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Risk Assessment Support to the Development of Technical Standards for Emissions from Combustion Units Burning Hazardous Wastes

Human Health and Ecological Risk Results

Volume 1: Sections I, II, IV, V, VI, and VIII

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Introduction

Summary

This document contains risk analysis results for use in assessing the human health and ecological risks and evaluating the benefits associated with alternative maximum achievable control technology (MACT) options evaluated by the U.S. Environmental Protection Agency (EPA) in the final rule for hazardous waste combustor (HWC) facilities. The risk results presented reflect the methodology developed for the final rule, which is documented in *Human Health and Ecological Risk Assessment Support to the Development of Technical Standards for Emissions from Combustion Units Burning Hazardous Wastes: Background Document, July 1999*. Both ecological and human health risks have been evaluated for the three source categories covered by the final rule, i.e., cement kilns, incinerators, and lightweight aggregate kilns that burn hazardous wastes). Incinerators were further subdivided into commercial incinerators, large onsite incinerators, and small onsite incinerators for purposes of the risk assessment. In addition, risk results are presented for several other categories of interest including incinerators equipped with waste heat recovery boilers[1] and area source cement kilns and incinerators.[2]

Addendum

A subset of the risk results was generated toward the end of the analysis to update dioxin/furan emissions data for one lightweight aggregate kiln (LWAK) facility. Because this Risk Results document was already in production when these new results were generated, it was not possible to update all of the risk results tables for the LWAK combustor category and incorporate them into the set of risk results found in Sections I through X of this document. Instead, a subset of the risk results tables considered most important for decision making was updated. These updated tables replace portions of tables with the same number that appear in Sections I through X. The revised risk results for LWAKs are presented in the Addendum that immediately follows this Introduction. It is important to note that only dioxin/furan results for

[1] The waste heat recovery boiler combustor category is included specifically to provide additional information on risks resulting from dioxin emissions because incinerators with waste heat recovery boilers have conditions that can enhance the formation of dioxins. Waste heat recovery boilers are separated as a distinct combustor category when a category of risk results includes risk estimates for dioxin.

[2] Area sources are any sources that are not major sources as defined under the Clean Air Act. Major sources are any source that emits 10 tons or more per year of any one HAP (hazardous air pollutant) or 25 tons or more of all HAPs combined.

only the LWAK category were affected. The risk results for the other combustor categories evaluated for the final rule are not affected.

The remainder of this introduction describes characteristics of the HWC risk analysis that are critical to understanding these risk results.

Evaluation of MACT Options

The risk analysis results included in this document provide information required to assess the human health and ecological risks and evaluate the benefits associated with the three MACT options that were considered for the final rule. These options consist of the MACT floor, the MACT standard, and the MACT beyond-the-floor (MACT BTF) option. All categories of risk analysis results were evaluated for each of the three MACT options, as well as the regulatory baseline, in order to provide a comprehensive set of risk information for use in decision making.

The regulatory scenarios evaluated include:

- Baseline. This regulatory scenario represents emissions under current RCRA controls and covers the scenario in which no MACT standards are promulgated. That is, it is the level of control that would be expected under existing RCRA regulation in the absence of MACT standards.

- MACT—Standard. This regulatory scenario represents emissions that are projected to occur under the final rule, as promulgated. It reflects a combination of "floor" and "beyond the floor" emissions controls.

- MACT—Floor. This regulatory scenario represents emissions that would be projected to occur under the minimum level of control that is permitted under Section 112(d) of the CAA.

- MACT—Beyond-the-Floor (ACI). This regulatory scenario represents emissions that would be projected to occur with more stringent controls for dioxins and mercury. It corresponds to a level of control that could be achieved using activated carbon injection (ACI).

Table 1 gives the emission standard levels that were used to project emissions for the floor, standard, and beyond-the-floor (ACI) MACT options described above. In a few instances, the MACT options for the final rule differ from the MACT options that were analyzed in the risk analysis. Therefore, Table 1 lists the level of the standard for each of the options for both the final rule and the risk analysis. For dioxins and low-volatility metals, there are no differences between the final rule and the risk analysis for any option, including the final MACT standards. For mercury, there are differences for the beyond-the-floor (ACI) option but not the floor or the final standards. For the remaining emission standards, there are also differences for the final MACT standards depending on the particular emission standard (semivolatile metals, total chlorine, or particulate matter) and source category to which the standard applies (cement kiln, incinerator, or lightweight aggregate kiln).

Table 1. Comparison of MACT Option Levels for Final Rule to Option Levels for Risk Analysis [a]

MACT Option	System Type	Dioxin TEQ [b] ng/dscm	Mercury µ\g/dscm		Semi-Volatile Metals [c] µg/dscm		Low-Volatility Metals [d] µg/dscm	Total Chlorine [e] ppmv		Particulate Matter gr/dscf [f]	
		Final Rule / Risk Analysis	Final Rule	Risk Analysis	Final Rule	Risk Analysis	Final Rule/Risk Analysis	Final Rule	Risk Analysis	Final Rule	Risk Analysis
Floor	**CK**	0.20 or 0.40 & 400 °F	120	120	650	650	56	130	130	**0.3** [g]	**0.030**
	INC	WHB: 12 & 400 °F Others: 0.20 or 0.40 & 400 °F	130	130	240	240	97	**77**	**80**	0.015	0.015
	LWAK	0.20 or 4.1 & 400 °F	47	47	1,700	1,700	110	1,500	1,500	0.025	0.025
Standard	**CK**	0.20 or 0.40 & 400 °F	120	120	240	240	56	130	130	**0.3** [g]	**0.03**
	INC	0.20 or 0.40 & 400 °F	130	130	240	240	97	**77**	**80**	0.015	0.015
	LWAK	0.20 or 0.40 & 400 °F	47	47	**250**	**240**	110	**230**	**150**	0.025	0.025
Beyond the Floor (ACI)	**CK**	0.20	25	25	240	240	56	130	130	**0.3** [g]	**0.03**
	INC	0.20	**20**	**10**	240	240	97	**77**	**80**	0.015	0.015
	LWAK	0.20	10	10	**250**	240	110	**230**	**150**	0.025	0.025

[a] Differences between Final Rule and Risk Analysis options levels appear in bold. All concentrations are corrected to 7% O_2.
[b] 2,3,7,8-TCDD Toxicity Equivalence.
[c] Cadmium and lead.
[d] Arsenic, beryllium, chromium.
[e] Hydrogen chloride and chlorine gas.
[f] CK options for final rule in kg PM / Mg dry raw feed.
[g] A level of 0.3 lb PM/ton dry raw feed equates to a stack gas equivalent concentration of approximately 0.03 gr/dscf..

Selection of Modeled Facilities

The HWC risk analysis is based on an analysis of actual HWC facilities. Modeling was conducted for a subset of facilities selected from the universe of HWC facilities. The modeling was conducted using facility-specific parameter values and site-based characterization of the environmental setting. Risks have been characterized for 76 selected facilities: 11 facilities evaluated for the proposed rule and an additional 65 facilities selected subsequent to the proposed rule. Risks generated for these modeled facilities were extrapolated to the universe of HWC facilities. A stratified random sampling strategy was initiated as part of the final rule to select the 65 modeled facilities. This approach allows clear statistical statements to be made concerning the representativeness of the modeled facilities. The sample sizes chosen for the stratified random sampling approach reflect the goal of having a 90 percent probability of selecting at least one "modeled" facility from the top 10 percent of facilities with regard to risk (i.e., 90 percent probability of having selected a "high-risk" facility for modeling). The 11 modeled facilities selected as part of the proposed rule were not chosen randomly; instead, they were selected purposively. Therefore, the 11 modeled facilities are handled differently from the 65 randomly selected facilities from a statistical standpoint in extrapolating risks from them to reflect the universe of facilities. Table 2 presents the sampling frame size, the sample size, and the associated coverage probabilities for each of the combustor categories considered in the HWC risk analysis.

Sampling Error

Except for the LWAK and the area source cement kiln (CK) combustor categories, no facilities were modeled for the combustor categories; therefore risk results are impacted by sampling error. To evaluate the impact of the sampling error, 90 percent confidence intervals reflecting sampling error were generated for the majority of the risk categories. These confidence intervals were calculated using SUDAAN (Survey Data Analysis), a statistical package developed by RTI for the analysis of clustered data sets.[3] Sampling weights, reflecting the probability of selection from a specific sampling frame (i.e., a combustor category), were used to extrapolate model site risks to represent the universe of HWC facilities. For several categories of risk results, it was not possible to generate confidence intervals reflecting sampling error because the sample size was too small or there was an insufficient spread in modeled risk results.[4]

Study Area Definition

A 16-sector polar grid composed of four concentric rings (at 2, 5, 10, and 20 km) transected by a north-south and east-west axis was used to define the study area surrounding each

[3] The risk results generated for the HWC risk analysis represent a clustered data set in that sector-specific risk results are linked to specific facilities possessing sampling weights.

[4] An example is the recreational fisher for methylmercury hazard quotients, which is dominated by the fish ingestion pathway. The sample size for this risk category (i.e., the number of risk values per combustor category) is low because a single fish ingestion risk value is generated for each facility rather than one risk value for each of 16 sectors per facility, as is the case with most risk categories.

Table 2. Key Statistics for Stratified Random Sampling of Model Sites

Combustor Category (sampling strata)	Sampling Frame (population size)	Sample Size	Coverage Probability (%)[a]
CK	18	15	98
LWAK	5	5	100
CINC with WHB	20	13	97
CINC without WHB	12	9	95
OINC-L with WHB	43	18	94
OINC-L without WHB	36	15	90
OINC-S with WHB	79	25	96
OINC-S without WHB	65	16	88
WHB	29	16	92

CINC = Commercial incinerator.
CK = Cement kiln.
LWAK = Lightweight aggregate kiln.
OINC-L = Onsite incinerator—large.
OINC-S = Onsite incinerator—small.
WHB = Waste heat boiler.

[a] Percent probability that at least one high-risk facility was selected for modeling.

modeled facility. The use of the 16-sector polar grid provides detailed spatial resolution in the modeling of both ecological and human health risks. Modeled air dispersion results, digitized waterbody/watershed data, and census data, including both U.S. Census block-group level and county-level U.S. Agricultural census data, were integrated using a geographic information system (GIS) platform. GIS-based spatial algorithms were used to provide sector-specific estimates of air concentrations for constituents and population totals for the receptor populations being evaluated. These data were combined to provide sector-level individual and population risk estimates for human receptor populations as well as sector-level screening results for the ecological component of the HWC risk analysis.

Exposure Parameter Variability

The majority of human health risks presented in this document are based on central tendency exposure parameters. Mean exposure parameters were used in generating risk estimates for all receptor populations including both enumerated receptors (i.e., the nonsubsistence receptor populations, for which population totals could be estimated using census data) and deterministic receptors (i.e., the subsistence receptors, for which population total could not be generated). The impact of exposure parameter variability on risk was evaluated for a subset of receptor population/constituent combinations identified as risk drivers for the HWC risk analysis using Monte Carlo simulation. The variability analysis also included a discrete approximation that allowed the estimation of confidence intervals reflecting sampling error that could not be estimated when using Monte Carlo simulation. These receptor population/constituent combinations include dioxin cancer risk for the beef and dairy farmer resulting from the ingestion of home-produced beef and milk, respectively, and methyl mercury noncancer risk for the recreational fisher from ingestion of recreationally caught freshwater fish.

Recreational Fisher

The recreational fisher receptor population is the only nonsubsistence receptor for which population-weighted individual and quantitative population risk estimates are not generated. These risk results categories could not be generated because sector-level population estimates were not completed for the recreational fisher. It is possible to generate such estimates using a combination of National Fish and Game Wildlife survey data and state-level creel survey data; however, such a complex and resource-intensive task could not be completed within the time-frame of this analysis. Therefore, an assumption of uniform population distribution across sectors was assumed in generating individual risk estimates.[5] With regard to population risk, semiquantitative statements concerning the number of recreational fishers associated with "at-risk" facilities were generated in place of the quantitative population risk estimates derived for the other nonsubsistence receptor populations. These semiquantitative statements, which are combustor-category-specific, identify the number of recreational fishers potentially exposed through recreational fishing activity to methylmercury risk levels of potential concern. At-risk facilities are identified as those facilities with 95th percentile individual risk estimates for methylmercury (reflecting exposure parameter variability) at or above a hazard quotient (HQ) of 1.0. The recreational fisher population estimates are made at the study-area level using National Fish and Game Wildlife Survey data (not at the sector level, as is the case with the other nonsubsistence receptor populations). It is important to recognize the limitations of these semiquantitative estimates. They do not identify the number of recreational fishers with a specified HQ (or the number above a specified health-based level [HBL]); rather these semiquantitative estimates represent the number of recreational fishers whose fishing activity could include some activity at waterbodies identified as potentially representing a methylmercury hazard. Because of the unique nature of this population (i.e., it is the only nonsubsistence receptor for which sector-level population totals were not generated), all of the risk results for the recreational fisher are presented in a separate section (see Section V).

[5] For the recreational fisher, a single risk value was generated for each sector associated with the set of modeled facilities, so true population-weighted individual risk estimates were not generated.

Ecological Risk Characterization

The ecological risk results included in this document present the comparison of modeled exposure concentrations to ecotoxicological criteria (i.e., soil, surface water, and sediment concentrations) that were developed as protective screening values for ecological risks. The comparison has a binary outcome: either the constituent concentration is above the screening criterion (HQ>1) or the concentration is below the criterion (HQ<1). Since the ecotoxicological criteria are based on *de minimis* ecological effects, it is presumed that a hazard quotient below 1 indicates a low potential for adverse ecological effects for those receptors included in the analysis for which data are available. The HQ results may not provide insight on the potential for adverse ecological effects on sensitive species and habitats (e.g., endangered species), nor can they be used to explicate the likelihood of effects on receptors not included in the analysis (e.g., amphibians, reptiles). This methodology, as applied to the ecological risk assessment of HWC releases, represents a screening level assessment that is designed to identify the **potential** for adverse ecological effects.

Receptor Populations/Exposure Pathways Evaluated

Each of the receptor populations evaluated in this HWC risk analysis is briefly described below, along with a list of the exposure pathways evaluated for each receptor.[6]

Subsistence Receptor Populations

- *Subsistence farmer*: those individuals who obtain the majority of their dietary intake of all commodities from home production. The following exposure pathways pertain to this receptor: ingestion of home-produced beef, pork, chicken, eggs, milk, root vegetables, exposed fruit, exposed vegetables, and farm-raised fish.

- *Subsistence fisher*: those individuals who obtain a significant portion of their dietary intake from self-caught fish. With regard to food commodities, this receptor is evaluated only for the ingestion of fish caught during subsistence fishing activity.

Nonsubsistence Receptor Populations

- *Beef farmers*: those individuals who are engaged in raising commercial beef cattle. This receptor population is assumed to obtain a significant portion of its beef from home-produced cattle.

[6] All receptors are evaluated for inhalation and soil ingestion. In addition, those receptor populations residing within study areas identified as having surface waterbodies that are sources of drinking water are also evaluated for risks associated with tap water ingestion.

- *Pork farmers*: those individuals who are engaged in raising commercial hogs. This receptor population is assumed to obtain a significant portion of its pork from home-produced hogs.

- *Dairy farmers:* those individuals who are engaged in raising commercial dairy cattle. This receptor population is assumed to obtain a significant portion of its milk from home-produced dairy cattle.

- *Produce farmers*: those individuals who are engaged in raising crops for the commercial market. This receptor population is assumed to obtain a significant portion of its fruits and vegetables from home-grown sources.

- *Home gardeners*: those residents engaged in home-gardening activities. This receptor population is assumed to obtain a significant portion of its fruits and vegetables from home production.

- *Recreational fishers*: those individuals who engage in recreational fishing activities. This receptor is assumed to obtain a portion of its dietary fish from recreational fishing activities.

- *Residents*: those individuals living within study areas who are not engaged in farming or home gardening and, therefore, do not consume significant amounts of home-produced food items. Residents are assumed to be exposed to constituents only through the incidental ingestion of soil, the ingestion of drinking water, and the inhalation of ambient air.

In addition to modeling adult exposure scenarios (i.e., ages >19 yr) for each of the receptor populations listed above, three younger age groups (i.e., 0-5, 6-11, and 12-19 yr) were also modeled.

Specific Categories of Risk Evaluated

Each of the major categories of risk included in this document is listed below.

Individual Risk

- Impact of exposure parameter variability on individual risk results for key risk-driving receptor population/constituent combinations, including beef and diary farmers for dioxin and recreational fishers for methylmercury.

- Ingestion risk for both carcinogenic and noncarcinogenic effects, including 90 percent confidence intervals reflecting sampling error.

- Inhalation risk for both carcinogenic and noncarcinogenic effects, including 90 percent confidence intervals reflecting sampling error.

- Background, incremental, and total (i.e., background plus incremental) blood lead levels for children 0 to 5 years of age reflecting interindividual and intersector variability.

Population Risk

- Annual statistical cancer incidence for the general population resulting from the consumption of locally produced beef, pork, and dairy products, including 90 percent confidence intervals reflecting sampling error.

- Estimated annual avoided incidence for specific health effects attributable to emissions of $PM_{2.5}$ and PM_{10}.

- Annual statistical cancer incidence (direct and indirect), including 90 percent confidence intervals reflecting sampling error for nonsubsistence receptor populations within study areas (excluding recreational fishers).

- Lifetime and annualized projection of the number of children (0 to 5 years of age) with blood lead levels greater than 10 µg/dL (for background, incremental, and total).

- Number of recreational fishers associated with rural sites having modeled waterbody methylmercury hazard quotients of potential concern.

Ecological Effects

- Characterization of surface area exceedances of ecological benchmarks for soil, surface water, and sediment.

Risk Results Sections

The Risk Results sections included in this document are described briefly below. For a more detailed description of the contents of each section (including detailed technical notes), see the introductory text at the beginning of each section.

- Addendum: Updated risk results tables for the LWAK combustor category. Includes a discussion of the content of the supplemental risk results tables and the tables they supercede.

- Section I: Exposure parameter variability analysis results for key risk-driving receptor population/constituent combinations, including beef and dairy farmers for dioxin (also includes 90 percent confidence intervals reflecting sampling error for these two receptor population/constituent combinations).

- Section II: Population risk results for all nonsubsistence receptor populations, excluding semiquantitative population risk statements for the recreational fisher (see Section V).

- Section III: This subset of risk results was not produced for the final rule, and no Section III tables have been prepared for this risk result document.

- Section IV: Individual variability results for blood lead (population results for blood lead are contained in Section II, and individual blood lead results for the recreational fisher are presented in Section V).

- Section V: Individual and semiquantitative population risk statements for the recreational fisher. This section also includes exposure parameter variability analysis results for the recreational fisher (for methylmercury) and individual blood lead level variability results for the recreational fisher.

- Section VI: Detailed individual risk results for the subsistence farmer and subsistence fisher.

- Section VII: Detailed individual risk results for the nonsubsistence receptor populations, excluding the recreational fisher (detailed recreational fisher results are presented in Section V).

- Section VIII: Ecological risk screening results including characterization of exceedances for soil, surface water, and sediment.

- Section IX: Pathway results for the subsistence farmer and subsistence fisher.

Addendum: Update of Selected Risk Results Tables for the LWAK Combustor Category

A subset of the risk results was generated toward the end of the analysis to update dioxin/furan emissions data for one LWAK facility. Because this Risk Results document was already in production when these new results were generated, it was not possible to update all of the risk results tables for the LWAK combustor category and incorporate them into the set of risk results found in Sections I through X of this document. Instead, a subset of the risk results considered most important for decision making was updated. These updated portions of the tables replace parts of the tables with the same number that appear in Sections I through X. The new risk results are presented in the tables that are part of this Addendum. It is important to note that only dioxin/furan results for only the LWAK category were affected. The risk results for the other combustor categories evaluated for the final rule were not affected.

Risk tables containing dioxin-TEQ risk estimates for MACT Standard and MACT BTF options for the LWAK combustor category have been superceded by the risk results presented in this Addendum. These tables include:

- Table I-A3: Lifetime excess cancer risk from incremental exposures to dioxins/furans for the commercial beef and dairy farmer, reflecting exposure parameter variability. This table presents results specifically for the LWAK combustor category.

- Table II-A1: Annual statistical cancer incidence for the general population resulting from ingestion of dioxin-TEQ contained in locally produced beef, pork, and dairy. This table presents results for all combustor categories including LWAKs. Only the values for the LWAK category and "total" have been updated.

- Table II-D3: Annual cancer incidence (ingestion and inhalation) for receptor populations located within study areas associated with LWAK facilities. This table presents results for dioxin-TEQ in addition to other modeled carcinogens.

- Tables VI-B81 and B145: Individual cancer and noncancer risk results for the 0- to 5-year-old subsistence farmer child receptor population for the LWAK combustor category. Table B81 presents MACT BTF results and Table B145 presents MACT Standard results.

- Tables VI-B82 and B146: Individual cancer and non-cancer risk results for the 0- to 5-year-old subsistence fisher child receptor population for the LWAK combustor category. Table B82 presents MACT BTF results and Table B146 presents MACT Standard results.

- Tables VII-C244 and C436: Individual cancer and non-cancer risk results for the 0- to 5-year-old commercial dairy farmer child receptor population for the LWAK combustor category. Table C244 presents MACT BTF results and Table C436 presents MACT Standard results. Although Table I-A3 does provide updated cancer risk estimates for the 0- to 5-year-old commercial dairy farmer child (which also reflect exposure parameter variability), it does not provide updated incremental margin or exposure (MOE) estimates for dioxin-TEQ. Updated results for this risk category is provided by Tables VII-C244 and C436.

- Tables VII-C259 and C451: Individual cancer and noncancer risk results for the adult resident receptor population for the LWAK combustor category. Table C259 presents MACT BTF results and Table C451 presents MACT Standard results. These tables provide updated inhalation cancer risk results for the adult resident.

Together, these risk results tables provide all of the risk information required to update Section II of the Background Document where risk results for the HWC risk analysis are summarized All risk results summary tables in Section II of the Background Document completed for the Final Rule have been updated to reflect these new LWAK risk results data.

While all risk results tables considered critical for decision making have been updated to reflect the corrected emissions data for the single LWAK facility, there are a significant number of risk results tables in the Human Health and Ecological Risk Results Document completed for the Final Rule that have not been updated. Specifically, all tables (excluding those listed above) that include dioxin-TEQ risk results for MACT Standard and MACT BTF for the LWAK combustor category are affected. This includes risk results tables in Sections I, II, V, VI, and VII of the Human Health and Ecological Risk Results Document.

This Table Replaces Table I-A3. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Lightweight Aggregate Kilns

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
Commercial Beef Farmer								
	0-5	3E-08	1E-07	4E-07	7E-07	1E-06	3E-06	<1
	6-11	5E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
	12-19	3E-08	1E-07	3E-07	5E-07	8E-07	1E-06	<1
	20 +	4E-08	1E-07	4E-07	8E-07	1E-06	2E-06	<1
Commercial Dairy Farmer								
	0-5	5E-07	2E-06	5E-06	8E-06	1E-05	3E-05	4
	6-11	4E-07	1E-06	3E-06	6E-06	9E-06	2E-05	3
	12-19	2E-07	6E-07	2E-06	3E-06	5E-06	1E-05	<1
	20 +	1E-07	3E-07	9E-07	2E-06	2E-06	5E-06	<1
MACT_Floor								
Commercial Beef Farmer								
	0-5	3E-08	1E-07	4E-07	7E-07	1E-06	3E-06	<1
	6-11	5E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
	12-19	3E-08	1E-07	3E-07	5E-07	8E-07	1E-06	0
	20 +	4E-08	1E-07	4E-07	7E-07	1E-06	2E-06	<1
Commercial Dairy Farmer								
	0-5	5E-07	1E-06	4E-06	8E-06	1E-05	2E-05	4
	6-11	4E-07	1E-06	3E-06	6E-06	1E-05	2E-05	3
	12-19	2E-07	6E-07	2E-06	3E-06	5E-06	1E-05	<1
	20 +	1E-07	3E-07	9E-07	2E-06	3E-06	6E-06	<1
MACT_BTF								
Commercial Beef Farmer								
	0-5	3E-09	1E-08	3E-08	5E-08	8E-08	2E-07	0
	6-11	4E-09	2E-08	5E-08	9E-08	1E-07	4E-07	0
	12-19	3E-09	1E-08	2E-08	4E-08	6E-08	1E-07	0
	20 +	4E-09	1E-08	3E-08	6E-08	1E-07	2E-07	0
Commercial Dairy Farmer								
	0-5	4E-08	1E-07	4E-07	7E-07	1E-06	2E-06	<1
	6-11	4E-08	1E-07	3E-07	6E-07	1E-06	2E-06	<1
	12-19	2E-08	5E-08	2E-07	3E-07	5E-07	9E-07	<1
	20 +	1E-08	3E-08	8E-08	2E-07	2E-07	4E-07	0
MACT_std								
Commercial Beef Farmer								
	0-5	5E-09	2E-08	6E-08	1E-07	2E-07	4E-07	<1
	6-11	9E-09	3E-08	1E-07	2E-07	3E-07	7E-07	0
	12-19	6E-09	2E-08	4E-08	8E-08	1E-07	2E-07	0
	20 +	7E-09	2E-08	6E-08	1E-07	2E-07	4E-07	0
Commercial Dairy Farmer								
	0-5	8E-08	3E-07	7E-07	1E-06	2E-06	4E-06	<1
	6-11	8E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
	12-19	3E-08	1E-07	3E-07	5E-07	8E-07	2E-06	<1
	20 +	2E-08	5E-08	1E-07	3E-07	4E-07	9E-07	0

This Table Replaces Table II-A1. Annual Statistical Cancer Incidence for the General Population Resulting from Ingestion of 2, 3, 7, 8-TCDD-TEQ Contained in Locally Produced Beef, Pork, and Dairy with 90 Percent Confidence Intervals

Baseline Emissions								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	6E-03	(5E-03, 7E-03)	4E-03	(4E-03, 5E-03)	6E-02	(5E-02, 8E-02)	7E-02	(6E-02, 9E-02)
Lightweight Aggregate Kilns[a]	5E-03	n/a	2E-03	n/a	1E-01	n/a	1E-01	n/a
All Incinerators Excl. WHB	7E-03	(4E-03, 1E-02)	4E-03	(2E-03, 8E-03)	5E-02	(3E-02, 9E-02)	6E-02	(4E-02, 1E-01)
Waste Heat Boilers	2E-02	(1E-02, 3E-02)	6E-03	(3E-03, 1E-02)	2E-01	(1E-01, 3E-01)	2E-01	(1E-01, 4E-01)
Total	4E-02	(3E-02, 5E-02)	2E-02	(1E-02, 2E-02)	4E-01	(3E-01, 5E-01)	5E-01	(4E-01, 6E-01)
Area Source - Cement Kilns[b]	1E-03	(1E-03, 1E-03)	1E-03	(1E-03, 1E-03)	1E-02	(1E-02, 1E-02)	2E-02	(2E-02, 2E-02)
Area Source - Incinerators	1E-02	(6E-03, 2E-02)	6E-03	(3E-03, 1E-02)	1E-01	(5E-02, 2E-01)	1E-01	(6E-02, 3E-01)
CINC Excl. WHB	5E-03	(2E-03, 1E-02)	4E-03	(2E-03, 8E-03)	3E-02	(2E-02, 7E-02)	4E-02	(2E-02, 1E-01)
OINC-L Excl. WHB	1E-03	(7E-04, 2E-03)	3E-04	(2E-04, 5E-04)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(9E-04, 5E-03)	3E-03	(1E-03, 7E-03)
MACT Floor								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	5E-03	(4E-03, 5E-03)	3E-03	(3E-03, 4E-03)	5E-02	(4E-02, 6E-02)	6E-02	(5E-02, 7E-02)
Lightweight Aggregate Kilns[a]	5E-03	n/a	2E-03	n/a	1E-01	n/a	1E-01	n/a
All Incinerators Excl. WHB	3E-03	(2E-03, 4E-03)	1E-03	(9E-04, 2E-03)	2E-02	(2E-02, 4E-02)	3E-02	(2E-02, 4E-02)
Waste Heat Boilers	2E-02	(1E-02, 3E-02)	6E-03	(3E-03, 1E-02)	2E-01	(1E-01, 3E-01)	2E-01	(1E-01, 4E-01)
Total	3E-02	(2E-02, 4E-02)	1E-02	(9E-03, 2E-02)	4E-01	(3E-01, 5E-01)	4E-01	(3E-01, 5E-01)
Area Source - Cement Kilns[b]	1E-03	(1E-03, 1E-03)	1E-03	(1E-03, 1E-03)	1E-02	(1E-02, 1E-02)	2E-02	(2E-02, 2E-02)
Area Source - Incinerators	9E-03	(3E-03, 2E-02)	4E-03	(2E-03, 1E-02)	9E-02	(4E-02, 2E-01)	1E-01	(4E-02, 3E-01)
CINC Excl. WHB	1E-03	(6E-04, 2E-03)	7E-04	(4E-04, 1E-03)	8E-03	(4E-03, 1E-02)	1E-02	(5E-03, 2E-02)
OINC-L Excl. WHB	1E-03	(7E-04, 2E-03)	3E-04	(2E-04, 5E-04)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(9E-04, 5E-03)	3E-03	(1E-03, 7E-03)
MACT BTF								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	3E-03	(3E-03, 3E-03)	2E-03	(2E-03, 2E-03)	3E-02	(3E-02, 4E-02)	4E-02	(3E-02, 5E-02)
Lightweight Aggregate Kilns[a]	4E-04	n/a	1E-04	n/a	7E-03	n/a	7E-03	n/a
All Incinerators Excl. WHB	2E-03	(1E-03, 2E-03)	9E-04	(6E-04, 1E-03)	2E-02	(1E-02, 2E-02)	2E-02	(1E-02, 3E-02)
Waste Heat Boilers	9E-04	(5E-04, 1E-03)	3E-04	(1E-04, 5E-04)	8E-03	(5E-03, 1E-02)	9E-03	(6E-03, 2E-02)
Total	6E-03	(5E-03, 7E-03)	3E-03	(3E-03, 4E-03)	7E-02	(6E-02, 8E-02)	7E-02	(6E-02, 9E-02)
Area Source - Cement Kilns[b]	7E-04	(7E-04, 7E-04)	8E-04	(8E-04, 8E-04)	8E-03	(8E-03, 8E-03)	9E-03	(9E-03, 9E-03)
Area Source - Incinerators	8E-04	(5E-04, 1E-03)	4E-04	(2E-04, 7E-04)	7E-03	(4E-03, 1E-02)	9E-03	(5E-03, 2E-02)
CINC Excl. WHB	5E-04	(3E-04, 9E-04)	3E-04	(2E-04, 5E-04)	4E-03	(3E-03, 6E-03)	5E-03	(3E-03, 8E-03)
OINC-L Excl. WHB	9E-04	(5E-04, 2E-03)	3E-04	(1E-04, 5E-04)	1E-02	(6E-03, 2E-02)	1E-02	(7E-03, 2E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(8E-04, 5E-03)	3E-03	(1E-03, 7E-03)
MACT Standard								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	5E-03	(4E-03, 5E-03)	3E-03	(3E-03, 4E-03)	5E-02	(4E-02, 6E-02)	6E-02	(5E-02, 7E-02)
Lightweight Aggregate Kilns[a]	7E-04	n/a	2E-04	n/a	1E-02	n/a	1E-02	n/a
All Incinerators Excl. WHB	3E-03	(2E-03, 4E-03)	1E-03	(9E-04, 2E-03)	2E-02	(2E-02, 4E-02)	3E-02	(2E-02, 4E-02)
Waste Heat Boilers	2E-03	(1E-03, 3E-03)	5E-04	(3E-04, 1E-03)	2E-02	(9E-03, 3E-02)	2E-02	(1E-02, 3E-02)
Total	1E-02	(8E-03, 1E-02)	5E-03	(5E-03, 6E-03)	1E-01	(9E-02, 1E-01)	1E-01	(1E-01, 1E-01)
Area Source - Cement Kilns[b]	1E-03	(1E-03, 1E-03)	1E-03	(1E-03, 1E-03)	1E-02	(1E-02, 1E-02)	2E-02	(2E-02, 2E-02)
Area Source - Incinerators	2E-03	(9E-04, 3E-03)	9E-04	(4E-04, 2E-03)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
CINC Excl. WHB	1E-03	(6E-04, 2E-03)	7E-04	(4E-04, 1E-03)	8E-03	(4E-03, 1E-02)	1E-02	(5E-03, 2E-02)
OINC-L Excl. WHB	1E-03	(7E-04, 2E-03)	3E-04	(2E-04, 5E-04)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(9E-04, 5E-03)	3E-03	(1E-03, 7E-03)

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

This Table Replaces Table II-D3. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups: Lightweight Aggregate Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): All Age Groups						Total Across All Age Groups and Constituents
	Ingestion and Inhalation		Inhalation				
	TCDD	Arsenic	Beryllium	Cadmium	Chromium (VI)	Nickel	
Baseline Emissions							
Resident	3E-04	8E-05	2E-06	5E-05	5E-05	7E-05	**6E-04**
Home Gardener	3E-04	5E-05	1E-06	3E-05	3E-05	4E-05	**5E-04**
Beef Farmer	3E-05	2E-07	1E-08	2E-07	2E-07	3E-08	**3E-05**
Dairy Farmer	2E-05	3E-08	9E-10	2E-08	1E-08	2E-08	**2E-05**
Produce Farmer	7E-08	1E-08	3E-10	7E-09	1E-09	1E-08	**1E-07**
Pork Farmer	6E-07	4E-08	2E-09	4E-08	3E-08	7E-09	**7E-07**
Total	**7E-04**	**1E-04**	**4E-06**	**9E-05**	**8E-05**	**1E-04**	**1E-03**
MACT Floor Emissions							
Resident	3E-04	7E-05	2E-06	5E-05	5E-05	6E-05	**6E-04**
Home Gardener	3E-04	4E-05	1E-06	3E-05	3E-05	4E-05	**5E-04**
Beef Farmer	3E-05	2E-07	8E-09	2E-07	2E-07	3E-08	**3E-05**
Dairy Farmer	2E-05	3E-08	7E-10	2E-08	1E-08	2E-08	**2E-05**
Produce Farmer	7E-08	8E-09	2E-10	7E-09	8E-10	1E-08	**9E-08**
Pork Farmer	6E-07	3E-08	1E-09	4E-08	2E-08	6E-09	**7E-07**
Total	**7E-04**	**1E-04**	**3E-06**	**9E-05**	**8E-05**	**1E-04**	**1E-03**
MACT BTF Emissions							
Resident	3E-05	7E-05	2E-06	4E-05	5E-05	6E-05	**2E-04**
Home Gardener	3E-05	4E-05	1E-06	2E-05	3E-05	4E-05	**2E-04**
Beef Farmer	2E-06	2E-07	8E-09	1E-07	2E-07	3E-08	**3E-06**
Dairy Farmer	2E-06	3E-08	7E-10	1E-08	1E-08	2E-08	**2E-06**
Produce Farmer	7E-09	8E-09	2E-10	4E-09	8E-10	1E-08	**3E-08**
Pork Farmer	5E-08	3E-08	1E-09	2E-08	2E-08	6E-09	**1E-07**
Total	**6E-05**	**1E-04**	**3E-06**	**6E-05**	**8E-05**	**1E-04**	**4E-04**
MACT Standard Emissions							
Resident	6E-05	7E-05	2E-06	4E-05	5E-05	6E-05	**3E-04**
Home Gardener	5E-05	4E-05	1E-06	2E-05	3E-05	4E-05	**2E-04**
Beef Farmer	5E-06	2E-07	8E-09	1E-07	2E-07	3E-08	**5E-06**
Dairy Farmer	3E-06	3E-08	7E-10	1E-08	1E-08	2E-08	**3E-06**
Produce Farmer	1E-08	8E-09	2E-10	4E-09	8E-10	1E-08	**4E-08**
Pork Farmer	1E-07	3E-08	1E-09	2E-08	2E-08	6E-09	**2E-07**
Total	**1E-04**	**1E-04**	**3E-06**	**6E-05**	**8E-05**	**1E-04**	**5E-04**

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

This Table Replaces Table VI-B81. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	5E-07	2E-06	3E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	5E-07	2E-06	3E-06	*
Cancer - Inhalation				
TCDD-TEQ	3E-10	9E-10	1E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	6E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	8E-09	*
Additive Risk	4E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	2E-05	3E-04	9E-04	*
ARSENIC	2E-05	2E-04	3E-04	*
BARIUM	1E-06	2E-05	4E-05	*
BERYLLIUM	4E-07	4E-06	*	*
CADMIUM	1E-04	1E-03	2E-03	*
CHROMIUM (III)	3E-07	3E-06	5E-06	*
CHROMIUM (VI)	1E-06	2E-05	4E-05	*
COBALT	1E-06	1E-05	*	*
MANGANESE	2E-07	2E-06	3E-06	*
MERCURY (DIVALENT)	3E-04	1E-03	2E-03	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	4E-06	7E-05	3E-04	*
SELENIUM	6E-05	7E-04	9E-04	*
SILVER	2E-05	2E-04	3E-04	*
THALLIUM	2E-04	2E-03	*	*
Hazard Index	2E-02	6E-02	6E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-02	9E-02	1E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

This Table Replaces Table VI-B82. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	4E-08	3E-07	*	*
ARSENIC	5E-10	1E-09	2E-09	*
Additive Risk	4E-08	3E-07	4E-07	*
Cancer - Inhalation				
TCDD-TEQ	3E-10	1E-09	1E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	5E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	8E-09	*
Additive Risk	5E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	8E-05	9E-05	*
ARSENIC	1E-05	5E-05	6E-05	7E-05
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	5E-07	4E-06	8E-06	*
CADMIUM	3E-05	*	*	*
CHROMIUM (III)	3E-08	3E-07	4E-07	*
CHROMIUM (VI)	1E-07	9E-07	1E-06	1E-06
COBALT	1E-08	9E-08	1E-07	*
MANGANESE	4E-08	9E-08	1E-07	*
MERCURY (DIVALENT)	4E-05	2E-04	2E-04	*
MERCURY (METHYL)	4E-03	3E-02	*	*
NICKEL	4E-07	5E-06	6E-06	*
SELENIUM	8E-06	*	*	*
SILVER	6E-08	*	*	*
THALLIUM	3E-05	2E-04	*	*
Hazard Index	5E-03	4E-02	5E-02	5E-02
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-03	*	*	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

This Table Replaces Table VI-B145. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	9E-07	4E-06	5E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	1E-06	4E-06	5E-06	*
Cancer - Inhalation				
TCDD-TEQ	5E-10	2E-09	3E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	6E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	8E-09	*
Additive Risk	5E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	2E-05	3E-04	9E-04	*
ARSENIC	2E-05	2E-04	3E-04	*
BARIUM	1E-06	2E-05	4E-05	*
BERYLLIUM	4E-07	4E-06	*	*
CADMIUM	1E-04	1E-03	2E-03	*
CHROMIUM (III)	3E-07	3E-06	5E-06	*
CHROMIUM (VI)	1E-06	2E-05	4E-05	*
COBALT	1E-06	1E-05	*	*
MANGANESE	2E-07	2E-06	3E-06	*
MERCURY (DIVALENT)	6E-04	5E-03	8E-03	*
MERCURY (METHYL)	2E-02	*	*	*
NICKEL	4E-06	7E-05	3E-04	*
SELENIUM	6E-05	7E-04	9E-04	*
SILVER	2E-05	2E-04	3E-04	*
THALLIUM	2E-04	2E-03	*	*
Hazard Index	3E-02	2E-01	2E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	4E-02	2E-01	2E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

This Table Replaces Table VI-B146. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	8E-08	5E-07	*	*
ARSENIC	5E-10	1E-09	2E-09	*
Additive Risk	9E-08	5E-07	7E-07	*
Cancer - Inhalation				
TCDD-TEQ	6E-10	2E-09	3E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	5E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	8E-09	*
Additive Risk	5E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	8E-05	9E-05	*
ARSENIC	1E-05	5E-05	6E-05	7E-05
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	5E-07	4E-06	8E-06	*
CADMIUM	3E-05	*	*	*
CHROMIUM (III)	3E-08	3E-07	4E-07	*
CHROMIUM (VI)	1E-07	9E-07	1E-06	1E-06
COBALT	1E-08	9E-08	1E-07	*
MANGANESE	4E-08	9E-08	1E-07	*
MERCURY (DIVALENT)	8E-05	6E-04	9E-04	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	4E-07	5E-06	6E-06	*
SELENIUM	8E-06	*	*	*
SILVER	6E-08	*	*	*
THALLIUM	3E-05	2E-04	*	*
Hazard Index	8E-03	2E-01	2E-01	2E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	8E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	4E-03	2E-02	*	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

This Table Replaces Table VII-C244. Individual Risks and Hazard Quotients Based on Population Weighted Sector Results for Child (0-5) of Dairy Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-08	1E-07	2E-07	4E-07	-
ARSENIC	2E-10	6E-10	7E-10	1E-09	-
Additive Risk	7E-08	1E-07	3E-07	4E-07	-
Cancer - Inhalation					
TCDD-TEQ	1E-10	3E-10	5E-10	6E-10	-
ARSENIC	3E-10	1E-09	1E-09	3E-09	-
BERYLLIUM	5E-12	5E-11	1E-10	2E-10	-
CADMIUM	2E-10	8E-10	2E-09	3E-09	-
CHROMIUM (VI)	1E-11	1E-09	2E-09	6E-09	-
NICKEL	6E-10	1E-09	1E-09	3E-09	-
Additive Risk	2E-09	5E-09	5E-09	1E-08	-
Non-Cancer - Ingestion					
ANTIMONY	9E-06	2E-05	5E-05	1E-04	-
ARSENIC	5E-06	1E-05	2E-05	2E-05	-
BARIUM	3E-08	8E-07	1E-06	5E-06	-
BERYLLIUM	2E-08	2E-07	3E-07	1E-06	-
CADMIUM	5E-06	1E-05	2E-05	2E-05	-
CHROMIUM (III)	5E-08	1E-07	3E-07	5E-07	-
CHROMIUM (VI)	1E-08	1E-06	2E-06	6E-06	-
COBALT	1E-07	3E-07	6E-07	1E-06	-
MANGANESE	4E-08	9E-08	1E-07	3E-07	-
MERCURY (DIVALENT)	9E-05	3E-04	3E-04	5E-04	-
MERCURY (METHYL)	3E-05	8E-05	9E-05	1E-04	-
NICKEL	6E-06	1E-05	1E-05	*	-
SELENIUM	2E-06	3E-06	9E-06	1E-05	-
SILVER	9E-07	5E-06	9E-06	4E-05	-
THALLIUM	8E-06	3E-05	4E-05	2E-04	-
Hazard Index	2E-04	5E-04	6E-04	9E-04	-
Non-Cancer - Inhalation					
BARIUM	6E-07	1E-05	3E-05	5E-05	-
CHLORINE (CL2)	2E-04	4E-04	6E-04	1E-03	-
HYDROGEN CHLORIDE (HCL)	4E-04	3E-03	5E-03	1E-02	-
MANGANESE	2E-05	4E-05	8E-05	1E-04	-
MERCURY (ELEMENTAL)	2E-06	6E-06	8E-06	9E-06	-
Hazard Index	8E-04	4E-03	5E-03	1E-02	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-03	7E-03	1E-02	2E-02	-

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

This Table Replaces Table VII-C259. Individual Risks and Hazard Quotients Based on Population Weighted Sector Results for Adult Resident (20+): Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-11	1E-10	4E-10	8E-10	-
ARSENIC	2E-10	6E-10	6E-10	6E-10	-
Additive Risk	3E-10	7E-10	7E-10	1E-09	-
Cancer - Inhalation					
TCDD-TEQ	1E-10	5E-10	1E-09	1E-09	-
ARSENIC	6E-10	2E-09	2E-09	4E-09	-
BERYLLIUM	2E-11	7E-11	9E-11	2E-10	-
CADMIUM	4E-10	2E-09	2E-09	3E-09	-
CHROMIUM (VI)	8E-11	2E-09	2E-09	5E-09	-
NICKEL	4E-10	3E-09	5E-09	7E-09	-
Additive Risk	2E-09	7E-09	1E-08	1E-08	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	5E-06	6E-06	1E-05	-
ARSENIC	2E-06	7E-06	7E-06	7E-06	-
BARIUM	5E-09	6E-08	6E-08	1E-07	-
BERYLLIUM	9E-09	4E-08	5E-08	9E-08	-
CADMIUM	2E-06	7E-06	7E-06	8E-06	-
CHROMIUM (III)	5E-10	5E-09	1E-08	3E-08	-
CHROMIUM (VI)	2E-09	*	*	*	-
COBALT	2E-08	3E-08	3E-08	*	-
MANGANESE	1E-08	2E-08	2E-08	3E-08	-
MERCURY (DIVALENT)	3E-06	7E-06	9E-06	2E-05	-
MERCURY (METHYL)	1E-07	4E-07	8E-07	1E-06	-
NICKEL	*	*	*	*	-
SELENIUM	*	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	1E-06	4E-06	4E-06	6E-06	-
Hazard Index	2E-05	3E-05	3E-05	4E-05	-
Non-Cancer - Inhalation					
BARIUM	3E-06	2E-05	3E-05	6E-05	-
CHLORINE (CL2)	2E-04	1E-03	3E-03	3E-03	-
HYDROGEN CHLORIDE (HCL)	1E-03	3E-03	4E-03	8E-03	-
MANGANESE	3E-05	1E-04	2E-04	3E-04	-
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	2E-05	-
Hazard Index	1E-03	5E-03	6E-03	1E-02	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	9E-07	4E-06	9E-06	2E-05	-
TCDD-TEQ	1E-06	5E-06	1E-05	2E-05	-

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

This Table Replaces Table VII-C436. Individual Risks and Hazard Quotients Based on Population Weighted Sector Results for Child (0-5) of Dairy Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-07	2E-07	5E-07	7E-07	-
ARSENIC	2E-10	6E-10	7E-10	1E-09	-
Additive Risk	1E-07	2E-07	5E-07	7E-07	-
Cancer - Inhalation					
TCDD-TEQ	2E-10	5E-10	9E-10	1E-09	-
ARSENIC	3E-10	1E-09	1E-09	3E-09	-
BERYLLIUM	5E-12	5E-11	1E-10	2E-10	-
CADMIUM	2E-10	8E-10	2E-09	3E-09	-
CHROMIUM (VI)	1E-11	1E-09	2E-09	6E-09	-
NICKEL	6E-10	1E-09	1E-09	3E-09	-
Additive Risk	2E-09	5E-09	5E-09	1E-08	-
Non-Cancer - Ingestion					
ANTIMONY	9E-06	2E-05	5E-05	1E-04	-
ARSENIC	5E-06	1E-05	2E-05	2E-05	-
BARIUM	3E-08	8E-07	1E-06	5E-06	-
BERYLLIUM	2E-08	2E-07	3E-07	1E-06	-
CADMIUM	5E-06	1E-05	2E-05	2E-05	-
CHROMIUM (III)	5E-08	1E-07	3E-07	5E-07	-
CHROMIUM (VI)	1E-08	1E-06	2E-06	6E-06	-
COBALT	1E-07	3E-07	6E-07	1E-06	-
MANGANESE	4E-08	9E-08	1E-07	3E-07	-
MERCURY (DIVALENT)	4E-04	8E-04	1E-03	2E-03	-
MERCURY (METHYL)	1E-04	2E-04	5E-04	6E-04	-
NICKEL	6E-06	1E-05	1E-05	*	-
SELENIUM	2E-06	3E-06	9E-06	1E-05	-
SILVER	9E-07	5E-06	9E-06	4E-05	-
THALLIUM	8E-06	3E-05	4E-05	2E-04	-
Hazard Index	5E-04	1E-03	3E-03	3E-03	-
Non-Cancer - Inhalation					
BARIUM	6E-07	1E-05	3E-05	5E-05	-
CHLORINE (CL2)	2E-04	4E-04	6E-04	1E-03	-
HYDROGEN CHLORIDE (HCL)	4E-04	3E-03	5E-03	1E-02	-
MANGANESE	2E-05	4E-05	8E-05	1E-04	-
MERCURY (ELEMENTAL)	8E-06	2E-05	3E-05	4E-05	-
Hazard Index	8E-04	4E-03	5E-03	1E-02	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-03	1E-02	2E-02	3E-02	-

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

This Table Replaces Table VII-C451. Individual Risks and Hazard Quotients Based on Population Weighted Sector Results for Adult Resident (20+): Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-11	3E-10	9E-10	1E-09	-
ARSENIC	2E-10	6E-10	6E-10	6E-10	-
Additive Risk	4E-10	8E-10	1E-09	2E-09	-
Cancer - Inhalation					
TCDD-TEQ	2E-10	1E-09	2E-09	3E-09	-
ARSENIC	6E-10	2E-09	2E-09	4E-09	-
BERYLLIUM	2E-11	7E-11	9E-11	2E-10	-
CADMIUM	4E-10	2E-09	2E-09	3E-09	-
CHROMIUM (VI)	8E-11	2E-09	2E-09	5E-09	-
NICKEL	4E-10	3E-09	5E-09	7E-09	-
Additive Risk	2E-09	8E-09	1E-08	2E-08	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	5E-06	6E-06	1E-05	-
ARSENIC	2E-06	7E-06	7E-06	7E-06	-
BARIUM	5E-09	6E-08	6E-08	1E-07	-
BERYLLIUM	9E-09	4E-08	5E-08	9E-08	-
CADMIUM	2E-06	7E-06	7E-06	8E-06	-
CHROMIUM (III)	5E-10	5E-09	1E-08	3E-08	-
CHROMIUM (VI)	2E-09	*	*	*	-
COBALT	2E-08	3E-08	3E-08	*	-
MANGANESE	1E-08	2E-08	2E-08	3E-08	-
MERCURY (DIVALENT)	9E-06	3E-05	6E-05	8E-05	-
MERCURY (METHYL)	5E-07	2E-06	3E-06	5E-06	-
NICKEL	*	*	*	*	-
SELENIUM	*	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	1E-06	4E-06	4E-06	6E-06	-
Hazard Index	3E-05	5E-05	7E-05	1E-04	-
Non-Cancer - Inhalation					
BARIUM	3E-06	2E-05	3E-05	6E-05	-
CHLORINE (CL2)	2E-04	1E-03	3E-03	3E-03	-
HYDROGEN CHLORIDE (HCL)	1E-03	3E-03	4E-03	8E-03	-
MANGANESE	3E-05	1E-04	2E-04	3E-04	-
MERCURY (ELEMENTAL)	1E-05	5E-05	1E-04	1E-04	-
Hazard Index	1E-03	5E-03	6E-03	1E-02	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-06	9E-06	1E-05	3E-05	-
TCDD-TEQ	2E-06	9E-06	2E-05	3E-05	-

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Section I. Variability Results and Confidence Intervals for Key Receptor Populations

This section contains (1) results from the exposure parameter variability analysis and (2) 90 percent confidence intervals reflecting sampling error for two risk-driving receptor populations including the commercial beef and dairy farmers (both for dioxin cancer risk). Tables I-A1 through I-A13 contain exposure variability analysis results; Tables I-B1 through I-B26 contain the 90 percent confidence intervals reflecting sampling error. Results are presented for Baseline and for the three MACT options considered in the HWC risk analysis. Exposure parameter variability analysis results for methylmercury for the recreational fisher receptor population are presented in Section V-A. Because dioxin is the focus of this section, results are presented for waste heat boilers as a separate combustor category.

Because modeled risk results for lightweight aggregate kilns are based modeling of all facilities, there is no sampling error and confidence intervals were not generated. In addition, there are only two area source cement kilns in the facility population and both were sampled and modeled. Accordingly, no sampling error exists and no confidence intervals were generated.

Table I-A1. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Cement Kilns

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	1E-08	5E-08	2E-07	4E-07	6E-07	1E-06	<1
	6-11	2E-08	7E-08	2E-07	5E-07	7E-07	2E-06	<1
	12-19	1E-08	5E-08	1E-07	3E-07	4E-07	8E-07	0
	20 +	2E-08	6E-08	2E-07	4E-07	5E-07	1E-06	<1
Commercial Dairy Farmer								
	0-5	1E-07	5E-07	2E-06	3E-06	4E-06	1E-05	2
	6-11	9E-08	4E-07	1E-06	2E-06	4E-06	8E-06	<1
	12-19	4E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
	20 +	3E-08	1E-07	3E-07	6E-07	1E-06	2E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	1E-08	4E-08	1E-07	3E-07	4E-07	1E-06	<1
	6-11	1E-08	6E-08	2E-07	4E-07	6E-07	1E-06	<1
	12-19	1E-08	3E-08	1E-07	2E-07	3E-07	6E-07	0
	20 +	1E-08	4E-08	1E-07	2E-07	4E-07	7E-07	<1
Commercial Dairy Farmer								
	0-5	1E-07	4E-07	1E-06	2E-06	3E-06	8E-06	<1
	6-11	7E-08	3E-07	8E-07	2E-06	2E-06	6E-06	<1
	12-19	3E-08	1E-07	4E-07	7E-07	1E-06	3E-06	<1
	20 +	2E-08	7E-08	2E-07	4E-07	6E-07	1E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	6E-09	2E-08	7E-08	1E-07	2E-07	4E-07	0
	6-11	9E-09	3E-08	1E-07	2E-07	3E-07	8E-07	<1
	12-19	7E-09	2E-08	6E-08	1E-07	1E-07	3E-07	0
	20 +	8E-09	3E-08	7E-08	1E-07	2E-07	5E-07	<1
Commercial Dairy Farmer								
	0-5	6E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
	6-11	4E-08	1E-07	4E-07	8E-07	1E-06	2E-06	<1
	12-19	2E-08	7E-08	2E-07	4E-07	6E-07	1E-06	<1
	20 +	1E-08	4E-08	1E-07	2E-07	3E-07	7E-07	0
MACT_std Commercial Beef Farmer								
	0-5	9E-09	4E-08	1E-07	3E-07	4E-07	9E-07	<1
	6-11	1E-08	5E-08	2E-07	4E-07	6E-07	1E-06	<1
	12-19	1E-08	3E-08	1E-07	2E-07	3E-07	5E-07	<1
	20 +	1E-08	5E-08	1E-07	3E-07	4E-07	8E-07	0
Commercial Dairy Farmer								
	0-5	1E-07	4E-07	1E-06	2E-06	3E-06	7E-06	<1
	6-11	7E-08	3E-07	9E-07	2E-06	2E-06	5E-06	<1
	12-19	3E-08	1E-07	4E-07	8E-07	1E-06	3E-06	<1
	20 +	2E-08	7E-08	2E-07	4E-07	6E-07	1E-06	<1

Table I-A2. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Area Source Cement Kilns

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	2E-08	7E-08	3E-07	5E-07	9E-07	2E-06	<1
	6-11	3E-08	1E-07	4E-07	8E-07	1E-06	3E-06	<1
	12-19	2E-08	7E-08	2E-07	4E-07	6E-07	1E-06	<1
	20 +	3E-08	1E-07	3E-07	6E-07	1E-06	2E-06	<1
Commercial Dairy Farmer								
	0-5	2E-07	9E-07	3E-06	5E-06	8E-06	2E-05	3
	6-11	2E-07	7E-07	2E-06	4E-06	7E-06	2E-05	2
	12-19	8E-08	3E-07	1E-06	2E-06	3E-06	7E-06	<1
	20 +	5E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	2E-08	7E-08	2E-07	5E-07	8E-07	2E-06	<1
	6-11	3E-08	1E-07	4E-07	8E-07	1E-06	3E-06	<1
	12-19	2E-08	7E-08	2E-07	4E-07	6E-07	1E-06	<1
	20 +	3E-08	1E-07	3E-07	7E-07	1E-06	2E-06	<1
Commercial Dairy Farmer								
	0-5	2E-07	9E-07	3E-06	5E-06	8E-06	2E-05	3
	6-11	2E-07	7E-07	2E-06	4E-06	6E-06	1E-05	2
	12-19	8E-08	3E-07	1E-06	2E-06	3E-06	8E-06	<1
	20 +	5E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	1E-08	5E-08	2E-07	3E-07	5E-07	1E-06	<1
	6-11	2E-08	8E-08	3E-07	5E-07	8E-07	2E-06	<1
	12-19	1E-08	5E-08	1E-07	2E-07	3E-07	7E-07	0
	20 +	2E-08	7E-08	2E-07	4E-07	6E-07	1E-06	<1
Commercial Dairy Farmer								
	0-5	1E-07	5E-07	2E-06	3E-06	5E-06	1E-05	2
	6-11	1E-07	4E-07	1E-06	3E-06	4E-06	9E-06	<1
	12-19	6E-08	2E-07	7E-07	1E-06	2E-06	5E-06	<1
	20 +	3E-08	1E-07	3E-07	7E-07	1E-06	3E-06	<1
MACT_std Commercial Beef Farmer								
	0-5	2E-08	7E-08	2E-07	5E-07	8E-07	2E-06	<1
	6-11	3E-08	1E-07	4E-07	9E-07	1E-06	3E-06	<1
	12-19	2E-08	7E-08	2E-07	4E-07	5E-07	1E-06	<1
	20 +	3E-08	1E-07	3E-07	6E-07	9E-07	2E-06	<1
Commercial Dairy Farmer								
	0-5	2E-07	8E-07	3E-06	5E-06	8E-06	2E-05	3
	6-11	2E-07	7E-07	2E-06	4E-06	7E-06	2E-05	2
	12-19	8E-08	3E-07	1E-06	2E-06	3E-06	7E-06	<1
	20 +	5E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1

Table I-A3. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Lightweight Aggregate Kilns

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	3E-08	1E-07	4E-07	8E-07	1E-06	3E-06	<1
	6-11	5E-08	2E-07	5E-07	1E-06	2E-06	4E-06	<1
	12-19	3E-08	1E-07	3E-07	5E-07	8E-07	2E-06	<1
	20 +	4E-08	1E-07	4E-07	8E-07	1E-06	3E-06	<1
Commercial Dairy Farmer								
	0-5	4E-07	1E-06	4E-06	8E-06	1E-05	2E-05	4
	6-11	4E-07	1E-06	4E-06	7E-06	1E-05	2E-05	4
	12-19	2E-07	6E-07	2E-06	3E-06	5E-06	1E-05	2
	20 +	1E-07	3E-07	1E-06	2E-06	3E-06	5E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	3E-08	1E-07	4E-07	7E-07	1E-06	3E-06	<1
	6-11	5E-08	2E-07	6E-07	1E-06	2E-06	5E-06	<1
	12-19	4E-08	1E-07	3E-07	6E-07	8E-07	2E-06	<1
	20 +	4E-08	1E-07	4E-07	7E-07	1E-06	2E-06	<1
Commercial Dairy Farmer								
	0-5	5E-07	1E-06	4E-06	8E-06	1E-05	3E-05	4
	6-11	4E-07	1E-06	4E-06	7E-06	1E-05	2E-05	3
	12-19	2E-07	6E-07	2E-06	3E-06	5E-06	1E-05	<1
	20 +	1E-07	3E-07	9E-07	2E-06	3E-06	6E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	7E-09	3E-08	1E-07	3E-07	4E-07	1E-06	<1
	6-11	1E-08	5E-08	2E-07	3E-07	5E-07	1E-06	<1
	12-19	9E-09	3E-08	1E-07	2E-07	3E-07	7E-07	0
	20 +	1E-08	5E-08	2E-07	3E-07	5E-07	1E-06	<1
Commercial Dairy Farmer								
	0-5	6E-08	2E-07	6E-07	1E-06	2E-06	6E-06	<1
	6-11	5E-08	2E-07	5E-07	1E-06	2E-06	4E-06	<1
	12-19	2E-08	8E-08	3E-07	5E-07	8E-07	2E-06	<1
	20 +	1E-08	5E-08	1E-07	3E-07	5E-07	1E-06	<1
MACT_std Commercial Beef Farmer								
	0-5	1E-08	5E-08	1E-07	3E-07	5E-07	1E-06	<1
	6-11	2E-08	7E-08	2E-07	5E-07	7E-07	2E-06	<1
	12-19	1E-08	4E-08	1E-07	2E-07	3E-07	7E-07	0
	20 +	2E-08	6E-08	2E-07	3E-07	5E-07	1E-06	<1
Commercial Dairy Farmer								
	0-5	1E-07	3E-07	1E-06	2E-06	3E-06	7E-06	<1
	6-11	1E-07	3E-07	9E-07	2E-06	3E-06	6E-06	<1
	12-19	4E-08	1E-07	4E-07	8E-07	1E-06	3E-06	<1
	20 +	2E-08	8E-08	2E-07	4E-07	6E-07	1E-06	0

Table I-A4. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: All Incinerators

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	1E-09	1E-08	9E-08	2E-07	4E-07	1E-06	<1
	6-11	2E-09	2E-08	1E-07	4E-07	6E-07	2E-06	<1
	12-19	1E-09	1E-08	8E-08	2E-07	3E-07	9E-07	<1
	20 +	2E-09	2E-08	1E-07	3E-07	5E-07	2E-06	<1
Commercial Dairy Farmer								
	0-5	2E-08	1E-07	7E-07	2E-06	3E-06	9E-06	<1
	6-11	1E-08	1E-07	6E-07	2E-06	3E-06	8E-06	<1
	12-19	6E-09	5E-08	3E-07	7E-07	1E-06	3E-06	<1
	20 +	4E-09	3E-08	2E-07	4E-07	7E-07	2E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	1E-09	1E-08	7E-08	2E-07	3E-07	1E-06	<1
	6-11	2E-09	2E-08	1E-07	3E-07	7E-07	2E-06	<1
	12-19	1E-09	1E-08	7E-08	2E-07	3E-07	8E-07	<1
	20 +	2E-09	2E-08	9E-08	2E-07	4E-07	1E-06	<1
Commercial Dairy Farmer								
	0-5	1E-08	1E-07	6E-07	2E-06	3E-06	8E-06	<1
	6-11	1E-08	1E-07	6E-07	2E-06	3E-06	8E-06	<1
	12-19	6E-09	5E-08	3E-07	7E-07	1E-06	3E-06	<1
	20 +	3E-09	3E-08	1E-07	3E-07	6E-07	2E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	6E-10	3E-09	1E-08	2E-08	4E-08	1E-07	0
	6-11	9E-10	5E-09	2E-08	4E-08	7E-08	2E-07	0
	12-19	7E-10	3E-09	9E-09	2E-08	3E-08	7E-08	0
	20 +	1E-09	4E-09	1E-08	3E-08	5E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	6E-09	3E-08	9E-08	2E-07	3E-07	8E-07	0
	6-11	5E-09	2E-08	8E-08	2E-07	3E-07	7E-07	0
	12-19	3E-09	1E-08	4E-08	7E-08	1E-07	3E-07	0
	20 +	1E-09	6E-09	2E-08	4E-08	6E-08	1E-07	0
MACT_std Commercial Beef Farmer								
	0-5	8E-10	4E-09	2E-08	4E-08	7E-08	2E-07	0
	6-11	1E-09	7E-09	3E-08	7E-08	1E-07	3E-07	0
	12-19	1E-09	5E-09	2E-08	3E-08	5E-08	1E-07	0
	20 +	1E-09	7E-09	2E-08	5E-08	8E-08	2E-07	0
Commercial Dairy Farmer								
	0-5	8E-09	4E-08	2E-07	3E-07	5E-07	1E-06	<1
	6-11	8E-09	4E-08	1E-07	3E-07	4E-07	1E-06	<1
	12-19	3E-09	2E-08	5E-08	1E-07	2E-07	4E-07	0
	20 +	2E-09	8E-09	3E-08	6E-08	1E-07	2E-07	<1

Table I-A5. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Area Source Incinerators

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	2E-08	7E-08	3E-07	6E-07	9E-07	3E-06	<1
	6-11	3E-08	1E-07	4E-07	9E-07	2E-06	4E-06	<1
	12-19	2E-08	7E-08	2E-07	4E-07	7E-07	1E-06	<1
	20 +	3E-08	1E-07	3E-07	7E-07	1E-06	2E-06	<1
Commercial Dairy Farmer								
	0-5	2E-08	2E-07	1E-06	3E-06	5E-06	1E-05	2
	6-11	2E-08	2E-07	1E-06	2E-06	4E-06	1E-05	2
	12-19	6E-09	7E-08	4E-07	9E-07	2E-06	4E-06	<1
	20 +	4E-09	5E-08	3E-07	7E-07	1E-06	3E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	1E-08	6E-08	2E-07	5E-07	8E-07	2E-06	<1
	6-11	2E-08	9E-08	4E-07	8E-07	1E-06	4E-06	<1
	12-19	1E-08	5E-08	2E-07	4E-07	5E-07	1E-06	<1
	20 +	2E-08	8E-08	3E-07	5E-07	8E-07	2E-06	<1
Commercial Dairy Farmer								
	0-5	1E-08	2E-07	1E-06	2E-06	4E-06	1E-05	2
	6-11	2E-08	2E-07	9E-07	2E-06	4E-06	1E-05	2
	12-19	5E-09	6E-08	3E-07	8E-07	1E-06	4E-06	<1
	20 +	4E-09	4E-08	2E-07	6E-07	9E-07	3E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	1E-09	5E-09	2E-08	3E-08	6E-08	1E-07	0
	6-11	2E-09	8E-09	3E-08	5E-08	9E-08	3E-07	0
	12-19	1E-09	4E-09	1E-08	2E-08	3E-08	7E-08	0
	20 +	2E-09	6E-09	2E-08	4E-08	6E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	7E-09	3E-08	1E-07	2E-07	3E-07	8E-07	<1
	6-11	7E-09	3E-08	9E-08	2E-07	3E-07	7E-07	0
	12-19	3E-09	1E-08	4E-08	7E-08	1E-07	3E-07	0
	20 +	2E-09	6E-09	2E-08	5E-08	8E-08	2E-07	<1
MACT_std Commercial Beef Farmer								
	0-5	2E-09	1E-08	3E-08	7E-08	1E-07	3E-07	0
	6-11	4E-09	2E-08	5E-08	1E-07	2E-07	5E-07	<1
	12-19	3E-09	9E-09	2E-08	5E-08	7E-08	1E-07	0
	20 +	4E-09	1E-08	4E-08	7E-08	1E-07	3E-07	<1
Commercial Dairy Farmer								
	0-5	1E-08	4E-08	2E-07	4E-07	6E-07	1E-06	<1
	6-11	1E-08	4E-08	2E-07	3E-07	5E-07	1E-06	<1
	12-19	4E-09	2E-08	6E-08	1E-07	2E-07	6E-07	<1
	20 +	2E-09	1E-08	3E-08	7E-08	1E-07	3E-07	0

Table I-A6. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Commercial Incinerators

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
Commercial Beef Farmer								
	0-5	2E-08	9E-08	3E-07	7E-07	1E-06	3E-06	<1
	6-11	4E-08	2E-07	5E-07	1E-06	2E-06	5E-06	<1
	12-19	3E-08	9E-08	2E-07	5E-07	7E-07	2E-06	<1
	20 +	4E-08	1E-07	4E-07	7E-07	1E-06	2E-06	<1
Commercial Dairy Farmer								
	0-5	2E-08	3E-07	1E-06	3E-06	5E-06	1E-05	2
	6-11	2E-08	3E-07	1E-06	3E-06	4E-06	1E-05	2
	12-19	8E-09	9E-08	5E-07	1E-06	2E-06	5E-06	<1
	20 +	5E-09	6E-08	3E-07	6E-07	1E-06	2E-06	<1
MACT_Floor								
Commercial Beef Farmer								
	0-5	1E-08	6E-08	2E-07	5E-07	8E-07	2E-06	<1
	6-11	2E-08	1E-07	4E-07	9E-07	2E-06	4E-06	<1
	12-19	2E-08	6E-08	2E-07	4E-07	6E-07	1E-06	<1
	20 +	2E-08	8E-08	3E-07	5E-07	8E-07	2E-06	<1
Commercial Dairy Farmer								
	0-5	2E-08	2E-07	1E-06	2E-06	4E-06	1E-05	2
	6-11	2E-08	2E-07	1E-06	2E-06	4E-06	9E-06	<1
	12-19	7E-09	7E-08	4E-07	9E-07	2E-06	4E-06	<1
	20 +	5E-09	5E-08	3E-07	6E-07	1E-06	2E-06	<1
MACT_BTF								
Commercial Beef Farmer								
	0-5	2E-09	6E-09	2E-08	4E-08	6E-08	2E-07	0
	6-11	3E-09	1E-08	3E-08	7E-08	1E-07	3E-07	0
	12-19	2E-09	5E-09	1E-08	3E-08	4E-08	8E-08	0
	20 +	3E-09	8E-09	2E-08	4E-08	7E-08	2E-07	0
Commercial Dairy Farmer								
	0-5	8E-09	3E-08	1E-07	2E-07	4E-07	8E-07	<1
	6-11	7E-09	3E-08	1E-07	2E-07	3E-07	8E-07	<1
	12-19	3E-09	1E-08	4E-08	8E-08	1E-07	3E-07	0
	20 +	2E-09	7E-09	2E-08	5E-08	8E-08	2E-07	0
MACT_std								
Commercial Beef Farmer								
	0-5	3E-09	1E-08	4E-08	7E-08	1E-07	3E-07	0
	6-11	5E-09	2E-08	6E-08	1E-07	2E-07	5E-07	<1
	12-19	4E-09	1E-08	3E-08	6E-08	9E-08	2E-07	0
	20 +	5E-09	2E-08	5E-08	9E-08	1E-07	3E-07	<1
Commercial Dairy Farmer								
	0-5	1E-08	5E-08	2E-07	4E-07	6E-07	1E-06	<1
	6-11	1E-08	5E-08	2E-07	4E-07	6E-07	1E-06	<1
	12-19	4E-09	2E-08	7E-08	1E-07	2E-07	6E-07	0
	20 +	2E-09	1E-08	4E-08	8E-08	1E-07	3E-07	<1

Table I-A7. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Large Onsite Incinerators

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	1E-09	6E-09	3E-08	8E-08	2E-07	5E-07	<1
	6-11	1E-09	9E-09	4E-08	1E-07	2E-07	6E-07	<1
	12-19	1E-09	7E-09	3E-08	6E-08	1E-07	3E-07	0
	20 +	2E-09	1E-08	4E-08	1E-07	2E-07	5E-07	<1
Commercial Dairy Farmer								
	0-5	2E-08	1E-07	6E-07	1E-06	2E-06	6E-06	<1
	6-11	2E-08	1E-07	5E-07	1E-06	2E-06	5E-06	<1
	12-19	8E-09	4E-08	2E-07	6E-07	1E-06	3E-06	<1
	20 +	4E-09	2E-08	1E-07	2E-07	4E-07	1E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	1E-09	6E-09	3E-08	8E-08	2E-07	5E-07	<1
	6-11	2E-09	9E-09	5E-08	1E-07	2E-07	7E-07	<1
	12-19	1E-09	7E-09	3E-08	7E-08	1E-07	4E-07	0
	20 +	2E-09	1E-08	4E-08	1E-07	2E-07	6E-07	<1
Commercial Dairy Farmer								
	0-5	2E-08	1E-07	6E-07	1E-06	2E-06	7E-06	<1
	6-11	2E-08	1E-07	5E-07	1E-06	2E-06	5E-06	<1
	12-19	8E-09	5E-08	3E-07	6E-07	1E-06	3E-06	<1
	20 +	4E-09	2E-08	1E-07	3E-07	4E-07	1E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	8E-10	4E-09	1E-08	3E-08	4E-08	1E-07	0
	6-11	1E-09	6E-09	2E-08	5E-08	8E-08	2E-07	0
	12-19	1E-09	4E-09	1E-08	3E-08	4E-08	9E-08	0
	20 +	1E-09	6E-09	2E-08	4E-08	6E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	1E-08	4E-08	1E-07	2E-07	4E-07	1E-06	<1
	6-11	1E-08	3E-08	1E-07	2E-07	3E-07	7E-07	<1
	12-19	5E-09	2E-08	5E-08	1E-07	2E-07	3E-07	0
	20 +	3E-09	1E-08	3E-08	6E-08	9E-08	2E-07	0
MACT_std Commercial Beef Farmer								
	0-5	1E-09	6E-09	2E-08	5E-08	7E-08	2E-07	0
	6-11	1E-09	7E-09	3E-08	7E-08	1E-07	3E-07	0
	12-19	1E-09	6E-09	2E-08	4E-08	6E-08	1E-07	0
	20 +	2E-09	8E-09	3E-08	6E-08	9E-08	2E-07	0
Commercial Dairy Farmer								
	0-5	1E-08	6E-08	2E-07	4E-07	6E-07	1E-06	<1
	6-11	1E-08	5E-08	2E-07	3E-07	5E-07	1E-06	<1
	12-19	6E-09	2E-08	8E-08	2E-07	2E-07	6E-07	0
	20 +	4E-09	1E-08	4E-08	8E-08	1E-07	3E-07	0

Table I-A8. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Small Onsite Incinerators

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	3E-10	3E-09	2E-08	8E-08	2E-07	6E-07	<1
	6-11	5E-10	5E-09	4E-08	2E-07	4E-07	1E-06	<1
	12-19	3E-10	3E-09	2E-08	1E-07	2E-07	7E-07	<1
	20 +	5E-10	5E-09	4E-08	1E-07	2E-07	8E-07	<1
Commercial Dairy Farmer								
	0-5	3E-09	8E-08	5E-07	1E-06	2E-06	8E-06	<1
	6-11	5E-09	9E-08	5E-07	1E-06	3E-06	8E-06	<1
	12-19	2E-09	4E-08	2E-07	6E-07	1E-06	3E-06	<1
	20 +	2E-09	3E-08	1E-07	3E-07	6E-07	2E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	3E-10	3E-09	3E-08	9E-08	2E-07	7E-07	<1
	6-11	5E-10	5E-09	4E-08	2E-07	3E-07	1E-06	<1
	12-19	3E-10	3E-09	2E-08	9E-08	2E-07	6E-07	<1
	20 +	5E-10	4E-09	3E-08	1E-07	2E-07	8E-07	<1
Commercial Dairy Farmer								
	0-5	3E-09	8E-08	5E-07	1E-06	2E-06	6E-06	<1
	6-11	4E-09	8E-08	5E-07	1E-06	2E-06	8E-06	<1
	12-19	3E-09	4E-08	2E-07	6E-07	1E-06	4E-06	<1
	20 +	1E-09	3E-08	1E-07	4E-07	7E-07	2E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	2E-10	1E-09	5E-09	1E-08	2E-08	6E-08	0
	6-11	3E-10	2E-09	9E-09	2E-08	4E-08	1E-07	0
	12-19	3E-10	1E-09	4E-09	9E-09	1E-08	4E-08	0
	20 +	4E-10	2E-09	7E-09	1E-08	2E-08	6E-08	0
Commercial Dairy Farmer								
	0-5	1E-09	9E-09	4E-08	8E-08	1E-07	3E-07	<1
	6-11	2E-09	1E-08	4E-08	8E-08	1E-07	3E-07	0
	12-19	8E-10	4E-09	2E-08	4E-08	6E-08	1E-07	0
	20 +	4E-10	2E-09	9E-09	2E-08	3E-08	8E-08	0
MACT_std Commercial Beef Farmer								
	0-5	3E-10	2E-09	7E-09	2E-08	3E-08	9E-08	0
	6-11	4E-10	2E-09	1E-08	3E-08	5E-08	1E-07	0
	12-19	3E-10	1E-09	6E-09	1E-08	2E-08	7E-08	0
	20 +	4E-10	2E-09	9E-09	2E-08	3E-08	9E-08	0
Commercial Dairy Farmer								
	0-5	2E-09	1E-08	6E-08	1E-07	2E-07	5E-07	<1
	6-11	2E-09	1E-08	6E-08	1E-07	2E-07	5E-07	<1
	12-19	1E-09	7E-09	3E-08	6E-08	1E-07	3E-07	0
	20 +	6E-10	4E-09	1E-08	3E-08	5E-08	1E-07	0

Table I-A9. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Waste Heat Boilers

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	3E-08	1E-07	4E-07	7E-07	1E-06	3E-06	<1
	6-11	4E-08	2E-07	6E-07	1E-06	2E-06	6E-06	<1
	12-19	3E-08	1E-07	3E-07	6E-07	9E-07	2E-06	<1
	20 +	4E-08	1E-07	4E-07	9E-07	1E-06	3E-06	<1
Commercial Dairy Farmer								
	0-5	3E-07	1E-06	3E-06	6E-06	1E-05	3E-05	4
	6-11	3E-07	9E-07	3E-06	5E-06	8E-06	2E-05	3
	12-19	1E-07	4E-07	1E-06	2E-06	4E-06	9E-06	<1
	20 +	6E-08	2E-07	6E-07	1E-06	2E-06	5E-06	<1
MACT_Floor Commercial Beef Farmer								
	0-5	3E-08	1E-07	4E-07	7E-07	1E-06	3E-06	<1
	6-11	4E-08	2E-07	7E-07	1E-06	2E-06	6E-06	<1
	12-19	3E-08	1E-07	3E-07	6E-07	9E-07	2E-06	<1
	20 +	4E-08	1E-07	4E-07	9E-07	1E-06	3E-06	<1
Commercial Dairy Farmer								
	0-5	3E-07	1E-06	3E-06	7E-06	1E-05	3E-05	4
	6-11	3E-07	9E-07	3E-06	6E-06	1E-05	3E-05	3
	12-19	1E-07	4E-07	1E-06	3E-06	4E-06	1E-05	<1
	20 +	6E-08	2E-07	6E-07	1E-06	2E-06	4E-06	<1
MACT_BTF Commercial Beef Farmer								
	0-5	2E-09	6E-09	2E-08	4E-08	6E-08	2E-07	0
	6-11	3E-09	1E-08	3E-08	7E-08	1E-07	3E-07	<1
	12-19	2E-09	5E-09	1E-08	3E-08	4E-08	9E-08	0
	20 +	2E-09	8E-09	2E-08	4E-08	7E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	1E-08	4E-08	1E-07	2E-07	4E-07	8E-07	<1
	6-11	1E-08	4E-08	1E-07	2E-07	3E-07	8E-07	<1
	12-19	5E-09	1E-08	4E-08	9E-08	1E-07	3E-07	0
	20 +	2E-09	8E-09	2E-08	5E-08	7E-08	1E-07	0
MACT_std Commercial Beef Farmer								
	0-5	3E-09	1E-08	4E-08	7E-08	1E-07	3E-07	0
	6-11	5E-09	2E-08	6E-08	1E-07	2E-07	5E-07	<1
	12-19	3E-09	1E-08	3E-08	5E-08	8E-08	2E-07	0
	20 +	4E-09	1E-08	4E-08	8E-08	1E-07	3E-07	0
Commercial Dairy Farmer								
	0-5	3E-08	9E-08	3E-07	5E-07	8E-07	2E-06	<1
	6-11	2E-08	7E-08	2E-07	4E-07	7E-07	2E-06	<1
	12-19	9E-09	3E-08	9E-08	2E-07	3E-07	7E-07	<1
	20 +	5E-09	2E-08	5E-08	1E-07	2E-07	4E-07	0

Table I-A10. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: All Incinerators (excluding WHB)

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	4E-10	3E-09	2E-08	5E-08	1E-07	3E-07	0
	6-11	6E-10	5E-09	3E-08	8E-08	2E-07	5E-07	0
	12-19	5E-10	3E-09	2E-08	5E-08	8E-08	2E-07	0
	20 +	7E-10	5E-09	3E-08	8E-08	1E-07	4E-07	<1
Commercial Dairy Farmer								
	0-5	4E-09	3E-08	1E-07	3E-07	5E-07	1E-06	<1
	6-11	4E-09	2E-08	1E-07	2E-07	4E-07	1E-06	<1
	12-19	2E-09	1E-08	4E-08	1E-07	2E-07	6E-07	<1
	20 +	1E-09	6E-09	2E-08	6E-08	1E-07	3E-07	<1
MACT_Floor Commercial Beef Farmer								
	0-5	4E-10	2E-09	1E-08	3E-08	5E-08	1E-07	0
	6-11	6E-10	4E-09	2E-08	4E-08	7E-08	2E-07	0
	12-19	4E-10	3E-09	1E-08	2E-08	4E-08	9E-08	0
	20 +	7E-10	4E-09	2E-08	4E-08	6E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	4E-09	2E-08	9E-08	2E-07	3E-07	9E-07	<1
	6-11	4E-09	2E-08	8E-08	2E-07	3E-07	8E-07	<1
	12-19	2E-09	1E-08	4E-08	9E-08	1E-07	3E-07	0
	20 +	1E-09	5E-09	2E-08	4E-08	7E-08	2E-07	0
MACT_BTF Commercial Beef Farmer								
	0-5	3E-10	2E-09	8E-09	2E-08	4E-08	9E-08	0
	6-11	5E-10	3E-09	1E-08	3E-08	5E-08	1E-07	0
	12-19	4E-10	2E-09	7E-09	2E-08	2E-08	6E-08	0
	20 +	6E-10	3E-09	1E-08	2E-08	4E-08	9E-08	0
Commercial Dairy Farmer								
	0-5	4E-09	2E-08	8E-08	2E-07	3E-07	7E-07	<1
	6-11	4E-09	2E-08	7E-08	1E-07	2E-07	6E-07	<1
	12-19	2E-09	9E-09	3E-08	7E-08	1E-07	3E-07	0
	20 +	1E-09	5E-09	2E-08	4E-08	6E-08	1E-07	0
MACT_std Commercial Beef Farmer								
	0-5	4E-10	3E-09	1E-08	3E-08	5E-08	1E-07	0
	6-11	6E-10	4E-09	2E-08	4E-08	8E-08	2E-07	<1
	12-19	4E-10	3E-09	1E-08	2E-08	4E-08	8E-08	0
	20 +	7E-10	4E-09	2E-08	4E-08	6E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	4E-09	2E-08	1E-07	2E-07	4E-07	1E-06	<1
	6-11	4E-09	2E-08	8E-08	2E-07	3E-07	7E-07	<1
	12-19	2E-09	1E-08	4E-08	9E-08	2E-07	4E-07	0
	20 +	1E-09	5E-09	2E-08	5E-08	8E-08	2E-07	0

Table I-A11. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Commercial Incinerators (excluding WHB)

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	7E-09	4E-08	2E-07	4E-07	6E-07	2E-06	<1
	6-11	1E-08	8E-08	3E-07	6E-07	1E-06	2E-06	<1
	12-19	1E-08	5E-08	1E-07	3E-07	4E-07	9E-07	<1
	20 +	1E-08	7E-08	2E-07	5E-07	7E-07	2E-06	<1
Commercial Dairy Farmer								
	0-5	5E-09	3E-08	2E-07	6E-07	1E-06	4E-06	<1
	6-11	5E-09	3E-08	2E-07	5E-07	1E-06	3E-06	<1
	12-19	2E-09	1E-08	8E-08	2E-07	4E-07	1E-06	<1
	20 +	1E-09	7E-09	5E-08	2E-07	3E-07	9E-07	<1
MACT_Floor Commercial Beef Farmer								
	0-5	2E-09	1E-08	4E-08	9E-08	1E-07	3E-07	0
	6-11	4E-09	2E-08	6E-08	1E-07	2E-07	4E-07	0
	12-19	3E-09	1E-08	3E-08	6E-08	9E-08	2E-07	0
	20 +	4E-09	2E-08	5E-08	1E-07	1E-07	3E-07	0
Commercial Dairy Farmer								
	0-5	5E-09	2E-08	9E-08	2E-07	4E-07	1E-06	<1
	6-11	5E-09	2E-08	9E-08	2E-07	3E-07	9E-07	<1
	12-19	2E-09	1E-08	4E-08	9E-08	2E-07	4E-07	0
	20 +	1E-09	6E-09	2E-08	5E-08	8E-08	2E-07	0
MACT_BTF Commercial Beef Farmer								
	0-5	1E-09	5E-09	2E-08	4E-08	6E-08	1E-07	0
	6-11	2E-09	8E-09	3E-08	5E-08	8E-08	2E-07	0
	12-19	1E-09	4E-09	1E-08	2E-08	4E-08	8E-08	0
	20 +	2E-09	7E-09	2E-08	4E-08	6E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	5E-09	2E-08	7E-08	2E-07	2E-07	6E-07	<1
	6-11	4E-09	2E-08	7E-08	1E-07	2E-07	5E-07	<1
	12-19	2E-09	9E-09	3E-08	7E-08	1E-07	3E-07	0
	20 +	1E-09	4E-09	2E-08	4E-08	6E-08	1E-07	0
MACT_std Commercial Beef Farmer								
	0-5	2E-09	1E-08	4E-08	9E-08	1E-07	4E-07	0
	6-11	4E-09	2E-08	6E-08	1E-07	2E-07	5E-07	<1
	12-19	3E-09	1E-08	3E-08	6E-08	8E-08	2E-07	0
	20 +	4E-09	2E-08	5E-08	9E-08	1E-07	3E-07	0
Commercial Dairy Farmer								
	0-5	5E-09	2E-08	1E-07	2E-07	4E-07	1E-06	<1
	6-11	5E-09	2E-08	9E-08	2E-07	3E-07	9E-07	<1
	12-19	2E-09	1E-08	4E-08	9E-08	2E-07	5E-07	0
	20 +	1E-09	5E-09	2E-08	5E-08	9E-08	2E-07	0

Table I-A12. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Large Onsite Incinerators (excluding WHB)

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	8E-10	4E-09	2E-08	4E-08	7E-08	2E-07	0
	6-11	1E-09	7E-09	3E-08	6E-08	1E-07	3E-07	0
	12-19	1E-09	5E-09	2E-08	3E-08	5E-08	1E-07	0
	20 +	2E-09	8E-09	3E-08	5E-08	9E-08	2E-07	0
Commercial Dairy Farmer								
	0-5	1E-08	5E-08	2E-07	3E-07	5E-07	1E-06	<1
	6-11	1E-08	4E-08	1E-07	2E-07	4E-07	9E-07	<1
	12-19	5E-09	2E-08	7E-08	1E-07	2E-07	5E-07	<1
	20 +	3E-09	1E-08	3E-08	7E-08	1E-07	3E-07	0
MACT_Floor Commercial Beef Farmer								
	0-5	8E-10	4E-09	2E-08	4E-08	7E-08	2E-07	0
	6-11	1E-09	6E-09	3E-08	6E-08	1E-07	2E-07	0
	12-19	1E-09	5E-09	2E-08	3E-08	5E-08	9E-08	0
	20 +	2E-09	8E-09	3E-08	6E-08	9E-08	2E-07	0
Commercial Dairy Farmer								
	0-5	1E-08	5E-08	2E-07	3E-07	6E-07	1E-06	<1
	6-11	1E-08	4E-08	1E-07	2E-07	4E-07	8E-07	<1
	12-19	5E-09	2E-08	7E-08	1E-07	2E-07	5E-07	0
	20 +	3E-09	1E-08	3E-08	7E-08	1E-07	3E-07	0
MACT_BTF Commercial Beef Farmer								
	0-5	7E-10	3E-09	1E-08	3E-08	4E-08	1E-07	0
	6-11	1E-09	5E-09	2E-08	4E-08	7E-08	2E-07	0
	12-19	1E-09	4E-09	1E-08	2E-08	4E-08	8E-08	0
	20 +	1E-09	6E-09	2E-08	4E-08	6E-08	1E-07	0
Commercial Dairy Farmer								
	0-5	1E-08	4E-08	1E-07	2E-07	4E-07	8E-07	<1
	6-11	9E-09	3E-08	1E-07	2E-07	3E-07	7E-07	<1
	12-19	5E-09	2E-08	5E-08	1E-07	2E-07	4E-07	0
	20 +	3E-09	1E-08	3E-08	6E-08	9E-08	2E-07	0
MACT_std Commercial Beef Farmer								
	0-5	8E-10	4E-09	2E-08	4E-08	8E-08	2E-07	0
	6-11	1E-09	7E-09	3E-08	6E-08	1E-07	2E-07	0
	12-19	1E-09	5E-09	2E-08	3E-08	5E-08	1E-07	0
	20 +	1E-09	7E-09	3E-08	5E-08	8E-08	2E-07	0
Commercial Dairy Farmer								
	0-5	1E-08	5E-08	2E-07	3E-07	5E-07	1E-06	<1
	6-11	1E-08	4E-08	1E-07	3E-07	4E-07	1E-06	<1
	12-19	5E-09	2E-08	6E-08	1E-07	2E-07	5E-07	<1
	20 +	3E-09	1E-08	4E-08	7E-08	1E-07	2E-07	<1

Table I-A13. Summary of Population Weighted Individual Risk Reflecting Exposure Parameter Variability: Small Onsite Incinerators (excluding WHB)

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline Commercial Beef Farmer								
	0-5	1E-10	7E-10	3E-09	7E-09	1E-08	3E-08	0
	6-11	2E-10	1E-09	4E-09	1E-08	2E-08	6E-08	0
	12-19	1E-10	6E-10	2E-09	5E-09	8E-09	2E-08	0
	20 +	2E-10	1E-09	4E-09	9E-09	1E-08	3E-08	0
Commercial Dairy Farmer								
	0-5	2E-10	3E-09	2E-08	4E-08	8E-08	2E-07	0
	6-11	2E-10	3E-09	2E-08	4E-08	7E-08	2E-07	<1
	12-19	9E-11	1E-09	8E-09	2E-08	3E-08	9E-08	0
	20 +	4E-11	7E-10	4E-09	9E-09	2E-08	4E-08	0
MACT_Floor Commercial Beef Farmer								
	0-5	1E-10	7E-10	3E-09	7E-09	1E-08	3E-08	0
	6-11	2E-10	1E-09	5E-09	1E-08	2E-08	5E-08	0
	12-19	1E-10	7E-10	2E-09	5E-09	8E-09	2E-08	0
	20 +	2E-10	1E-09	4E-09	9E-09	1E-08	4E-08	0
Commercial Dairy Farmer								
	0-5	1E-10	2E-09	2E-08	4E-08	7E-08	2E-07	0
	6-11	2E-10	3E-09	2E-08	4E-08	7E-08	2E-07	0
	12-19	9E-11	1E-09	8E-09	2E-08	3E-08	9E-08	0
	20 +	4E-11	7E-10	4E-09	1E-08	2E-08	5E-08	0
MACT_BTF Commercial Beef Farmer								
	0-5	1E-10	7E-10	3E-09	7E-09	1E-08	3E-08	0
	6-11	2E-10	1E-09	5E-09	1E-08	2E-08	5E-08	0
	12-19	1E-10	7E-10	2E-09	5E-09	7E-09	2E-08	0
	20 +	2E-10	1E-09	4E-09	8E-09	1E-08	3E-08	0
Commercial Dairy Farmer								
	0-5	1E-10	3E-09	2E-08	4E-08	7E-08	2E-07	0
	6-11	2E-10	3E-09	2E-08	4E-08	6E-08	2E-07	<1
	12-19	9E-11	1E-09	8E-09	2E-08	3E-08	8E-08	0
	20 +	4E-11	7E-10	4E-09	9E-09	2E-08	5E-08	0
MACT_std Commercial Beef Farmer								
	0-5	1E-10	7E-10	3E-09	7E-09	1E-08	3E-08	0
	6-11	2E-10	1E-09	5E-09	1E-08	2E-08	6E-08	0
	12-19	1E-10	7E-10	2E-09	5E-09	8E-09	2E-08	0
	20 +	2E-10	1E-09	4E-09	9E-09	1E-08	4E-08	0
Commercial Dairy Farmer								
	0-5	1E-10	2E-09	2E-08	4E-08	7E-08	2E-07	0
	6-11	2E-10	3E-09	2E-08	4E-08	7E-08	2E-07	<1
	12-19	1E-10	2E-09	8E-09	2E-08	3E-08	9E-08	0
	20 +	4E-11	7E-10	4E-09	9E-09	2E-08	5E-08	0

Table I-B1. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Cement Kilns

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	1E-08	*(8E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	5E-07	*(4E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*	0.00	*(0.00, 0.00)*
	6-11	2E-08	*(1E-08, 2E-08)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 6E-07)*	7E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	0.01	*(0.01, 0.01)*
	12-19	1E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 3E-07)*	3E-07	*(3E-07, 4E-07)*	6E-07	*	0.00	*(0.00, 0.00)*
	20 +	2E-08	*(1E-08, 2E-08)*	6E-08	*(4E-08, 8E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	5E-07	*(4E-07, 7E-07)*	8E-07	*(8E-07, 1E-06)*	0.00	*(0.00, 0.01)*
MACT Floor															
	0-5	9E-09	*(7E-09, 1E-08)*	4E-08	*(3E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 4E-07)*	7E-07	*(7E-07, 8E-07)*	0.00	*(0.00, 0.00)*
	6-11	1E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	5E-07	*(5E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*	0.01	*(0.01, 0.01)*
	12-19	1E-08	*(8E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 3E-07)*	4E-07	*	0.00	*(0.00, 0.00)*
	20 +	1E-08	*(9E-09, 2E-08)*	4E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 4E-07)*	8E-07	*(7E-07, 8E-07)*	0.00	*(0.00, 0.01)*
MACT BTF															
	0-5	6E-09	*(5E-09, 7E-09)*	2E-08	*(2E-08, 3E-08)*	7E-08	*(6E-08, 7E-08)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*	0.00	*(0.00, 0.00)*
	6-11	9E-09	*(7E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 3E-07)*	5E-07	*(5E-07, 6E-07)*	0.00	*(0.00, 0.00)*
	12-19	6E-09	*(6E-09, 7E-09)*	2E-08	*(2E-08, 2E-08)*	6E-08	*(4E-08, 6E-08)*	1E-07	*(8E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*	2E-07	*		-
	20 +	8E-09	*(6E-09, 9E-09)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(7E-08, 8E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*		-
MACT Standard															
	0-5	9E-09	*(7E-09, 1E-08)*	4E-08	*(3E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 4E-07)*	7E-07	*(7E-07, 8E-07)*	0.00	*(0.00, 0.00)*
	6-11	1E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	5E-07	*(5E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*	0.01	*(0.01, 0.01)*
	12-19	1E-08	*(8E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 3E-07)*	4E-07	*	0.00	*(0.00, 0.00)*
	20 +	1E-08	*(9E-09, 2E-08)*	4E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 4E-07)*	8E-07	*(7E-07, 8E-07)*	0.00	*(0.00, 0.01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B2. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Area Source Cement Kilns

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	2E-08	*(9E-09, 3E-08)*	7E-08	*(5E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 5E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	0.03	*(0.03, 0.04)*
	6-11	3E-08	*(1E-08, 4E-08)*	1E-07	*(8E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(6E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 3E-06)*	0.05	*(0.04, 0.06)*
	12-19	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 8E-08)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 4E-07)*	5E-07	*(5E-07, 5E-07)*	9E-07	*	0.01	*(0.01, 0.01)*
	20 +	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	8E-07	*(8E-07, 8E-07)*	2E-06	*(2E-06, 2E-06)*	0.04	*(0.04, 0.05)*
MACT Floor															
	0-5	2E-08	*(9E-09, 3E-08)*	7E-08	*(5E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 5E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	0.03	*(0.03, 0.04)*
	6-11	3E-08	*(1E-08, 4E-08)*	1E-07	*(8E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(6E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 3E-06)*	0.05	*(0.04, 0.06)*
	12-19	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 8E-08)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 4E-07)*	5E-07	*(5E-07, 5E-07)*	9E-07	*	0.01	*(0.01, 0.01)*
	20 +	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	8E-07	*(8E-07, 8E-07)*	2E-06	*(2E-06, 2E-06)*	0.04	*(0.04, 0.05)*
MACT BTF															
	0-5	1E-08	*(6E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*	1E-07	*(1E-07, 2E-07)*	3E-07	*(3E-07, 4E-07)*	4E-07	*(4E-07, 5E-07)*	8E-07	*(7E-07, 8E-07)*	0.02	*(0.02, 0.02)*
	6-11	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 5E-07)*	7E-07	*(6E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	0.03	*(0.02, 0.03)*
	12-19	1E-08	*(8E-09, 2E-08)*	4E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 3E-07)*	6E-07	*		-
	20 +	2E-08	*(1E-08, 3E-08)*	7E-08	*(6E-08, 8E-08)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	5E-07	*(5E-07, 5E-07)*	1E-06	*		-
MACT Standard															
	0-5	2E-08	*(9E-09, 3E-08)*	7E-08	*(5E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 5E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	0.03	*(0.03, 0.04)*
	6-11	3E-08	*(1E-08, 4E-08)*	1E-07	*(8E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(6E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 3E-06)*	0.05	*(0.04, 0.06)*
	12-19	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 8E-08)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 4E-07)*	5E-07	*(5E-07, 5E-07)*	9E-07	*	0.01	*(0.01, 0.01)*
	20 +	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	8E-07	*(8E-07, 8E-07)*	2E-06	*(2E-06, 2E-06)*	0.04	*(0.04, 0.05)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B3. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Lightweight Aggregate Kilns

Compound: TCDD-TEQ									
		Percentile of Risk Distribution							
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**	
Baseline									
	0-5	3E-08	1E-07	4E-07	7E-07	1E-06	2E-06	0.03	-
	6-11	5E-08	2E-07	6E-07	1E-06	1E-06	3E-06	0.10	-
	12-19	3E-08	1E-07	3E-07	5E-07	8E-07	1E-06		-
	20 +	4E-08	1E-07	4E-07	8E-07	8E-07	2E-06	0.00	-
MACT Floor									
	0-5	3E-08	1E-07	4E-07	7E-07	1E-06	2E-06	0.03	-
	6-11	5E-08	2E-07	6E-07	1E-06	1E-06	3E-06	0.10	-
	12-19	3E-08	1E-07	3E-07	5E-07	8E-07	1E-06		-
	20 +	4E-08	1E-07	4E-07	8E-07	8E-07	2E-06	0.00	-
MACT BTF									
	0-5	7E-09	3E-08	1E-07	2E-07	4E-07	8E-07	0.02	-
	6-11	1E-08	5E-08	2E-07	4E-07	6E-07	1E-06	0.01	-
	12-19	8E-09	3E-08	1E-07	2E-07	3E-07	6E-07		-
	20 +	1E-08	4E-08	1E-07	3E-07	5E-07	8E-07		-
MACT Standard									
	0-5	1E-08	4E-08	1E-07	3E-07	5E-07	8E-07	0.02	-
	6-11	2E-08	7E-08	2E-07	4E-07	6E-07	1E-06	0.01	-
	12-19	1E-08	4E-08	1E-07	2E-07	3E-07	6E-07		-
	20 +	2E-08	6E-08	2E-07	3E-07	5E-07	8E-07		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B4. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: All Incinerators With WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	1E-09	*(6E-10, 3E-09)*	1E-08	*(6E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(7E-07, 1E-06)*	0.03	*(0.02, 0.06)*
	6-11	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 5E-08)*	1E-07	*(7E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	7E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	0.10	*(0.06, 0.18)*
	12-19	1E-09	*(6E-10, 3E-09)*	1E-08	*(6E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*(5E-07, 1E-06)*	0.02	*(0.01, 0.04)*
	20 +	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 4E-08)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(2E-07, 7E-07)*	1E-06	*(8E-07, 2E-06)*	0.04	*(0.02, 0.08)*
MACT Floor															
	0-5	1E-09	*(5E-10, 3E-09)*	1E-08	*(5E-09, 2E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(5E-07, 1E-06)*	0.03	*(0.01, 0.06)*
	6-11	2E-09	*(9E-10, 4E-09)*	2E-08	*(7E-09, 4E-08)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	6E-07	*(3E-07, 1E-06)*	1E-06	*(9E-07, 3E-06)*	0.10	*(0.05, 0.18)*
	12-19	1E-09	*(6E-10, 3E-09)*	1E-08	*(4E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(4E-07, 1E-06)*	0.02	*(0.01, 0.04)*
	20 +	2E-09	*(9E-10, 4E-09)*	2E-08	*(7E-09, 3E-08)*	9E-08	*(4E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(2E-07, 7E-07)*	1E-06	*(6E-07, 2E-06)*	0.04	*(0.02, 0.08)*
MACT BTF															
	0-5	6E-10	*(3E-10, 9E-10)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	8E-08	*	-	
	6-11	9E-10	*(6E-10, 1E-09)*	5E-09	*(3E-09, 6E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*	6E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 1E-07)*	-	
	12-19	7E-10	*(4E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	5E-08	*	-	
	20 +	1E-09	*(6E-10, 1E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(3E-08, 5E-08)*	8E-08	*(7E-08, 1E-07)*	-	
MACT Standard															
	0-5	7E-10	*(4E-10, 1E-09)*	4E-09	*(3E-09, 6E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*	6E-08	*(5E-08, 9E-08)*	1E-07	*(1E-07, 2E-07)*	-	
	6-11	1E-09	*(7E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(4E-08, 9E-08)*	1E-07	*(7E-08, 1E-07)*	3E-07	*(2E-07, 3E-07)*	-	
	12-19	9E-10	*(5E-10, 1E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(4E-08, 6E-08)*	1E-07	*(8E-08, 1E-07)*	-	
	20 +	1E-09	*(7E-10, 2E-09)*	6E-09	*(4E-09, 9E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(3E-08, 6E-08)*	8E-08	*(5E-08, 8E-08)*	2E-07	*(1E-07, 2E-07)*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B5. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Area Source Incinerators

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	2E-08	*(6E-09, 3E-08)*	7E-08	*(4E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	8E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 3E-06)*	0.08	*(0.05, 0.13)*
	6-11	3E-08	*(1E-08, 5E-08)*	1E-07	*(7E-08, 2E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(6E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	3E-06	*(2E-06, 5E-06)*	0.23	*(0.14, 0.39)*
	12-19	2E-08	*(4E-09, 3E-08)*	7E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	6E-07	*(4E-07, 7E-07)*	1E-06	*(8E-07, 2E-06)*	0.04	*(0.02, 0.06)*
	20 +	3E-08	*(1E-08, 5E-08)*	1E-07	*(6E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	8E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	0.09	*(0.05, 0.15)*
MACT Floor															
	0-5	1E-08	*(3E-09, 3E-08)*	6E-08	*(2E-08, 1E-07)*	2E-07	*(9E-08, 4E-07)*	5E-07	*(2E-07, 7E-07)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 3E-06)*	0.08	*(0.04, 0.14)*
	6-11	2E-08	*(4E-09, 5E-08)*	9E-08	*(3E-08, 2E-07)*	4E-07	*(1E-07, 6E-07)*	7E-07	*(3E-07, 1E-06)*	1E-06	*(6E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*	0.23	*(0.13, 0.40)*
	12-19	1E-08	*(2E-09, 3E-08)*	5E-08	*(1E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	5E-07	*(2E-07, 7E-07)*	1E-06	*(6E-07, 2E-06)*	0.03	*(0.02, 0.06)*
	20 +	2E-08	*(4E-09, 4E-08)*	8E-08	*(3E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 8E-07)*	8E-07	*(4E-07, 9E-07)*	2E-06	*(8E-07, 2E-06)*	0.09	*(0.05, 0.15)*
MACT BTF															
	0-5	1E-09	*(8E-10, 2E-09)*	5E-09	*(4E-09, 6E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 4E-08)*	4E-08	*(4E-08, 5E-08)*	1E-07	*(9E-08, 1E-07)*	-	
	6-11	2E-09	*(1E-09, 3E-09)*	7E-09	*(6E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	7E-08	*(7E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	-	
	12-19	1E-09	*(7E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(8E-09, 1E-08)*	2E-08	*(2E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(5E-08, 7E-08)*	-	
	20 +	2E-09	*(1E-09, 3E-09)*	6E-09	*(5E-09, 8E-09)*	2E-08	*(2E-08, 2E-08)*	4E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*	-	
MACT Standard															
	0-5	2E-09	*(1E-09, 4E-09)*	9E-09	*(7E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*	-	
	6-11	4E-09	*(2E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*	1E-07	*(1E-07, 2E-07)*	4E-07	*	-	
	12-19	2E-09	*(1E-09, 4E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(4E-08, 5E-08)*	6E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 2E-07)*	-	
	20 +	4E-09	*(2E-09, 5E-09)*	1E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(6E-08, 8E-08)*	8E-08	*(8E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B6. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Commercial Incinerators With WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	2E-08	*(1E-08, 3E-08)*	9E-08	*(7E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(5E-07, 7E-07)*	8E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	0.08	*(0.05, 0.13)*
	6-11	4E-08	*(2E-08, 6E-08)*	1E-07	*(1E-07, 2E-07)*	5E-07	*(4E-07, 6E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 5E-06)*	0.25	*(0.16, 0.39)*
	12-19	3E-08	*(2E-08, 4E-08)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	4E-07	*(4E-07, 5E-07)*	6E-07	*(5E-07, 7E-07)*	1E-06	*(1E-06, 1E-06)*	0.03	*(0.02, 0.06)*
	20 +	4E-08	*(2E-08, 5E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*	7E-07	*(6E-07, 8E-07)*	8E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	0.08	*(0.05, 0.14)*
MACT Floor															
	0-5	1E-08	*(6E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(3E-07, 7E-07)*	7E-07	*(5E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	0.07	*(0.04, 0.13)*
	6-11	2E-08	*(9E-09, 5E-08)*	1E-07	*(5E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*	1E-06	*(7E-07, 1E-06)*	3E-06	*(2E-06, 5E-06)*	0.23	*(0.14, 0.39)*
	12-19	2E-08	*(6E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(7E-07, 2E-06)*	0.03	*(0.02, 0.06)*
	20 +	2E-08	*(9E-09, 4E-08)*	8E-08	*(4E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(3E-07, 8E-07)*	8E-07	*(5E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*	0.08	*(0.04, 0.14)*
MACT BTF															
	0-5	2E-09	*(1E-09, 2E-09)*	6E-09	*(5E-09, 7E-09)*	2E-08	*(2E-08, 2E-08)*	4E-08	*(4E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*	-	
	6-11	3E-09	*(2E-09, 3E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*	8E-08	*(7E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	-	
	12-19	2E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	3E-08	*(3E-08, 4E-08)*	7E-08	*	-	
	20 +	2E-09	*(2E-09, 3E-09)*	7E-09	*(7E-09, 9E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(4E-08, 4E-08)*	5E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 2E-07)*	-	
MACT Standard															
	0-5	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(7E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*	3E-07	*(2E-07, 3E-07)*	-	
	6-11	5E-09	*(4E-09, 6E-09)*	2E-08	*(2E-08, 2E-08)*	6E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(1E-07, 2E-07)*	4E-07	*	-	
	12-19	3E-09	*(3E-09, 4E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	7E-08	*(7E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*	-	
	20 +	5E-09	*(4E-09, 6E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(4E-08, 5E-08)*	8E-08	*(7E-08, 8E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B7. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Large Onsite Incinerators With WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	1E-09	*(4E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-07	*(2E-07, 8E-07)*	0.01	*(0.00, 0.03)*
	6-11	1E-09	*(6E-10, 4E-09)*	9E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 7E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	6E-07	*(3E-07, 1E-06)*	0.02	*(0.01, 0.07)*
	12-19	1E-09	*(5E-10, 3E-09)*	7E-09	*(2E-09, 1E-08)*	3E-08	*(1E-08, 4E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	3E-07	*	0.00	*(0.00, 0.00)*
	20 +	2E-09	*(6E-10, 5E-09)*	9E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	8E-08	*(5E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	5E-07	*	0.00	*(0.00, 0.02)*
MACT Floor															
	0-5	1E-09	*(4E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-07	*(2E-07, 8E-07)*	0.01	*(0.00, 0.03)*
	6-11	1E-09	*(6E-10, 4E-09)*	9E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 7E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	6E-07	*(3E-07, 1E-06)*	0.02	*(0.01, 0.07)*
	12-19	1E-09	*(5E-10, 3E-09)*	7E-09	*(2E-09, 1E-08)*	3E-08	*(1E-08, 4E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	3E-07	*	0.00	*(0.00, 0.00)*
	20 +	2E-09	*(6E-10, 5E-09)*	9E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	8E-08	*(5E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	5E-07	*	0.00	*(0.00, 0.02)*
MACT BTF															
	0-5	8E-10	*(4E-10, 2E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*(6E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(2E-08, 7E-08)*	9E-08	*(5E-08, 2E-07)*	-	
	6-11	1E-09	*(6E-10, 2E-09)*	6E-09	*(3E-09, 1E-08)*	2E-08	*(9E-09, 4E-08)*	5E-08	*(2E-08, 7E-08)*	7E-08	*(3E-08, 1E-07)*	1E-07	*	-	
	12-19	1E-09	*(4E-10, 2E-09)*	4E-09	*(2E-09, 8E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 4E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*	-	
	20 +	1E-09	*(6E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 3E-08)*	4E-08	*(2E-08, 6E-08)*	6E-08	*(3E-08, 8E-08)*	1E-07	*	-	
MACT Standard															
	0-5	1E-09	*(4E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(7E-09, 4E-08)*	4E-08	*(2E-08, 7E-08)*	7E-08	*(3E-08, 1E-07)*	1E-07	*	-	
	6-11	1E-09	*(6E-10, 3E-09)*	7E-09	*(3E-09, 1E-08)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(5E-08, 2E-07)*	3E-07	*	-	
	12-19	1E-09	*(5E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 7E-08)*	1E-07	*	-	
	20 +	2E-09	*(6E-10, 5E-09)*	8E-09	*(3E-09, 2E-08)*	3E-08	*(1E-08, 5E-08)*	5E-08	*(2E-08, 8E-08)*	8E-08	*(4E-08, 1E-07)*	2E-07	*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B8. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Small Onsite Incinerators With WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	3E-10	*(8E-11, 7E-10)*	3E-09	*(1E-09, 7E-09)*	2E-08	*(7E-09, 6E-08)*	7E-08	*(2E-08, 2E-07)*	1E-07	*(4E-08, 3E-07)*	6E-07	*	0.02	*(0.00, 0.07)*
	6-11	5E-10	*(1E-10, 1E-09)*	5E-09	*(2E-09, 1E-08)*	4E-08	*(1E-08, 1E-07)*	1E-07	*(3E-08, 4E-07)*	3E-07	*(6E-08, 7E-07)*	1E-06	*(2E-07, 2E-06)*	0.07	*(0.02, 0.21)*
	12-19	3E-10	*(1E-10, 7E-10)*	3E-09	*(1E-09, 7E-09)*	2E-08	*(6E-09, 7E-08)*	8E-08	*(2E-08, 2E-07)*	2E-07	*(3E-08, 4E-07)*	6E-07	*(9E-08, 2E-06)*	0.02	*(0.00, 0.07)*
	20 +	5E-10	*(2E-10, 1E-09)*	4E-09	*(2E-09, 1E-08)*	3E-08	*(8E-09, 1E-07)*	1E-07	*(2E-08, 3E-07)*	2E-07	*(4E-08, 5E-07)*	8E-07	*	0.03	*(0.01, 0.13)*
MACT Floor															
	0-5	3E-10	*(8E-11, 7E-10)*	3E-09	*(1E-09, 7E-09)*	2E-08	*(7E-09, 6E-08)*	7E-08	*(2E-08, 2E-07)*	1E-07	*(4E-08, 3E-07)*	6E-07	*	0.02	*(0.00, 0.07)*
	6-11	5E-10	*(1E-10, 1E-09)*	5E-09	*(2E-09, 1E-08)*	4E-08	*(1E-08, 1E-07)*	1E-07	*(3E-08, 4E-07)*	3E-07	*(6E-08, 7E-07)*	1E-06	*(2E-07, 2E-06)*	0.07	*(0.02, 0.21)*
	12-19	3E-10	*(1E-10, 7E-10)*	3E-09	*(1E-09, 7E-09)*	2E-08	*(6E-09, 7E-08)*	8E-08	*(2E-08, 2E-07)*	2E-07	*(3E-08, 4E-07)*	6E-07	*(9E-08, 2E-06)*	0.02	*(0.00, 0.07)*
	20 +	5E-10	*(2E-10, 1E-09)*	4E-09	*(2E-09, 1E-08)*	3E-08	*(8E-09, 1E-07)*	1E-07	*(2E-08, 3E-07)*	2E-07	*(4E-08, 5E-07)*	8E-07	*	0.03	*(0.01, 0.13)*
MACT BTF															
	0-5	2E-10	*(7E-11, 4E-10)*	1E-09	*(6E-10, 2E-09)*	5E-09	*(3E-09, 7E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*	-	
	6-11	3E-10	*(1E-10, 7E-10)*	2E-09	*(1E-09, 3E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 5E-08)*	8E-08	*(5E-08, 1E-07)*	-	
	12-19	2E-10	*(9E-11, 5E-10)*	1E-09	*(6E-10, 2E-09)*	4E-09	*(2E-09, 6E-09)*	9E-09	*(5E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	3E-08	*	-	
	20 +	4E-10	*(1E-10, 7E-10)*	2E-09	*(9E-10, 3E-09)*	7E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(3E-08, 7E-08)*	-	
MACT Standard															
	0-5	2E-10	*(7E-11, 5E-10)*	1E-09	*(7E-10, 3E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	7E-08	*(4E-08, 1E-07)*	-	
	6-11	4E-10	*(1E-10, 8E-10)*	2E-09	*(1E-09, 4E-09)*	1E-08	*(6E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	5E-08	*(2E-08, 7E-08)*	1E-07	*(6E-08, 2E-07)*	-	
	12-19	3E-10	*(1E-10, 5E-10)*	1E-09	*(7E-10, 2E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(3E-08, 8E-08)*	-	
	20 +	4E-10	*(2E-10, 9E-10)*	2E-09	*(1E-09, 4E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 5E-08)*	8E-08	*(4E-08, 1E-07)*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B9. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: WHB

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	2E-08	*(1E-08, 4E-08)*	1E-07	*(7E-08, 1E-07)*	3E-07	*(3E-07, 5E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*	0.11	*(0.07, 0.17)*
	6-11	4E-08	*(2E-08, 6E-08)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(4E-06, 6E-06)*	0.35	*(0.24, 0.50)*
	12-19	3E-08	*(2E-08, 5E-08)*	1E-07	*(7E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	8E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	0.06	*(0.03, 0.12)*
	20 +	4E-08	*(2E-08, 6E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(3E-07, 6E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	0.13	*(0.08, 0.23)*
MACT Floor															
	0-5	2E-08	*(1E-08, 4E-08)*	1E-07	*(7E-08, 1E-07)*	3E-07	*(3E-07, 5E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*	0.11	*(0.07, 0.17)*
	6-11	4E-08	*(2E-08, 6E-08)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(4E-06, 6E-06)*	0.35	*(0.24, 0.50)*
	12-19	3E-08	*(2E-08, 5E-08)*	1E-07	*(7E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	8E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	0.06	*(0.03, 0.12)*
	20 +	4E-08	*(2E-08, 6E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(3E-07, 6E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	0.13	*(0.08, 0.23)*
MACT BTF															
	0-5	2E-09	*(1E-09, 2E-09)*	6E-09	*(5E-09, 7E-09)*	2E-08	*(2E-08, 2E-08)*	4E-08	*(4E-08, 4E-08)*	5E-08	*(5E-08, 5E-08)*	1E-07	*	-	
	6-11	3E-09	*(2E-09, 3E-09)*	1E-08	*(8E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*	8E-08	*(8E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	-	
	12-19	2E-09	*(1E-09, 2E-09)*	6E-09	*(4E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	3E-08	*(3E-08, 4E-08)*	7E-08	*	-	
	20 +	2E-09	*(2E-09, 3E-09)*	7E-09	*(6E-09, 9E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(4E-08, 4E-08)*	5E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 2E-07)*	-	
MACT Standard															
	0-5	3E-09	*(2E-09, 4E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	7E-08	*(6E-08, 8E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	-	
	6-11	5E-09	*(4E-09, 6E-09)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 1E-07)*	1E-07	*(1E-07, 2E-07)*	4E-07	*	-	
	12-19	3E-09	*(3E-09, 4E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*	7E-08	*(6E-08, 9E-08)*	1E-07	*(1E-07, 2E-07)*	-	
	20 +	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(7E-08, 8E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B10. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: All Incinerators Without WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	4E-10	*(2E-10, 8E-10)*	3E-09	*(1E-09, 6E-09)*	2E-08	*(7E-09, 3E-08)*	5E-08	*(2E-08, 9E-08)*	1E-07	*(4E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	0.00	*(0.00, 0.01)*
	6-11	6E-10	*(3E-10, 1E-09)*	5E-09	*(2E-09, 9E-09)*	3E-08	*(1E-08, 6E-08)*	8E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	5E-07	*	0.01	*(0.00, 0.01)*
	12-19	4E-10	*(2E-10, 9E-10)*	3E-09	*(1E-09, 6E-09)*	2E-08	*(6E-09, 3E-08)*	4E-08	*(2E-08, 7E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*	0.00	*(0.00, 0.00)*
	20 +	7E-10	*(3E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	0.00	*(0.00, 0.00)*
MACT Floor															
	0-5	4E-10	*(2E-10, 7E-10)*	2E-09	*(1E-09, 4E-09)*	1E-08	*(6E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	1E-07	*(7E-08, 1E-07)*	-	
	6-11	6E-10	*(3E-10, 1E-09)*	4E-09	*(2E-09, 7E-09)*	2E-08	*(9E-09, 3E-08)*	4E-08	*(2E-08, 6E-08)*	7E-08	*(4E-08, 1E-07)*	2E-07	*	-	
	12-19	4E-10	*(2E-10, 8E-10)*	3E-09	*(1E-09, 4E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 5E-08)*	7E-08	*	-	
	20 +	6E-10	*(3E-10, 1E-09)*	4E-09	*(2E-09, 7E-09)*	2E-08	*(8E-09, 3E-08)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*	-	
MACT BTF															
	0-5	3E-10	*(2E-10, 6E-10)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*(5E-08, 9E-08)*	-	
	6-11	5E-10	*(3E-10, 9E-10)*	3E-09	*(2E-09, 5E-09)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	1E-07	*	-	
	12-19	4E-10	*(2E-10, 7E-10)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(2E-08, 7E-08)*	-	
	20 +	6E-10	*(3E-10, 1E-09)*	3E-09	*(2E-09, 5E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 6E-08)*	8E-08	*(5E-08, 1E-07)*	-	
MACT Standard															
	0-5	4E-10	*(2E-10, 7E-10)*	2E-09	*(1E-09, 4E-09)*	1E-08	*(6E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	1E-07	*(7E-08, 1E-07)*	-	
	6-11	6E-10	*(3E-10, 1E-09)*	4E-09	*(2E-09, 7E-09)*	2E-08	*(9E-09, 3E-08)*	4E-08	*(2E-08, 6E-08)*	7E-08	*(4E-08, 1E-07)*	2E-07	*	-	
	12-19	4E-10	*(2E-10, 8E-10)*	3E-09	*(1E-09, 4E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 5E-08)*	7E-08	*	-	
	20 +	6E-10	*(3E-10, 1E-09)*	4E-09	*(2E-09, 7E-09)*	2E-08	*(8E-09, 3E-08)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B11. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Commercial Incinerators Without WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	7E-09	*(2E-09, 2E-08)*	4E-08	*(2E-08, 7E-08)*	2E-07	*(9E-08, 3E-07)*	4E-07	*(2E-07, 5E-07)*	6E-07	*(4E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*	0.02	*(0.01, 0.03)*
	6-11	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*	0.04	*(0.02, 0.06)*
	12-19	1E-08	*(2E-09, 2E-08)*	5E-08	*(2E-08, 7E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	9E-07	*	0.01	*(0.00, 0.01)*
	20 +	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 6E-07)*	7E-07	*(5E-07, 8E-07)*	2E-06	*(8E-07, 2E-06)*	0.01	*(0.01, 0.02)*
MACT Floor															
	0-5	2E-09	*(1E-09, 4E-09)*	1E-08	*(7E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(6E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	3E-07	*	-	
	6-11	4E-09	*(2E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(4E-08, 8E-08)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(1E-07, 2E-07)*	4E-07	*	-	
	12-19	3E-09	*(1E-09, 4E-09)*	1E-08	*(6E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(4E-08, 7E-08)*	8E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	-	
	20 +	4E-09	*(2E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	5E-08	*(3E-08, 7E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	-	
MACT BTF															
	0-5	1E-09	*(8E-10, 2E-09)*	5E-09	*(4E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	1E-07	*(8E-08, 1E-07)*	-	
	6-11	2E-09	*(1E-09, 3E-09)*	7E-09	*(6E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	7E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 3E-07)*	-	
	12-19	1E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*(5E-08, 9E-08)*	-	
	20 +	2E-09	*(1E-09, 3E-09)*	7E-09	*(5E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	5E-08	*(4E-08, 8E-08)*	1E-07	*(8E-08, 3E-07)*	-	
MACT Standard															
	0-5	2E-09	*(1E-09, 4E-09)*	1E-08	*(7E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(6E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	3E-07	*	-	
	6-11	4E-09	*(2E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(4E-08, 8E-08)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(1E-07, 2E-07)*	4E-07	*	-	
	12-19	3E-09	*(1E-09, 4E-09)*	1E-08	*(6E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(4E-08, 7E-08)*	8E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	-	
	20 +	4E-09	*(2E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	5E-08	*(3E-08, 7E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	-	

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B12. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Large Onsite Incinerators Without WHB Included

Compound: TCDD-TEQ														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	8E-10	*(3E-10, 2E-09)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 4E-08)*	4E-08	*(1E-08, 7E-08)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(4E-08, 3E-07)*	-
	6-11	1E-09	*(5E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	3E-08	*(7E-09, 5E-08)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(3E-08, 1E-07)*	2E-07	*	-
	12-19	1E-09	*(4E-10, 3E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	4E-08	*(2E-08, 7E-08)*	8E-08	*(3E-08, 2E-07)*	-
	20 +	2E-09	*(5E-10, 4E-09)*	7E-09	*(2E-09, 2E-08)*	3E-08	*(8E-09, 5E-08)*	5E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(6E-08, 4E-07)*	-
MACT Floor														
	0-5	8E-10	*(3E-10, 2E-09)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 4E-08)*	4E-08	*(1E-08, 7E-08)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(4E-08, 3E-07)*	-
	6-11	1E-09	*(5E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	3E-08	*(7E-09, 5E-08)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(3E-08, 1E-07)*	2E-07	*	-
	12-19	1E-09	*(4E-10, 3E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	4E-08	*(2E-08, 7E-08)*	8E-08	*(3E-08, 2E-07)*	-
	20 +	2E-09	*(5E-10, 4E-09)*	7E-09	*(2E-09, 2E-08)*	3E-08	*(8E-09, 5E-08)*	5E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(6E-08, 4E-07)*	-
MACT BTF														
	0-5	7E-10	*(3E-10, 2E-09)*	3E-09	*(1E-09, 7E-09)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(2E-08, 7E-08)*	9E-08	*(4E-08, 2E-07)*	-
	6-11	1E-09	*(5E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(7E-09, 4E-08)*	4E-08	*(1E-08, 7E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*	-
	12-19	1E-09	*(4E-10, 2E-09)*	4E-09	*(1E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(9E-09, 4E-08)*	3E-08	*(1E-08, 5E-08)*	6E-08	*(3E-08, 2E-07)*	-
	20 +	1E-09	*(5E-10, 3E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(6E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	5E-08	*(2E-08, 8E-08)*	8E-08	*(4E-08, 2E-07)*	-
MACT Standard														
	0-5	8E-10	*(3E-10, 2E-09)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 4E-08)*	4E-08	*(1E-08, 7E-08)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(4E-08, 3E-07)*	-
	6-11	1E-09	*(5E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	3E-08	*(7E-09, 5E-08)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(3E-08, 1E-07)*	2E-07	*	-
	12-19	1E-09	*(4E-10, 3E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	4E-08	*(2E-08, 7E-08)*	8E-08	*(3E-08, 2E-07)*	-
	20 +	2E-09	*(5E-10, 4E-09)*	7E-09	*(2E-09, 2E-08)*	3E-08	*(8E-09, 5E-08)*	5E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(6E-08, 4E-07)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B13. Summary of Beef Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Small Onsite Incinerators Without WHB Included

Compound: TCDD-TEQ														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	9E-11	*(2E-11, 3E-10)*	7E-10	*(2E-10, 1E-09)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	3E-08	*	-
	6-11	2E-10	*(4E-11, 5E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	-
	12-19	1E-10	*(3E-11, 3E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	-
	20 +	2E-10	*(5E-11, 5E-10)*	1E-09	*(4E-10, 2E-09)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 5E-08)*	-
MACT Floor														
	0-5	9E-11	*(2E-11, 3E-10)*	7E-10	*(2E-10, 1E-09)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	3E-08	*	-
	6-11	2E-10	*(4E-11, 5E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	-
	12-19	1E-10	*(3E-11, 3E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	-
	20 +	2E-10	*(5E-11, 5E-10)*	1E-09	*(4E-10, 2E-09)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 5E-08)*	-
MACT BTF														
	0-5	9E-11	*(2E-11, 3E-10)*	7E-10	*(2E-10, 1E-09)*	3E-09	*(1E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	3E-08	*	-
	6-11	2E-10	*(4E-11, 5E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(6E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	-
	12-19	1E-10	*(3E-11, 3E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	-
	20 +	2E-10	*(5E-11, 5E-10)*	1E-09	*(4E-10, 2E-09)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	-
MACT Standard														
	0-5	9E-11	*(2E-11, 3E-10)*	7E-10	*(2E-10, 1E-09)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	3E-08	*	-
	6-11	2E-10	*(4E-11, 5E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	-
	12-19	1E-10	*(3E-11, 3E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	-
	20 +	2E-10	*(5E-11, 5E-10)*	1E-09	*(4E-10, 2E-09)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 5E-08)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B14. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Cement Kilns

Compound: TCDD-TEQ																	
		Percentile of Risk Distribution															
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline																	
	0-5	1E-07	*(9E-08, 2E-07)*	5E-07	*(4E-07, 7E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*	0.71	*(0.56, 0.90)*
	6-11	1E-07	*(6E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 7E-06)*	0.34	*(0.28, 0.42)*
	12-19	4E-08	*(3E-08, 6E-08)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(4E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	0.05	*(0.04, 0.05)*
	20 +	3E-08	*(2E-08, 4E-08)*	1E-07	*(8E-08, 1E-07)*	3E-07	*(3E-07, 4E-07)*	7E-07	*(5E-07, 8E-07)*	8E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	0.01	*(0.00, 0.01)*
MACT Floor																	
	0-5	1E-07	*(7E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 5E-06)*	0.15	*(0.12, 0.18)*
	6-11	7E-08	*(5E-08, 1E-07)*	3E-07	*(2E-07, 3E-07)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	0.07	*(0.06, 0.08)*
	12-19	3E-08	*(2E-08, 5E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 2E-06)*	0.02	*(0.01, 0.03)*
	20 +	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 8E-08)*	2E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(5E-07, 7E-07)*	8E-07	*(8E-07, 8E-07)*	0.01	*(0.00, 0.01)*
MACT BTF																	
	0-5	6E-08	*(5E-08, 7E-08)*	2E-07	*(2E-07, 2E-07)*	5E-07	*(5E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	0.04	*(0.03, 0.05)*
	6-11	4E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*	8E-07	*(7E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*	0.02	*(0.02, 0.03)*
	12-19	2E-08	*(2E-08, 2E-08)*	7E-08	*(6E-08, 8E-08)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*	5E-07	*(5E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*	0.01	*(0.01, 0.01)*
	20 +	1E-08	*(1E-08, 1E-08)*	4E-08	*(3E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 3E-07)*	5E-07	*(5E-07, 6E-07)*	0.00	*(0.00, 0.00)*
MACT Standard																	
	0-5	1E-07	*(7E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 5E-06)*	0.15	*(0.12, 0.18)*
	6-11	7E-08	*(5E-08, 1E-07)*	3E-07	*(2E-07, 3E-07)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	0.07	*(0.06, 0.08)*
	12-19	3E-08	*(2E-08, 5E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 2E-06)*	0.02	*(0.01, 0.03)*
	20 +	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 8E-08)*	2E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(5E-07, 7E-07)*	8E-07	*(8E-07, 8E-07)*	0.01	*(0.00, 0.01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B15. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Area Source Cement Kilns

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	2E-07	*(1E-07, 3E-07)*	9E-07	*(6E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(5E-06, 6E-06)*	8E-06	*(7E-06, 1E-05)*	**1E-05**	***(1E-05, 1E-05)***	1.63	*(1.37, 1.94)*
	6-11	2E-07	*(1E-07, 3E-07)*	7E-07	*(5E-07, 9E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	6E-06	*(5E-06, 7E-06)*	**1E-05**	***(1E-05, 1E-05)***	1.02	*(0.87, 1.21)*
	12-19	8E-08	*(5E-08, 1E-07)*	3E-07	*(3E-07, 4E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 3E-06)*	5E-06	*(5E-06, 6E-06)*	0.38	*(0.32, 0.45)*
	20 +	5E-08	*(3E-08, 7E-08)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	4E-06	*(3E-06, 4E-06)*	0.12	*(0.10, 0.14)*
MACT Floor															
	0-5	2E-07	*(1E-07, 3E-07)*	9E-07	*(6E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(5E-06, 6E-06)*	8E-06	*(7E-06, 1E-05)*	**1E-05**	***(1E-05, 1E-05)***	1.63	*(1.37, 1.94)*
	6-11	2E-07	*(1E-07, 3E-07)*	7E-07	*(5E-07, 9E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	6E-06	*(5E-06, 7E-06)*	**1E-05**	***(1E-05, 1E-05)***	1.02	*(0.87, 1.21)*
	12-19	8E-08	*(5E-08, 1E-07)*	3E-07	*(3E-07, 4E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 3E-06)*	5E-06	*(5E-06, 6E-06)*	0.38	*(0.32, 0.45)*
	20 +	5E-08	*(3E-08, 7E-08)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	4E-06	*(3E-06, 4E-06)*	0.12	*(0.10, 0.14)*
MACT BTF															
	0-5	1E-07	*(8E-08, 2E-07)*	5E-07	*(4E-07, 7E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 6E-06)*	8E-06	*(8E-06, 8E-06)*	0.81	*(0.68, 0.96)*
	6-11	1E-07	*(7E-08, 2E-07)*	4E-07	*(3E-07, 6E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	6E-06	*	0.58	*(0.49, 0.69)*
	12-19	6E-08	*(3E-08, 8E-08)*	2E-07	*(2E-07, 3E-07)*	8E-07	*(6E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*	0.18	*(0.15, 0.21)*
	20 +	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*	7E-07	*(7E-07, 8E-07)*	8E-07	*(8E-07, 9E-07)*	2E-06	*(2E-06, 2E-06)*	0.04	*(0.03, 0.05)*
MACT Standard															
	0-5	2E-07	*(1E-07, 3E-07)*	9E-07	*(6E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(5E-06, 6E-06)*	8E-06	*(7E-06, 1E-05)*	**1E-05**	***(1E-05, 1E-05)***	1.63	*(1.37, 1.94)*
	6-11	2E-07	*(1E-07, 3E-07)*	7E-07	*(5E-07, 9E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	6E-06	*(5E-06, 7E-06)*	**1E-05**	***(1E-05, 1E-05)***	1.02	*(0.87, 1.21)*
	12-19	8E-08	*(5E-08, 1E-07)*	3E-07	*(3E-07, 4E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 3E-06)*	5E-06	*(5E-06, 6E-06)*	0.38	*(0.32, 0.45)*
	20 +	5E-08	*(3E-08, 7E-08)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	4E-06	*(3E-06, 4E-06)*	0.12	*(0.10, 0.14)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B16. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Lightweight Aggregate Kilns

Compound: TCDD-TEQ								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	4E-07	1E-06	4E-06	7E-06	**1E-05**	**2E-05**	3.97 -
	6-11	4E-07	1E-06	3E-06	5E-06	1E-05	**1E-05**	2.99 -
	12-19	2E-07	6E-07	2E-06	3E-06	4E-06	7E-06	0.45 -
	20 +	1E-07	3E-07	8E-07	2E-06	3E-06	4E-06	0.05 -
MACT Floor								
	0-5	4E-07	1E-06	4E-06	7E-06	**1E-05**	**2E-05**	3.97 -
	6-11	4E-07	1E-06	3E-06	5E-06	1E-05	**1E-05**	2.99 -
	12-19	2E-07	6E-07	2E-06	3E-06	4E-06	7E-06	0.45 -
	20 +	1E-07	3E-07	8E-07	2E-06	3E-06	4E-06	0.05 -
MACT BTF								
	0-5	6E-08	2E-07	7E-07	1E-06	2E-06	5E-06	0.33 -
	6-11	5E-08	2E-07	5E-07	1E-06	1E-06	3E-06	0.19 -
	12-19	2E-08	8E-08	3E-07	5E-07	7E-07	2E-06	0.03 -
	20 +	1E-08	5E-08	1E-07	3E-07	4E-07	8E-07	0.01 -
MACT Standard								
	0-5	1E-07	3E-07	1E-06	2E-06	2E-06	6E-06	0.35 -
	6-11	1E-07	3E-07	9E-07	1E-06	3E-06	4E-06	0.20 -
	12-19	4E-08	1E-07	4E-07	8E-07	1E-06	3E-06	0.03 -
	20 +	2E-08	8E-08	2E-07	4E-07	5E-07	1E-06	0.01 -

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B17. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: All Incinerators With WHB Included

Compound: TCDD-TEQ																			
		Percentile of Risk Distribution																	
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	1E-08	*(6E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	7E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	8E-06	*(5E-06, 1E-05)*	0.75	*(0.45, 1.25)*
	6-11	1E-08	*(6E-09, 3E-08)*	1E-07	*(6E-08, 2E-07)*	7E-07	*(4E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	3E-06	*(2E-06, 4E-06)*	8E-06	*(4E-06, 1E-05)*	0.52	*(0.28, 0.99)*
	12-19	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 9E-08)*	3E-07	*(1E-07, 4E-07)*	6E-07	*(4E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	0.17	*(0.08, 0.38)*
	20 +	3E-09	*(1E-09, 8E-09)*	3E-08	*(1E-08, 5E-08)*	2E-07	*(8E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	7E-07	*(4E-07, 9E-07)*	2E-06	*(8E-07, 2E-06)*	0.06	*(0.03, 0.14)*
MACT Floor															
	0-5	1E-08	*(6E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	7E-07	*(3E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	8E-06	*(5E-06, 1E-05)*	0.71	*(0.42, 1.21)*
	6-11	1E-08	*(6E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	6E-07	*(3E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	8E-06	*(5E-06, 9E-06)*	0.50	*(0.25, 0.97)*
	12-19	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 9E-08)*	3E-07	*(1E-07, 4E-07)*	6E-07	*(4E-07, 1E-06)*	1E-06	*(6E-07, 2E-06)*	3E-06	*	0.16	*(0.07, 0.38)*
	20 +	3E-09	*(1E-09, 8E-09)*	3E-08	*(1E-08, 5E-08)*	1E-07	*(7E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	6E-07	*(3E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	0.06	*(0.02, 0.14)*
MACT BTF															
	0-5	6E-09	*(4E-09, 9E-09)*	3E-08	*(2E-08, 3E-08)*	9E-08	*(7E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	0.00	*(0.00, 0.01)*
	6-11	6E-09	*(4E-09, 8E-09)*	2E-08	*(2E-08, 3E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 6E-07)*	0.00	*(0.00, 0.00)*
	12-19	3E-09	*(2E-09, 4E-09)*	1E-08	*(8E-09, 1E-08)*	4E-08	*(3E-08, 4E-08)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(8E-08, 1E-07)*	3E-07	*(1E-07, 3E-07)*		-
	20 +	1E-09	*(9E-10, 2E-09)*	6E-09	*(4E-09, 8E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	6E-08	*(4E-08, 8E-08)*	1E-07	*		-
MACT Standard															
	0-5	8E-09	*(5E-09, 1E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(8E-07, 1E-06)*	0.01	*(0.01, 0.02)*
	6-11	8E-09	*(5E-09, 1E-08)*	3E-08	*(3E-08, 5E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	8E-07	*(7E-07, 1E-06)*	0.01	*(0.00, 0.02)*
	12-19	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 8E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 4E-07)*	0.00	*(0.00, 0.00)*
	20 +	2E-09	*(1E-09, 3E-09)*	8E-09	*(6E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 8E-08)*	8E-08	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B18. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Area Source Incinerators

Compound: TCDD-TEQ																	
		Percentile of Risk Distribution															
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline																	
	0-5	2E-08	*(3E-09, 1E-07)*	2E-07	*(2E-08, 7E-07)*	1E-06	*(1E-07, 3E-06)*	3E-06	*(3E-07, 5E-06)*	5E-06	*(7E-07, 8E-06)*	**1E-05**	***(3E-06, 2E-05)***	1.12	*(0.49, 2.51)*
	6-11	2E-08	*(3E-09, 1E-07)*	2E-07	*(2E-08, 6E-07)*	1E-06	*(1E-07, 2E-06)*	3E-06	*(4E-07, 4E-06)*	4E-06	*(9E-07, 7E-06)*	9E-06	*	0.74	*(0.34, 1.58)*
	12-19	6E-09	*(1E-09, 4E-08)*	7E-08	*(8E-09, 2E-07)*	4E-07	*(5E-08, 8E-07)*	8E-07	*(1E-07, 2E-06)*	1E-06	*(3E-07, 3E-06)*	3E-06	*(8E-07, 5E-06)*	0.20	*(0.09, 0.44)*
	20 +	4E-09	*(8E-10, 3E-08)*	5E-08	*(5E-09, 2E-07)*	3E-07	*(3E-08, 5E-07)*	7E-07	*(9E-08, 1E-06)*	1E-06	*(2E-07, 2E-06)*	2E-06	*	0.09	*(0.04, 0.20)*
MACT Floor																	
	0-5	1E-08	*(3E-09, 1E-07)*	2E-07	*(2E-08, 6E-07)*	1E-06	*(9E-08, 2E-06)*	2E-06	*(2E-07, 5E-06)*	4E-06	*(4E-07, 7E-06)*	1E-05	*(1E-06, 1E-05)*	1.01	*(0.41, 2.47)*
	6-11	1E-08	*(3E-09, 1E-07)*	2E-07	*(2E-08, 5E-07)*	9E-07	*(1E-07, 2E-06)*	2E-06	*(3E-07, 5E-06)*	4E-06	*(5E-07, 7E-06)*	9E-06	*(1E-06, 1E-05)*	0.67	*(0.29, 1.56)*
	12-19	6E-09	*(1E-09, 3E-08)*	5E-08	*(8E-09, 2E-07)*	3E-07	*(3E-08, 8E-07)*	8E-07	*(9E-08, 2E-06)*	1E-06	*(1E-07, 3E-06)*	3E-06	*(4E-07, 5E-06)*	0.18	*(0.07, 0.44)*
	20 +	3E-09	*(8E-10, 3E-08)*	4E-08	*(4E-09, 2E-07)*	2E-07	*(2E-08, 5E-07)*	5E-07	*(5E-08, 1E-06)*	8E-07	*(9E-08, 2E-06)*	2E-06	*(3E-07, 3E-06)*	0.08	*(0.03, 0.20)*
MACT BTF																	
	0-5	7E-09	*(3E-09, 2E-08)*	3E-08	*(1E-08, 6E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 9E-07)*	0.01	*(0.00, 0.02)*
	6-11	6E-09	*(3E-09, 1E-08)*	3E-08	*(1E-08, 4E-08)*	8E-08	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 7E-07)*	0.01	*(0.00, 0.02)*
	12-19	3E-09	*(1E-09, 6E-09)*	1E-08	*(5E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*		-
	20 +	2E-09	*(7E-10, 3E-09)*	6E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(2E-08, 6E-08)*	7E-08	*(4E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*		-
MACT Standard																	
	0-5	1E-08	*(3E-09, 2E-08)*	4E-08	*(2E-08, 9E-08)*	2E-07	*(7E-08, 3E-07)*	3E-07	*(2E-07, 6E-07)*	6E-07	*(2E-07, 8E-07)*	1E-06	*	0.03	*(0.01, 0.07)*
	6-11	1E-08	*(3E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	2E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 7E-07)*	1E-06	*	0.03	*(0.01, 0.06)*
	12-19	4E-09	*(1E-09, 9E-09)*	2E-08	*(6E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	0.00	*(0.00, 0.01)*
	20 +	2E-09	*(7E-10, 5E-09)*	9E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(2E-07, 3E-07)*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B19. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Commercial Incinerators With WHB Included

Compound: TCDD-TEQ																	
		Percentile of Risk Distribution															
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline																	
	0-5	2E-08	*(4E-09, 2E-07)*	2E-07	*(2E-08, 8E-07)*	1E-06	*(2E-07, 3E-06)*	3E-06	*(6E-07, 5E-06)*	5E-06	*(1E-06, 8E-06)*	**1E-05**	***(4E-06, 2E-05)***	1.23	*(0.59, 2.56)*
	6-11	3E-08	*(4E-09, 1E-07)*	3E-07	*(3E-08, 7E-07)*	1E-06	*(2E-07, 2E-06)*	3E-06	*(6E-07, 5E-06)*	4E-06	*(1E-06, 7E-06)*	9E-06	*	0.82	*(0.41, 1.63)*
	12-19	8E-09	*(2E-09, 5E-08)*	9E-08	*(1E-08, 3E-07)*	4E-07	*(8E-08, 8E-07)*	1E-06	*(2E-07, 2E-06)*	2E-06	*(4E-07, 3E-06)*	4E-06	*(1E-06, 5E-06)*	0.21	*(0.10, 0.46)*
	20 +	5E-09	*(9E-10, 4E-08)*	6E-08	*(6E-09, 2E-07)*	3E-07	*(5E-08, 6E-07)*	7E-07	*(1E-07, 1E-06)*	1E-06	*(3E-07, 2E-06)*	3E-06	*	0.09	*(0.04, 0.20)*
MACT Floor																	
	0-5	2E-08	*(4E-09, 1E-07)*	2E-07	*(2E-08, 7E-07)*	1E-06	*(1E-07, 2E-06)*	2E-06	*(3E-07, 6E-06)*	4E-06	*(6E-07, 8E-06)*	**1E-05**	***(2E-06, 1E-05)***	1.06	*(0.46, 2.46)*
	6-11	2E-08	*(4E-09, 1E-07)*	2E-07	*(3E-08, 6E-07)*	1E-06	*(1E-07, 2E-06)*	3E-06	*(3E-07, 5E-06)*	4E-06	*(6E-07, 7E-06)*	9E-06	*	0.72	*(0.32, 1.58)*
	12-19	7E-09	*(2E-09, 4E-08)*	7E-08	*(1E-08, 2E-07)*	4E-07	*(4E-08, 8E-07)*	8E-07	*(1E-07, 2E-06)*	1E-06	*(2E-07, 3E-06)*	3E-06	*(7E-07, 5E-06)*	0.19	*(0.08, 0.44)*
	20 +	4E-09	*(9E-10, 3E-08)*	5E-08	*(5E-09, 2E-07)*	3E-07	*(3E-08, 5E-07)*	5E-07	*(8E-08, 1E-06)*	9E-07	*(2E-07, 2E-06)*	2E-06	*(5E-07, 3E-06)*	0.08	*(0.04, 0.20)*
MACT BTF																	
	0-5	8E-09	*(3E-09, 2E-08)*	3E-08	*(2E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*(4E-07, 9E-07)*	0.01	*(0.00, 0.02)*
	6-11	8E-09	*(3E-09, 1E-08)*	3E-08	*(1E-08, 5E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*	0.01	*(0.00, 0.02)*
	12-19	3E-09	*(1E-09, 6E-09)*	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	9E-08	*(5E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*		-
	20 +	2E-09	*(8E-10, 3E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(3E-08, 7E-08)*	7E-08	*(5E-08, 8E-08)*	2E-07	*(8E-08, 2E-07)*		-
MACT Standard																	
	0-5	1E-08	*(3E-09, 3E-08)*	5E-08	*(2E-08, 1E-07)*	2E-07	*(8E-08, 3E-07)*	4E-07	*(2E-07, 6E-07)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(8E-07, 2E-06)*	0.03	*(0.02, 0.07)*
	6-11	1E-08	*(4E-09, 2E-08)*	5E-08	*(2E-08, 9E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(2E-07, 5E-07)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(7E-07, 2E-06)*	0.03	*(0.01, 0.06)*
	12-19	5E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 4E-08)*	8E-08	*(3E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	0.00	*(0.00, 0.01)*
	20 +	3E-09	*(9E-10, 6E-09)*	1E-08	*(4E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B20. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Large Onsite Incinerators With WHB Included

Compound: TCDD-TEQ																	
		Percentile of Risk Distribution															
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline																	
	0-5	2E-08	*(1E-08, 4E-08)*	1E-07	*(5E-08, 2E-07)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	5E-06	*(4E-06, 8E-06)*	0.53	*(0.34, 0.83)*
	6-11	2E-08	*(9E-09, 4E-08)*	1E-07	*(4E-08, 2E-07)*	5E-07	*(2E-07, 8E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	6E-06	*	0.16	*(0.09, 0.26)*
	12-19	8E-09	*(5E-09, 2E-08)*	5E-08	*(2E-08, 9E-08)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(3E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	3E-06	*	0.04	*(0.02, 0.08)*
	20 +	4E-09	*(3E-09, 8E-09)*	2E-08	*(1E-08, 4E-08)*	9E-08	*(4E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(2E-07, 5E-07)*	8E-07	*	0.00	*(0.00, 0.02)*
MACT Floor																	
	0-5	2E-08	*(1E-08, 4E-08)*	1E-07	*(5E-08, 2E-07)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	5E-06	*(4E-06, 8E-06)*	0.53	*(0.34, 0.83)*
	6-11	2E-08	*(9E-09, 4E-08)*	1E-07	*(4E-08, 2E-07)*	5E-07	*(2E-07, 8E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	6E-06	*	0.16	*(0.09, 0.26)*
	12-19	8E-09	*(5E-09, 2E-08)*	5E-08	*(2E-08, 9E-08)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(3E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	3E-06	*	0.04	*(0.02, 0.08)*
	20 +	4E-09	*(3E-09, 8E-09)*	2E-08	*(1E-08, 4E-08)*	9E-08	*(4E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(2E-07, 5E-07)*	8E-07	*	0.00	*(0.00, 0.02)*
MACT BTF																	
	0-5	1E-08	*(8E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*	0.00	*(0.00, 0.00)*
	6-11	1E-08	*(7E-09, 1E-08)*	3E-08	*(2E-08, 5E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*		-
	12-19	5E-09	*(3E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(3E-08, 8E-08)*	1E-07	*(6E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	3E-07	*		-
	20 +	3E-09	*(2E-09, 4E-09)*	1E-08	*(6E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	8E-08	*(4E-08, 1E-07)*	2E-07	*(8E-08, 2E-07)*		-
MACT Standard																	
	0-5	2E-08	*(9E-09, 3E-08)*	6E-08	*(3E-08, 9E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	5E-07	*(3E-07, 9E-07)*	1E-06	*	0.00	*(0.00, 0.00)*
	6-11	1E-08	*(8E-09, 2E-08)*	5E-08	*(3E-08, 7E-08)*	1E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	4E-07	*(3E-07, 7E-07)*	8E-07	*	0.00	*(0.00, 0.00)*
	12-19	6E-09	*(4E-09, 1E-08)*	2E-08	*(1E-08, 4E-08)*	7E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*		-
	20 +	3E-09	*(2E-09, 5E-09)*	1E-08	*(8E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(2E-07, 3E-07)*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B21. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Small Onsite Incinerators With WHB Included

Compound: TCDD-TEQ																	
		Percentile of Risk Distribution															
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline																	
	0-5	4E-09	*(1E-10, 4E-08)*	8E-08	*(5E-09, 3E-07)*	5E-07	*(7E-08, 1E-06)*	1E-06	*(3E-07, 2E-06)*	2E-06	*(7E-07, 4E-06)*	7E-06	*	0.66	*(0.20, 2.11)*
	6-11	5E-09	*(2E-10, 4E-08)*	9E-08	*(8E-09, 3E-07)*	6E-07	*(9E-08, 1E-06)*	1E-06	*(4E-07, 3E-06)*	3E-06	*(8E-07, 4E-06)*	8E-06	*(3E-06, 1E-04)*	0.72	*(0.22, 2.28)*
	12-19	3E-09	*(1E-10, 2E-08)*	4E-08	*(4E-09, 1E-07)*	3E-07	*(4E-08, 5E-07)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	3E-06	*	0.28	*(0.08, 1.01)*
	20 +	1E-09	*(5E-11, 1E-08)*	2E-08	*(2E-09, 7E-08)*	1E-07	*(2E-08, 3E-07)*	3E-07	*(9E-08, 7E-07)*	7E-07	*(2E-07, 1E-06)*	2E-06	*	0.10	*(0.03, 0.37)*
MACT Floor																	
	0-5	4E-09	*(1E-10, 4E-08)*	8E-08	*(5E-09, 3E-07)*	5E-07	*(7E-08, 1E-06)*	1E-06	*(3E-07, 2E-06)*	2E-06	*(7E-07, 4E-06)*	7E-06	*	0.66	*(0.20, 2.11)*
	6-11	5E-09	*(2E-10, 4E-08)*	9E-08	*(8E-09, 3E-07)*	6E-07	*(9E-08, 1E-06)*	1E-06	*(4E-07, 3E-06)*	3E-06	*(8E-07, 4E-06)*	8E-06	*(3E-06, 1E-04)*	0.72	*(0.22, 2.28)*
	12-19	3E-09	*(1E-10, 2E-08)*	4E-08	*(4E-09, 1E-07)*	3E-07	*(4E-08, 5E-07)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	3E-06	*	0.28	*(0.08, 1.01)*
	20 +	1E-09	*(5E-11, 1E-08)*	2E-08	*(2E-09, 7E-08)*	1E-07	*(2E-08, 3E-07)*	3E-07	*(9E-08, 7E-07)*	7E-07	*(2E-07, 1E-06)*	2E-06	*	0.10	*(0.03, 0.37)*
MACT BTF																	
	0-5	1E-09	*(1E-10, 4E-09)*	9E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(5E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	0.00	*(0.00, 0.00)*
	6-11	2E-09	*(2E-10, 4E-09)*	1E-08	*(4E-09, 2E-08)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(5E-08, 1E-07)*	1E-07	*(8E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*	0.00	*(0.00, 0.00)*
	12-19	8E-10	*(1E-10, 2E-09)*	4E-09	*(2E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*		-
	20 +	4E-10	*(4E-11, 9E-10)*	2E-09	*(8E-10, 4E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*		-
MACT Standard																	
	0-5	2E-09	*(1E-10, 7E-09)*	2E-08	*(4E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(2E-07, 8E-07)*	0.01	*(0.00, 0.03)*
	6-11	2E-09	*(2E-10, 6E-09)*	1E-08	*(5E-09, 3E-08)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 8E-07)*	0.01	*(0.00, 0.02)*
	12-19	1E-09	*(1E-10, 3E-09)*	6E-09	*(3E-09, 1E-08)*	3E-08	*(1E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	8E-08	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	0.00	*(0.00, 0.00)*
	20 +	5E-10	*(5E-11, 2E-09)*	4E-09	*(1E-09, 7E-09)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 7E-08)*	1E-07	*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B22. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: WHB

Compound: TCDD-TEQ																	
		Percentile of Risk Distribution															
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline																	
	0-5	3E-07	*(2E-07, 4E-07)*	1E-06	*(7E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(4E-06, 9E-06)*	9E-06	*(5E-06, 1E-05)*	**2E-05**	***(1E-05, 2E-05)***	2.57	*(1.51, 4.36)*
	6-11	3E-07	*(2E-07, 4E-07)*	9E-07	*(6E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(3E-06, 8E-06)*	8E-06	*(5E-06, 1E-05)*	**1E-05**	***(8E-06, 4E-05)***	1.68	*(0.89, 3.16)*
	12-19	1E-07	*(7E-08, 2E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(2E-06, 4E-06)*	7E-06	*(4E-06, 2E-05)*	0.57	*(0.25, 1.34)*
	20 +	6E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 3E-07)*	7E-07	*(4E-07, 8E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	4E-06	*	0.21	*(0.08, 0.50)*
MACT Floor																	
	0-5	3E-07	*(2E-07, 4E-07)*	1E-06	*(7E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(4E-06, 9E-06)*	9E-06	*(5E-06, 1E-05)*	**2E-05**	***(1E-05, 2E-05)***	2.57	*(1.51, 4.36)*
	6-11	3E-07	*(2E-07, 4E-07)*	9E-07	*(6E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(3E-06, 8E-06)*	8E-06	*(5E-06, 1E-05)*	**1E-05**	***(8E-06, 4E-05)***	1.68	*(0.89, 3.16)*
	12-19	1E-07	*(7E-08, 2E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(2E-06, 4E-06)*	7E-06	*(4E-06, 2E-05)*	0.57	*(0.25, 1.34)*
	20 +	6E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 3E-07)*	7E-07	*(4E-07, 8E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	4E-06	*	0.21	*(0.08, 0.50)*
MACT BTF																	
	0-5	1E-08	*(8E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 9E-07)*	0.01	*(0.00, 0.02)*
	6-11	1E-08	*(7E-09, 1E-08)*	3E-08	*(2E-08, 5E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 3E-07)*	6E-07	*(4E-07, 8E-07)*	0.01	*(0.00, 0.01)*
	12-19	5E-09	*(3E-09, 6E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 6E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*(7E-08, 1E-07)*	2E-07	*(1E-07, 4E-07)*		-
	20 +	3E-09	*(2E-09, 4E-09)*	8E-09	*(5E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(3E-08, 7E-08)*	8E-08	*(4E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*		-
MACT Standard																	
	0-5	2E-08	*(2E-08, 4E-08)*	8E-08	*(6E-08, 1E-07)*	2E-07	*(2E-07, 4E-07)*	5E-07	*(3E-07, 7E-07)*	8E-07	*(5E-07, 8E-07)*	1E-06	*(8E-07, 2E-06)*	0.04	*(0.02, 0.07)*
	6-11	2E-08	*(2E-08, 3E-08)*	8E-08	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(4E-07, 7E-07)*	1E-06	*(7E-07, 1E-06)*	0.03	*(0.02, 0.06)*
	12-19	1E-08	*(6E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 7E-07)*	0.00	*(0.00, 0.01)*
	20 +	5E-09	*(3E-09, 8E-09)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(3E-08, 8E-08)*	8E-08	*(5E-08, 2E-07)*	2E-07	*(8E-08, 2E-07)*	2E-07	*(2E-07, 4E-07)*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B23. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: All Incinerators Without WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	4E-09	*(2E-09, 8E-09)*	2E-08	*(1E-08, 4E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 7E-07)*	1E-06	*(6E-07, 2E-06)*	0.06	*(0.03, 0.13)*
	6-11	4E-09	*(2E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(5E-07, 2E-06)*	0.04	*(0.02, 0.09)*
	12-19	2E-09	*(1E-09, 3E-09)*	1E-08	*(6E-09, 2E-08)*	4E-08	*(3E-08, 7E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	4E-07	*	0.01	*(0.00, 0.02)*
	20 +	1E-09	*(5E-10, 2E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*(1E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	8E-08	*(5E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	0.00	*(0.00, 0.00)*
MACT Floor															
	0-5	4E-09	*(2E-09, 8E-09)*	2E-08	*(1E-08, 4E-08)*	1E-07	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 5E-07)*	9E-07	*(5E-07, 1E-06)*	0.00	*(0.00, 0.01)*
	6-11	4E-09	*(2E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	8E-08	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 1E-06)*	0.00	*(0.00, 0.00)*
	12-19	2E-09	*(1E-09, 3E-09)*	1E-08	*(6E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*	8E-08	*(5E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	4E-07	*(2E-07, 4E-07)*	0.00	*(0.00, 0.00)*
	20 +	1E-09	*(5E-10, 2E-09)*	5E-09	*(3E-09, 8E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 6E-08)*	7E-08	*(4E-08, 9E-08)*	2E-07	*(8E-08, 2E-07)*		-
MACT BTF															
	0-5	4E-09	*(2E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 1E-07)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(4E-07, 7E-07)*	0.00	*(0.00, 0.00)*
	6-11	4E-09	*(2E-09, 6E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(4E-08, 9E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	0.00	*(0.00, 0.00)*
	12-19	2E-09	*(1E-09, 3E-09)*	9E-09	*(6E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(4E-08, 9E-08)*	1E-07	*(6E-08, 1E-07)*	3E-07	*		-
	20 +	9E-10	*(4E-10, 2E-09)*	5E-09	*(3E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	2E-07	*		-
MACT Standard															
	0-5	4E-09	*(2E-09, 8E-09)*	2E-08	*(1E-08, 4E-08)*	1E-07	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 5E-07)*	9E-07	*(5E-07, 1E-06)*	0.00	*(0.00, 0.01)*
	6-11	4E-09	*(2E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	8E-08	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 1E-06)*	0.00	*(0.00, 0.00)*
	12-19	2E-09	*(1E-09, 3E-09)*	1E-08	*(6E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*	8E-08	*(5E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	4E-07	*(2E-07, 4E-07)*	0.00	*(0.00, 0.00)*
	20 +	1E-09	*(5E-10, 2E-09)*	5E-09	*(3E-09, 8E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 6E-08)*	7E-08	*(4E-08, 9E-08)*	2E-07	*(8E-08, 2E-07)*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B24. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Commercial Incinerators Without WHB Included

Compound: TCDD-TEQ																	
		Percentile of Risk Distribution															
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline																	
	0-5	6E-09	*(2E-09, 2E-08)*	3E-08	*(9E-09, 8E-08)*	2E-07	*(4E-08, 5E-07)*	6E-07	*(9E-08, 1E-06)*	1E-06	*(2E-07, 2E-06)*	3E-06	*	0.25	*(0.09, 0.64)*
	6-11	6E-09	*(2E-09, 2E-08)*	3E-08	*(8E-09, 8E-08)*	2E-07	*(4E-08, 5E-07)*	5E-07	*(9E-08, 1E-06)*	1E-06	*(1E-07, 2E-06)*	3E-06	*	0.15	*(0.06, 0.40)*
	12-19	3E-09	*(9E-10, 6E-09)*	1E-08	*(4E-09, 3E-08)*	8E-08	*(2E-08, 2E-07)*	2E-07	*(4E-08, 4E-07)*	4E-07	*(9E-08, 8E-07)*	1E-06	*	0.04	*(0.01, 0.10)*
	20 +	1E-09	*(5E-10, 3E-09)*	7E-09	*(2E-09, 2E-08)*	5E-08	*(8E-09, 1E-07)*	1E-07	*(2E-08, 3E-07)*	3E-07	*(4E-08, 5E-07)*	8E-07	*(9E-08, 1E-06)*	0.01	*(0.00, 0.02)*
MACT Floor																	
	0-5	5E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 5E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*	0.01	*(0.00, 0.02)*
	6-11	5E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 5E-08)*	9E-08	*(3E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(3E-07, 1E-06)*	0.00	*(0.00, 0.01)*
	12-19	2E-09	*(9E-10, 6E-09)*	1E-08	*(4E-09, 2E-08)*	4E-08	*(1E-08, 8E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-07	*(1E-07, 5E-07)*	0.00	*(0.00, 0.00)*
	20 +	1E-09	*(4E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*(7E-09, 4E-08)*	5E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 3E-07)*		-
MACT BTF																	
	0-5	5E-09	*(2E-09, 1E-08)*	2E-08	*(7E-09, 4E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(2E-07, 7E-07)*	0.00	*(0.00, 0.00)*
	6-11	4E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 4E-08)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	3E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 6E-07)*	0.00	*(0.00, 0.00)*
	12-19	2E-09	*(9E-10, 5E-09)*	9E-09	*(4E-09, 2E-08)*	3E-08	*(1E-08, 5E-08)*	6E-08	*(3E-08, 9E-08)*	9E-08	*(5E-08, 1E-07)*	3E-07	*		-
	20 +	1E-09	*(4E-10, 3E-09)*	5E-09	*(2E-09, 8E-09)*	2E-08	*(6E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	5E-08	*(2E-08, 7E-08)*	1E-07	*		-
MACT Standard																	
	0-5	5E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 5E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*	0.01	*(0.00, 0.02)*
	6-11	5E-09	*(2E-09, 1E-08)*	2E-08	*(8E-09, 5E-08)*	9E-08	*(3E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(3E-07, 1E-06)*	0.00	*(0.00, 0.01)*
	12-19	2E-09	*(9E-10, 6E-09)*	1E-08	*(4E-09, 2E-08)*	4E-08	*(1E-08, 8E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-07	*(1E-07, 5E-07)*	0.00	*(0.00, 0.00)*
	20 +	1E-09	*(4E-10, 3E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*(7E-09, 4E-08)*	5E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 3E-07)*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B25. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Large Onsite Incinerators Without WHB Included

Compound: TCDD-TEQ															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	1E-08	*(7E-09, 2E-08)*	5E-08	*(2E-08, 8E-08)*	1E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	5E-07	*(2E-07, 9E-07)*	1E-06	*	0.00	*(0.00, 0.00)*
	6-11	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(1E-07, 6E-07)*	8E-07	*	0.00	*(0.00, 0.00)*
	12-19	5E-09	*(3E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(7E-08, 4E-07)*	4E-07	*		-
	20 +	3E-09	*(2E-09, 5E-09)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(2E-08, 5E-08)*	7E-08	*(3E-08, 9E-08)*	9E-08	*(4E-08, 2E-07)*	2E-07	*		-
MACT Floor															
	0-5	1E-08	*(7E-09, 2E-08)*	5E-08	*(2E-08, 8E-08)*	1E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	5E-07	*(2E-07, 9E-07)*	1E-06	*	0.00	*(0.00, 0.00)*
	6-11	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(1E-07, 6E-07)*	8E-07	*	0.00	*(0.00, 0.00)*
	12-19	5E-09	*(3E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(7E-08, 4E-07)*	4E-07	*		-
	20 +	3E-09	*(2E-09, 5E-09)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(2E-08, 5E-08)*	7E-08	*(3E-08, 9E-08)*	9E-08	*(4E-08, 2E-07)*	2E-07	*		-
MACT BTF															
	0-5	1E-08	*(7E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 6E-07)*	7E-07	*	0.00	*(0.00, 0.00)*
	6-11	9E-09	*(6E-09, 1E-08)*	3E-08	*(2E-08, 5E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(1E-07, 4E-07)*	6E-07	*		-
	12-19	5E-09	*(3E-09, 7E-09)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(3E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*	1E-07	*(7E-08, 3E-07)*	3E-07	*		-
	20 +	3E-09	*(2E-09, 4E-09)*	9E-09	*(5E-09, 2E-08)*	3E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	8E-08	*(4E-08, 2E-07)*	2E-07	*(8E-08, 2E-07)*		-
MACT Standard															
	0-5	1E-08	*(7E-09, 2E-08)*	5E-08	*(2E-08, 8E-08)*	1E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	5E-07	*(2E-07, 9E-07)*	1E-06	*	0.00	*(0.00, 0.00)*
	6-11	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(1E-07, 6E-07)*	8E-07	*	0.00	*(0.00, 0.00)*
	12-19	5E-09	*(3E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(7E-08, 4E-07)*	4E-07	*		-
	20 +	3E-09	*(2E-09, 5E-09)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(2E-08, 5E-08)*	7E-08	*(3E-08, 9E-08)*	9E-08	*(4E-08, 2E-07)*	2E-07	*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table I-B26. Summary of Dairy Farmer Individual Risks Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Small Onsite Incinerators Without WHB Included

Compound: TCDD-TEQ														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	2E-10	*(5E-11, 1E-09)*	2E-09	*(2E-10, 9E-09)*	2E-08	*(2E-09, 4E-08)*	4E-08	*(7E-09, 8E-08)*	7E-08	*(2E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	-
	6-11	2E-10	*(5E-11, 2E-09)*	3E-09	*(3E-10, 8E-09)*	2E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 7E-08)*	7E-08	*(2E-08, 1E-07)*	1E-07	*	-
	12-19	1E-10	*(2E-11, 8E-10)*	1E-09	*(1E-10, 4E-09)*	8E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	8E-08	*	-
	20 +	4E-11	*(1E-11, 3E-10)*	6E-10	*(6E-11, 2E-09)*	4E-09	*(5E-10, 8E-09)*	8E-09	*(2E-09, 2E-08)*	2E-08	*(4E-09, 2E-08)*	4E-08	*	-
MACT Floor														
	0-5	2E-10	*(5E-11, 1E-09)*	2E-09	*(2E-10, 9E-09)*	2E-08	*(2E-09, 4E-08)*	4E-08	*(7E-09, 8E-08)*	7E-08	*(2E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	-
	6-11	2E-10	*(5E-11, 2E-09)*	3E-09	*(3E-10, 8E-09)*	2E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 7E-08)*	7E-08	*(2E-08, 1E-07)*	1E-07	*	-
	12-19	1E-10	*(2E-11, 8E-10)*	1E-09	*(1E-10, 4E-09)*	8E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	8E-08	*	-
	20 +	4E-11	*(1E-11, 3E-10)*	6E-10	*(6E-11, 2E-09)*	4E-09	*(5E-10, 8E-09)*	8E-09	*(2E-09, 2E-08)*	2E-08	*(4E-09, 2E-08)*	4E-08	*	-
MACT BTF														
	0-5	2E-10	*(5E-11, 1E-09)*	2E-09	*(2E-10, 9E-09)*	2E-08	*(2E-09, 4E-08)*	4E-08	*(7E-09, 8E-08)*	7E-08	*(2E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	-
	6-11	2E-10	*(5E-11, 2E-09)*	3E-09	*(3E-10, 8E-09)*	2E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 7E-08)*	7E-08	*(2E-08, 1E-07)*	1E-07	*	-
	12-19	1E-10	*(2E-11, 8E-10)*	1E-09	*(1E-10, 4E-09)*	8E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(3E-08, 1E-07)*	-
	20 +	4E-11	*(1E-11, 3E-10)*	6E-10	*(6E-11, 2E-09)*	4E-09	*(5E-10, 8E-09)*	8E-09	*(2E-09, 2E-08)*	2E-08	*(4E-09, 2E-08)*	4E-08	*	-
MACT Standard														
	0-5	2E-10	*(5E-11, 1E-09)*	2E-09	*(2E-10, 9E-09)*	2E-08	*(2E-09, 4E-08)*	4E-08	*(7E-09, 8E-08)*	7E-08	*(2E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	-
	6-11	2E-10	*(5E-11, 2E-09)*	3E-09	*(3E-10, 8E-09)*	2E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 7E-08)*	7E-08	*(2E-08, 1E-07)*	1E-07	*	-
	12-19	1E-10	*(2E-11, 8E-10)*	1E-09	*(1E-10, 4E-09)*	8E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 5E-08)*	8E-08	*	-
	20 +	4E-11	*(1E-11, 3E-10)*	6E-10	*(6E-11, 2E-09)*	4E-09	*(5E-10, 8E-09)*	8E-09	*(2E-09, 2E-08)*	2E-08	*(4E-09, 2E-08)*	4E-08	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Section II. Population Results

This section contains primarily **annualized** population risk results for (1) statistical cancer incidence for the general population resulting from the ingestion of agricultural commodities containing dioxin; (2) inhalation of particulate matter; (3) local population cancer incidence resulting from direct and indirect exposure to dioxin; and (4) lead exposure in children (0-5 years of age).

- Table II-A1: summary of annual statistical cancer incidence for the general population resulting from the ingestion of dioxin contained in locally produced beef, pork, and dairy with 90 percent confidence intervals reflecting sampling error. Information is presented for Baseline and all MACT options evaluated in the HWC risk analysis.

- Tables II-B1 and II-B2: annualized health effects attributed to annual PM_{10} and $PM_{2.5}$ including long-and short-term excess mortality and excess hospital admissions per year. Results are presented for the Baseline and all MACT options considered in the HWC risk analysis. Confidence intervals reflecting sampling error were not generated for this set of results. Because dioxin is not specifically considered in the PM analysis, waste heat boilers are not broken out as a separate combustor category.

- Tables II-D1 through II-D65: summary of annual cancer incidence (direct and indirect for nonsubsistence receptor populations within study areas excluding recreational fishers). These results include 90 percent confidence intervals reflecting sampling error. Tables II-D1 through II-D13 contain summary information for each constituent across all age groups; Tables II-D14 through II-D65 contain information for each constituent for each age group, i.e., 0-5, 6-11, 12-19, and 20+ years. Results are provided for Baseline and for all MACT options. Because dioxin is a constituent of interest, results are presented for waste heat boilers as a separate combustor category.

- Tables II-E1 through II-E8: results for blood lead level analysis in children (0-5 years of age) of residents, home gardeners, beef farmers, dairy farmers, pork farmers, and produce farmers located within study areas. **Lifetime** exceedance estimates for incremental, background, and total lead exposure are presented for Baseline and all MACT options. Because dioxin is not a constituent of interest in this analysis, results are not presented for waste heat boilers as a separate combustor category.

- Tables II-F1 through II-F8: these tables present **annual** exceedance estimates for incremental, background, and total lead exposure for Baseline and all three MACT options. Because dioxin is not a constituent of interest in this analysis, results are not presented for waste heat boilers as a separate combustor category.

Because modeled risk results for lightweight aggregate kilns are based modeling of all facilities, there is no sampling error and confidence intervals were not generated. In addition, there are only two area source cement kilns in the facility population and both were sampled and modeled. Accordingly, no sampling error exists and no confidence intervals were generated.

Table II-A1. Annual Statistical Cancer Incidence for the General Population Resulting from Ingestion of 2, 3, 7, 8-TCDD-TEQ Contained in Locally Produced Beef, Pork, and Dairy with 90 Percent Confidence Intervals

Baseline Emissions								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	6E-03	(5E-03, 7E-03)	4E-03	(4E-03, 5E-03)	6E-02	(5E-02, 8E-02)	7E-02	(6E-02, 9E-02)
Lightweight Aggregate Kilns[a]	5E-03	n/a	2E-03	n/a	1E-01	n/a	1E-01	n/a
All Incinerators Excl. WHB	7E-03	(4E-03, 1E-02)	4E-03	(2E-03, 8E-03)	5E-02	(3E-02, 9E-02)	6E-02	(4E-02, 1E-01)
Waste Heat Boilers	2E-02	(1E-02, 3E-02)	6E-03	(3E-03, 1E-02)	2E-01	(1E-01, 3E-01)	2E-01	(1E-01, 4E-01)
Total	4E-02	(3E-02, 5E-02)	2E-02	(1E-02, 2E-02)	4E-01	(3E-01, 5E-01)	5E-01	(4E-01, 6E-01)
Area Source - Cement Kilns[b]	1E-03	(1E-03, 1E-03)	1E-03	(1E-03, 1E-03)	1E-02	(1E-02, 1E-02)	2E-02	(2E-02, 2E-02)
Area Source - Incinerators	1E-02	(6E-03, 2E-02)	6E-03	(3E-03, 1E-02)	1E-01	(5E-02, 2E-01)	1E-01	(6E-02, 3E-01)
CINC Excl. WHB	5E-03	(2E-03, 1E-02)	4E-03	(2E-03, 8E-03)	3E-02	(2E-02, 7E-02)	4E-02	(2E-02, 1E-01)
OINC-L Excl. WHB	1E-03	(7E-04, 2E-03)	3E-04	(2E-04, 5E-04)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(9E-04, 5E-03)	3E-03	(1E-03, 7E-03)
MACT Floor								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	5E-03	(4E-03, 5E-03)	3E-03	(3E-03, 4E-03)	5E-02	(4E-02, 6E-02)	6E-02	(5E-02, 7E-02)
Lightweight Aggregate Kilns[a]	5E-03	n/a	2E-03	n/a	1E-01	n/a	1E-01	n/a
All Incinerators Excl. WHB	3E-03	(2E-03, 4E-03)	1E-03	(9E-04, 2E-03)	2E-02	(2E-02, 4E-02)	3E-02	(2E-02, 4E-02)
Waste Heat Boilers	2E-02	(1E-02, 3E-02)	6E-03	(3E-03, 1E-02)	2E-01	(1E-01, 3E-01)	2E-01	(1E-01, 4E-01)
Total	3E-02	(2E-02, 4E-02)	1E-02	(9E-03, 2E-02)	4E-01	(3E-01, 5E-01)	4E-01	(3E-01, 5E-01)
Area Source - Cement Kilns[b]	1E-03	(1E-03, 1E-03)	1E-03	(1E-03, 1E-03)	1E-02	(1E-02, 1E-02)	2E-02	(2E-02, 2E-02)
Area Source - Incinerators	9E-03	(3E-03, 2E-02)	4E-03	(2E-03, 1E-02)	9E-02	(4E-02, 2E-01)	1E-01	(4E-02, 3E-01)
CINC Excl. WHB	1E-03	(6E-04, 2E-03)	7E-04	(4E-04, 1E-03)	8E-03	(4E-03, 1E-02)	1E-02	(5E-03, 2E-02)
OINC-L Excl. WHB	1E-03	(7E-04, 2E-03)	3E-04	(2E-04, 5E-04)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(9E-04, 5E-03)	3E-03	(1E-03, 7E-03)
MACT BTF								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	3E-03	(3E-03, 3E-03)	2E-03	(2E-03, 2E-03)	3E-02	(3E-02, 4E-02)	4E-02	(3E-02, 5E-02)
Lightweight Aggregate Kilns[a]	1E-03	n/a	1E-03	n/a	4E-02	n/a	4E-02	n/a
All Incinerators Excl. WHB	2E-03	(1E-03, 2E-03)	9E-04	(6E-04, 1E-03)	2E-02	(1E-02, 2E-02)	2E-02	(1E-02, 3E-02)
Waste Heat Boilers	9E-04	(5E-04, 1E-03)	3E-04	(1E-04, 5E-04)	8E-03	(5E-03, 1E-02)	9E-03	(6E-03, 2E-02)
Total	7E-03	(6E-03, 8E-03)	4E-03	(4E-03, 5E-03)	1E-01	(9E-02, 1E-01)	1E-01	(1E-01, 1E-01)
Area Source - Cement Kilns[b]	7E-04	(7E-04, 7E-04)	8E-04	(8E-04, 8E-04)	8E-03	(8E-03, 8E-03)	9E-03	(9E-03, 9E-03)
Area Source - Incinerators	8E-04	(5E-04, 1E-03)	4E-04	(2E-04, 7E-04)	7E-03	(4E-03, 1E-02)	9E-03	(5E-03, 2E-02)
CINC Excl. WHB	5E-04	(3E-04, 9E-04)	3E-04	(2E-04, 5E-04)	4E-03	(3E-03, 6E-03)	5E-03	(3E-03, 8E-03)
OINC-L Excl. WHB	9E-04	(5E-04, 2E-03)	3E-04	(1E-04, 5E-04)	1E-02	(6E-03, 2E-02)	1E-02	(7E-03, 2E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(8E-04, 5E-03)	3E-03	(1E-03, 7E-03)
MACT Standard								
Combustor Type	**Beef**		**Pork**		**Dairy**		**Total**	
Cement Kilns	5E-03	(4E-03, 5E-03)	3E-03	(3E-03, 4E-03)	5E-02	(4E-02, 6E-02)	6E-02	(5E-02, 7E-02)
Lightweight Aggregate Kilns[a]	2E-03	n/a	1E-03	n/a	4E-02	n/a	4E-02	n/a
All Incinerators Excl. WHB	3E-03	(2E-03, 4E-03)	1E-03	(9E-04, 2E-03)	2E-02	(2E-02, 4E-02)	3E-02	(2E-02, 4E-02)
Waste Heat Boilers	2E-03	(1E-03, 3E-03)	5E-04	(3E-04, 1E-03)	2E-02	(9E-03, 3E-02)	2E-02	(1E-02, 3E-02)
Total	1E-02	(9E-03, 1E-02)	6E-03	(6E-03, 7E-03)	1E-01	(1E-01, 1E-01)	1E-01	(1E-01, 2E-01)
Area Source - Cement Kilns[b]	1E-03	(1E-03, 1E-03)	1E-03	(1E-03, 1E-03)	1E-02	(1E-02, 1E-02)	2E-02	(2E-02, 2E-02)
Area Source - Incinerators	2E-03	(9E-04, 3E-03)	9E-04	(4E-04, 2E-03)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
CINC Excl. WHB	1E-03	(6E-04, 2E-03)	7E-04	(4E-04, 1E-03)	8E-03	(4E-03, 1E-02)	1E-02	(5E-03, 2E-02)
OINC-L Excl. WHB	1E-03	(7E-04, 2E-03)	3E-04	(2E-04, 5E-04)	1E-02	(8E-03, 3E-02)	2E-02	(9E-03, 3E-02)
OINC-S Excl. WHB	3E-04	(1E-04, 8E-04)	4E-04	(1E-04, 9E-04)	2E-03	(9E-04, 5E-03)	3E-03	(1E-03, 7E-03)

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

Table II-B1. Point Estimate Benefits (Avoided Incidence) for PM Emissions: Cement Kilns

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline

Facility Type-CK

Modeled Population= 1088194

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**0.00**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	0.02
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	0.02
Chronic Bronchitis	**Schwartz, 1993b**	**0.15**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**0.02**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	0.02
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.01
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.01
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.01**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.01**
Acute Bronchitis	**Dockery et al., 1989**	**0.13**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**1.18**
Upper Respiratory Symptoms	**Pope et al., 1991**	**0.14**
Any of 19 Acute Symptoms	Krupnick et al., 1990	31.36
Shortness of breath	Ostro et al., 1995	0.22
Work Loss Days	**Ostro, 1987**	**7.62**
MRAD	**Ostro and Rothschild, 1989**	**63.50**
RAD	Ostro, 1987	20.90

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-B2. Point Estimate Benefits (Avoided Incidence) for PM Emissions: Area Source Cement Kilns

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline

Facility Type-Area Source CK

Modeled Population= 41626

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**0.00**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	0.00
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	0.00
Chronic Bronchitis	**Schwartz, 1993b**	**0.00**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**0.00**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	0.00
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.00
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.00
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.00**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.00**
Acute Bronchitis	**Dockery et al., 1989**	**0.00**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**0.00**
Upper Respiratory Symptoms	**Pope et al., 1991**	**0.00**
Any of 19 Acute Symptoms	Krupnick et al., 1990	0.00
Shortness of breath	Ostro et al., 1995	0.00
Work Loss Days	**Ostro, 1987**	**0.00**
MRAD	**Ostro and Rothschild, 1989**	**0.00**
RAD	Ostro, 1987	0.00

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-B3. Point Estimate Benefits (Avoided Incidence) for PM Emissions: Light Weight Aggregate Kilns

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline

Facility Type-LWAK

Modeled Population= 944792

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**0.00**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	0.01
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	0.01
Chronic Bronchitis	**Schwartz, 1993b**	**0.07**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**0.01**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	0.01
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.00
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.00
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.00**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.00**
Acute Bronchitis	**Dockery et al., 1989**	**0.05**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**0.44**
Upper Respiratory Symptoms	**Pope et al., 1991**	**0.05**
Any of 19 Acute Symptoms	Krupnick et al., 1990	16.09
Shortness of breath	Ostro et al., 1995	0.06
Work Loss Days	**Ostro, 1987**	**3.91**
MRAD	**Ostro and Rothschild, 1989**	**32.58**
RAD	Ostro, 1987	10.73

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-B4. Point Estimate Benefits (Avoided Incidence) for PM Emissions: All Incinerators

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline
Facility Type-All Incinerators
Modeled Population= 77237114

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**1.49**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	2.48
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	4.09
Chronic Bronchitis	**Schwartz, 1993b**	**25.15**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**3.96**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	3.34
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	1.20
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	1.02
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.89**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.98**
Acute Bronchitis	**Dockery et al., 1989**	**20.40**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**181.00**
Upper Respiratory Symptoms	**Pope et al., 1991**	**20.99**
Any of 19 Acute Symptoms	Krupnick et al., 1990	5,710.92
Shortness of breath	Ostro et al., 1995	79.48
Work Loss Days	**Ostro, 1987**	**2,106.92**
MRAD	**Ostro and Rothschild, 1989**	**17,551.95**
RAD	Ostro, 1987	5,780.31

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-B5. Point Estimate Benefits (Avoided Incidence) for PM Emissions: Area Source Incinerators

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline

Facility Type-Area Source INC

Modeled Population= 3951983

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**0.01**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	0.04
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	0.06
Chronic Bronchitis	**Schwartz, 1993b**	**0.45**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**0.06**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	0.05
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.02
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.01
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.01**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.01**
Acute Bronchitis	**Dockery et al., 1989**	**0.40**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**3.61**
Upper Respiratory Symptoms	**Pope et al., 1991**	**0.42**
Any of 19 Acute Symptoms	Krupnick et al., 1990	103.70
Shortness of breath	Ostro et al., 1995	1.59
Work Loss Days	**Ostro, 1987**	**33.31**
MRAD	**Ostro and Rothschild, 1989**	**277.61**
RAD	Ostro, 1987	91.39

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-B6. Point Estimate Benefits (Avoided Incidence) for PM Emissions: Commercial Incinerators

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline

Facility Type-CINC

Modeled Population= 5355231

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**0.01**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	0.05
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	0.07
Chronic Bronchitis	**Schwartz, 1993b**	**0.51**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**0.07**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	0.06
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.02
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.02
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.02**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.02**
Acute Bronchitis	**Dockery et al., 1989**	**0.46**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**4.09**
Upper Respiratory Symptoms	**Pope et al., 1991**	**0.47**
Any of 19 Acute Symptoms	Krupnick et al., 1990	116.20
Shortness of breath	Ostro et al., 1995	1.97
Work Loss Days	**Ostro, 1987**	**37.33**
MRAD	**Ostro and Rothschild, 1989**	**311.08**
RAD	Ostro, 1987	102.41

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-B7. Point Estimate Benefits (Avoided Incidence) for PM Emissions: On-Site Incinerators - Large

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline

Facility Type-OINC-Large

Modeled Population= 18848702

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**1.42**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	2.19
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	3.61
Chronic Bronchitis	**Schwartz, 1993b**	**22.05**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**3.48**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	2.97
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	1.07
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.91
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.79**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.88**
Acute Bronchitis	**Dockery et al., 1989**	**17.86**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**158.42**
Upper Respiratory Symptoms	**Pope et al., 1991**	**18.38**
Any of 19 Acute Symptoms	Krupnick et al., 1990	4,990.20
Shortness of breath	Ostro et al., 1995	70.66
Work Loss Days	**Ostro, 1987**	**1,841.54**
MRAD	**Ostro and Rothschild, 1989**	**15,340.16**
RAD	Ostro, 1987	5,052.23

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-B8. Point Estimate Benefits (Avoided Incidence) for PM Emissions: On-Site Incinerators - Small

Point Estimate Benefits - Avoided Incidence

Air Quality Scenario- PM Mact-Standard Incremental to PM Baseline

Facility Type-OINC-Small

Modeled Population= 53033181

Endpoint	Reference	Avoided Incidence for No-Threshold Analysis (cases/year)
Mortality (long-term exp. - ages 30+)	**Pope et al., 1995**	**0.06**
Mortality (short-term exp.) - PM10	pooled analysis (10 functions)	0.24
Mortality (short-term exp.) - PM2.5	Schwartz et al., 1996a	0.41
Chronic Bronchitis	**Schwartz, 1993b**	**2.59**
Hosp. Admissions - All Respiratory (all ages)	**Thurston et al., 1994**	**0.42**
All Respiratory (ages 65+)	Schwartz, 1995, 1996 (pooled analysis)	0.31
Pnuemonia (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.11
COPD (ages 65+)	Schwartz, 1994a,b,c, 1996 (pooled analysis)	0.10
Hosp. Admissions - Congestive Heart Failure	**Schwartz and Morris, 1995**	**0.08**
Hosp. Admissions - Ischemic Heart Disease	**Schwartz and Morris, 1995**	**0.09**
Acute Bronchitis	**Dockery et al., 1989**	**2.08**
Lower Respiratory Symptoms	**Schwartz et al., 1994**	**18.49**
Upper Respiratory Symptoms	**Pope et al., 1991**	**2.13**
Any of 19 Acute Symptoms	Krupnick et al., 1990	604.52
Shortness of breath	Ostro et al., 1995	6.85
Work Loss Days	**Ostro, 1987**	**228.06**
MRAD	**Ostro and Rothschild, 1989**	**1,900.72**
RAD	Ostro, 1987	625.68

*The method of measuring chronic bronchitis in Schwartz (1993) does not necessarily result in the number of cases avoided/year. Instead, this value may represent number of cases avoided over a period of years.

** Bolded results can be aggregated without double counting.

Table II-D1. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Cement Kilns

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	7E-05	*(5E-05, 1E-04)*	8E-05	*(5E-05, 1E-04)*	4E-06	*(3E-06, 5E-06)*	2E-04	*(1E-04, 2E-04)*	4E-05	*(3E-05, 4E-05)*	1E-05	*(9E-06, 1E-05)*	**4E-04**	*(3E-04, 5E-04)*
Home Gardener	7E-05	*(5E-05, 9E-05)*	5E-05	*(3E-05, 7E-05)*	2E-06	*(2E-06, 3E-06)*	1E-04	*(9E-05, 1E-04)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(6E-06, 8E-06)*	**3E-04**	*(2E-04, 3E-04)*
Beef Farmer	5E-05	*(4E-05, 6E-05)*	2E-06	*(1E-06, 2E-06)*	6E-08	*(5E-08, 8E-08)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(2E-07, 3E-07)*	2E-07	*(1E-07, 2E-07)*	**6E-05**	*(5E-05, 7E-05)*
Dairy Farmer	3E-05	*(2E-05, 5E-05)*	2E-07	*(1E-07, 2E-07)*	8E-09	*(6E-09, 1E-08)*	6E-07	*(4E-07, 8E-07)*	4E-08	*(4E-08, 5E-08)*	2E-08	*(2E-08, 3E-08)*	**3E-05**	*(2E-05, 5E-05)*
Produce Farmer	1E-07	*(7E-08, 2E-07)*	9E-08	*(5E-08, 2E-07)*	4E-09	*(2E-09, 6E-09)*	2E-07	*(1E-07, 2E-07)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(9E-09, 2E-08)*	**4E-07**	*(3E-07, 5E-07)*
Pork Farmer	4E-06	*(3E-06, 6E-06)*	7E-07	*(4E-07, 1E-06)*	3E-08	*(3E-08, 5E-08)*	2E-06	*(2E-06, 2E-06)*	7E-08	*(6E-08, 8E-08)*	9E-08	*(7E-08, 1E-07)*	**7E-06**	*(5E-06, 8E-06)*
Total	**2E-04**	***(2E-04, 3E-04)***	**1E-04**	***(9E-05, 2E-04)***	**6E-06**	***(4E-06, 9E-06)***	**3E-04**	***(2E-04, 4E-04)***	**6E-05**	***(6E-05, 6E-05)***	**2E-05**	***(1E-05, 2E-05)***	**7E-04**	***(6E-04, 9E-04)***
MACT Floor Emissions														
Resident	6E-05	*(4E-05, 8E-05)*	6E-05	*(4E-05, 1E-04)*	3E-06	*(2E-06, 5E-06)*	1E-04	*(1E-04, 1E-04)*	3E-05	*(3E-05, 3E-05)*	1E-05	*(9E-06, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	5E-05	*(4E-05, 7E-05)*	4E-05	*(3E-05, 6E-05)*	2E-06	*(1E-06, 3E-06)*	8E-05	*(7E-05, 9E-05)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	4E-05	*(3E-05, 4E-05)*	1E-06	*(1E-06, 2E-06)*	5E-08	*(4E-08, 6E-08)*	3E-06	*(3E-06, 3E-06)*	3E-07	*(2E-07, 3E-07)*	1E-07	*(1E-07, 2E-07)*	**4E-05**	*(4E-05, 5E-05)*
Dairy Farmer	2E-05	*(1E-05, 3E-05)*	1E-07	*(1E-07, 2E-07)*	6E-09	*(5E-09, 8E-09)*	3E-07	*(3E-07, 4E-07)*	4E-08	*(4E-08, 4E-08)*	2E-08	*(2E-08, 2E-08)*	**2E-05**	*(1E-05, 3E-05)*
Produce Farmer	7E-08	*(5E-08, 1E-07)*	5E-08	*(3E-08, 8E-08)*	3E-09	*(2E-09, 4E-09)*	1E-07	*(1E-07, 2E-07)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(8E-09, 2E-08)*	**3E-07**	*(2E-07, 4E-07)*
Pork Farmer	3E-06	*(2E-06, 3E-06)*	4E-07	*(3E-07, 6E-07)*	2E-08	*(2E-08, 3E-08)*	1E-06	*(1E-06, 2E-06)*	6E-08	*(6E-08, 7E-08)*	9E-08	*(6E-08, 1E-07)*	**5E-06**	*(4E-06, 5E-06)*
Total	**2E-04**	***(1E-04, 2E-04)***	**1E-04**	***(7E-05, 2E-04)***	**5E-06**	***(4E-06, 8E-06)***	**2E-04**	***(2E-04, 2E-04)***	**5E-05**	***(5E-05, 6E-05)***	**2E-05**	***(1E-05, 2E-05)***	**6E-04**	***(5E-04, 7E-04)***
MACT BTF Emissions														
Resident	4E-05	*(3E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	3E-06	*(2E-06, 5E-06)*	6E-05	*(5E-05, 7E-05)*	3E-05	*(3E-05, 3E-05)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 3E-04)*
Home Gardener	3E-05	*(2E-05, 4E-05)*	4E-05	*(3E-05, 6E-05)*	2E-06	*(1E-06, 3E-06)*	4E-05	*(3E-05, 4E-05)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	**1E-04**	*(1E-04, 2E-04)*
Beef Farmer	2E-05	*(2E-05, 2E-05)*	1E-06	*(1E-06, 2E-06)*	5E-08	*(4E-08, 6E-08)*	1E-06	*(1E-06, 1E-06)*	3E-07	*(2E-07, 3E-07)*	1E-07	*(1E-07, 2E-07)*	**2E-05**	*(2E-05, 3E-05)*
Dairy Farmer	1E-05	*(7E-06, 1E-05)*	1E-07	*(1E-07, 2E-07)*	6E-09	*(5E-09, 8E-09)*	1E-07	*(1E-07, 2E-07)*	4E-08	*(4E-08, 4E-08)*	2E-08	*(2E-08, 2E-08)*	**1E-05**	*(8E-06, 1E-05)*
Produce Farmer	4E-08	*(3E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	3E-09	*(2E-09, 4E-09)*	6E-08	*(5E-08, 7E-08)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(8E-09, 2E-08)*	**2E-07**	*(1E-07, 2E-07)*
Pork Farmer	1E-06	*(1E-06, 2E-06)*	4E-07	*(3E-07, 6E-07)*	2E-08	*(2E-08, 3E-08)*	6E-07	*(5E-07, 6E-07)*	6E-08	*(6E-08, 7E-08)*	9E-08	*(6E-08, 1E-07)*	**2E-06**	*(2E-06, 3E-06)*
Total	**1E-04**	***(8E-05, 1E-04)***	**1E-04**	***(7E-05, 2E-04)***	**5E-06**	***(4E-06, 8E-06)***	**9E-05**	***(8E-05, 1E-04)***	**5E-05**	***(5E-05, 6E-05)***	**2E-05**	***(1E-05, 2E-05)***	**4E-04**	***(3E-04, 5E-04)***
MACT Standard Emissions														
Resident	6E-05	*(4E-05, 8E-05)*	6E-05	*(4E-05, 1E-04)*	3E-06	*(2E-06, 5E-06)*	6E-05	*(5E-05, 7E-05)*	3E-05	*(3E-05, 3E-05)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 3E-04)*
Home Gardener	5E-05	*(4E-05, 7E-05)*	4E-05	*(3E-05, 6E-05)*	2E-06	*(1E-06, 3E-06)*	4E-05	*(3E-05, 4E-05)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	**2E-04**	*(1E-04, 2E-04)*
Beef Farmer	4E-05	*(3E-05, 4E-05)*	1E-06	*(1E-06, 2E-06)*	5E-08	*(4E-08, 6E-08)*	1E-06	*(1E-06, 1E-06)*	3E-07	*(2E-07, 3E-07)*	1E-07	*(1E-07, 2E-07)*	**4E-05**	*(3E-05, 5E-05)*
Dairy Farmer	2E-05	*(1E-05, 3E-05)*	1E-07	*(1E-07, 2E-07)*	6E-09	*(5E-09, 8E-09)*	1E-07	*(1E-07, 2E-07)*	4E-08	*(4E-08, 4E-08)*	2E-08	*(2E-08, 2E-08)*	**2E-05**	*(1E-05, 3E-05)*
Produce Farmer	7E-08	*(5E-08, 1E-07)*	5E-08	*(3E-08, 8E-08)*	3E-09	*(2E-09, 4E-09)*	6E-08	*(5E-08, 7E-08)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(8E-09, 2E-08)*	**2E-07**	*(2E-07, 3E-07)*
Pork Farmer	3E-06	*(2E-06, 3E-06)*	4E-07	*(3E-07, 6E-07)*	2E-08	*(2E-08, 3E-08)*	6E-07	*(5E-07, 6E-07)*	6E-08	*(6E-08, 7E-08)*	9E-08	*(6E-08, 1E-07)*	**4E-06**	*(3E-06, 5E-06)*
Total	**2E-04**	***(1E-04, 2E-04)***	**1E-04**	***(7E-05, 2E-04)***	**5E-06**	***(4E-06, 8E-06)***	**9E-05**	***(8E-05, 1E-04)***	**5E-05**	***(5E-05, 6E-05)***	**2E-05**	***(1E-05, 2E-05)***	**4E-04**	***(4E-04, 5E-04)***

Table II-D2. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	8E-06	*(8E-06, 9E-06)*	9E-06	*(9E-06, 1E-05)*	7E-07	*(7E-07, 7E-07)*	8E-05	*(8E-05, 8E-05)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(3E-06, 3E-06)*	**1E-04**	*(1E-04, 1E-04)*
Home Gardener	8E-06	*(8E-06, 8E-06)*	6E-06	*(6E-06, 6E-06)*	4E-07	*(4E-07, 4E-07)*	5E-05	*(5E-05, 5E-05)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(2E-06, 2E-06)*	**7E-05**	*(7E-05, 7E-05)*
Beef Farmer	1E-05	*(1E-05, 1E-05)*	4E-07	*(4E-07, 4E-07)*	2E-08	*(2E-08, 2E-08)*	2E-06	*(2E-06, 2E-06)*	4E-08	*(3E-08, 5E-08)*	8E-08	*(8E-08, 8E-08)*	**1E-05**	*(1E-05, 1E-05)*
Dairy Farmer	2E-06	*(2E-06, 2E-06)*	3E-08	*(3E-08, 3E-08)*	1E-09	*(1E-09, 1E-09)*	2E-07	*(2E-07, 2E-07)*	3E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*	**3E-06**	*(3E-06, 3E-06)*
Produce Farmer	1E-08	*(1E-08, 1E-08)*	1E-08	*(1E-08, 1E-08)*	6E-10	*(6E-10, 6E-10)*	7E-08	*(7E-08, 7E-08)*	9E-10	*(9E-10, 9E-10)*	3E-09	*(3E-09, 3E-09)*	**1E-07**	*(1E-07, 1E-07)*
Pork Farmer	7E-07	*(7E-07, 7E-07)*	2E-07	*(2E-07, 2E-07)*	1E-08	*(1E-08, 1E-08)*	1E-06	*(1E-06, 1E-06)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(4E-08, 4E-08)*	**2E-06**	*(2E-06, 2E-06)*
Total	**3E-05**	***(3E-05, 3E-05)***	**2E-05**	***(2E-05, 2E-05)***	**1E-06**	***(1E-06, 1E-06)***	**1E-04**	***(1E-04, 1E-04)***	**3E-06**	***(2E-06, 4E-06)***	**5E-06**	***(5E-06, 5E-06)***	**2E-04**	***(2E-04, 2E-04)***
MACT Floor Emissions														
Resident	8E-06	*(8E-06, 9E-06)*	7E-06	*(6E-06, 7E-06)*	5E-07	*(5E-07, 5E-07)*	7E-05	*(7E-05, 7E-05)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	**9E-05**	*(9E-05, 9E-05)*
Home Gardener	8E-06	*(8E-06, 8E-06)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(3E-07, 3E-07)*	4E-05	*(4E-05, 4E-05)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(2E-06, 2E-06)*	**6E-05**	*(6E-05, 6E-05)*
Beef Farmer	1E-05	*(1E-05, 1E-05)*	3E-07	*(3E-07, 3E-07)*	1E-08	*(1E-08, 1E-08)*	2E-06	*(2E-06, 2E-06)*	3E-08	*(2E-08, 4E-08)*	8E-08	*(8E-08, 8E-08)*	**1E-05**	*(1E-05, 1E-05)*
Dairy Farmer	2E-06	*(2E-06, 2E-06)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	1E-07	*(1E-07, 1E-07)*	2E-09	*(2E-09, 3E-09)*	6E-09	*(6E-09, 6E-09)*	**3E-06**	*(3E-06, 3E-06)*
Produce Farmer	1E-08	*(1E-08, 1E-08)*	1E-08	*(1E-08, 1E-08)*	4E-10	*(4E-10, 4E-10)*	6E-08	*(6E-08, 6E-08)*	6E-10	*(6E-10, 6E-10)*	3E-09	*(3E-09, 3E-09)*	**9E-08**	*(9E-08, 9E-08)*
Pork Farmer	7E-07	*(7E-07, 7E-07)*	2E-07	*(2E-07, 2E-07)*	7E-09	*(7E-09, 7E-09)*	1E-06	*(1E-06, 1E-06)*	1E-08	*(1E-08, 1E-08)*	4E-08	*(4E-08, 4E-08)*	**2E-06**	*(2E-06, 2E-06)*
Total	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(1E-05, 1E-05)***	**8E-07**	***(8E-07, 9E-07)***	**1E-04**	***(1E-04, 1E-04)***	**3E-06**	***(2E-06, 4E-06)***	**5E-06**	***(5E-06, 5E-06)***	**2E-04**	***(2E-04, 2E-04)***
MACT BTF Emissions														
Resident	5E-06	*(5E-06, 5E-06)*	7E-06	*(6E-06, 7E-06)*	5E-07	*(5E-07, 5E-07)*	3E-05	*(3E-05, 3E-05)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	**4E-05**	*(4E-05, 4E-05)*
Home Gardener	5E-06	*(5E-06, 5E-06)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(3E-07, 3E-07)*	2E-05	*(2E-05, 2E-05)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(2E-06, 2E-06)*	**3E-05**	*(3E-05, 3E-05)*
Beef Farmer	7E-06	*(7E-06, 7E-06)*	3E-07	*(3E-07, 3E-07)*	1E-08	*(1E-08, 1E-08)*	8E-07	*(8E-07, 8E-07)*	3E-08	*(2E-08, 4E-08)*	8E-08	*(8E-08, 8E-08)*	**8E-06**	*(8E-06, 8E-06)*
Dairy Farmer	2E-06	*(2E-06, 2E-06)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	5E-08	*(5E-08, 5E-08)*	2E-09	*(2E-09, 3E-09)*	6E-09	*(6E-09, 6E-09)*	**2E-06**	*(2E-06, 2E-06)*
Produce Farmer	7E-09	*(7E-09, 7E-09)*	1E-08	*(1E-08, 1E-08)*	4E-10	*(4E-10, 4E-10)*	2E-08	*(2E-08, 2E-08)*	6E-10	*(6E-10, 6E-10)*	3E-09	*(3E-09, 3E-09)*	**4E-08**	*(4E-08, 4E-08)*
Pork Farmer	4E-07	*(4E-07, 4E-07)*	2E-07	*(2E-07, 2E-07)*	7E-09	*(7E-09, 7E-09)*	4E-07	*(4E-07, 4E-07)*	1E-08	*(1E-08, 1E-08)*	4E-08	*(4E-08, 4E-08)*	**1E-06**	*(1E-06, 1E-06)*
Total	**2E-05**	***(2E-05, 2E-05)***	**1E-05**	***(1E-05, 1E-05)***	**8E-07**	***(8E-07, 9E-07)***	**4E-05**	***(4E-05, 4E-05)***	**3E-06**	***(2E-06, 4E-06)***	**5E-06**	***(5E-06, 5E-06)***	**8E-05**	***(8E-05, 8E-05)***
MACT Standard Emissions														
Resident	8E-06	*(8E-06, 9E-06)*	7E-06	*(6E-06, 7E-06)*	5E-07	*(5E-07, 5E-07)*	3E-05	*(3E-05, 3E-05)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	**5E-05**	*(5E-05, 5E-05)*
Home Gardener	8E-06	*(8E-06, 8E-06)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(3E-07, 3E-07)*	2E-05	*(2E-05, 2E-05)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(2E-06, 2E-06)*	**3E-05**	*(3E-05, 3E-05)*
Beef Farmer	1E-05	*(1E-05, 1E-05)*	3E-07	*(3E-07, 3E-07)*	1E-08	*(1E-08, 1E-08)*	8E-07	*(8E-07, 8E-07)*	3E-08	*(2E-08, 4E-08)*	8E-08	*(8E-08, 8E-08)*	**1E-05**	*(1E-05, 1E-05)*
Dairy Farmer	2E-06	*(2E-06, 2E-06)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	5E-08	*(5E-08, 5E-08)*	2E-09	*(2E-09, 3E-09)*	6E-09	*(6E-09, 6E-09)*	**3E-06**	*(3E-06, 3E-06)*
Produce Farmer	1E-08	*(1E-08, 1E-08)*	1E-08	*(1E-08, 1E-08)*	4E-10	*(4E-10, 4E-10)*	2E-08	*(2E-08, 2E-08)*	6E-10	*(6E-10, 6E-10)*	3E-09	*(3E-09, 3E-09)*	**5E-08**	*(5E-08, 5E-08)*
Pork Farmer	7E-07	*(7E-07, 7E-07)*	2E-07	*(2E-07, 2E-07)*	7E-09	*(7E-09, 7E-09)*	4E-07	*(4E-07, 4E-07)*	1E-08	*(1E-08, 1E-08)*	4E-08	*(4E-08, 4E-08)*	**1E-06**	*(1E-06, 1E-06)*
Total	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(1E-05, 1E-05)***	**8E-07**	***(8E-07, 9E-07)***	**4E-05**	***(4E-05, 4E-05)***	**3E-06**	***(2E-06, 4E-06)***	**5E-06**	***(5E-06, 5E-06)***	**9E-05**	***(9E-05, 1E-04)***

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

Table II-D3. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups: Lightweight Aggregate Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): All Age Groups						Total Across All Age Groups and Constituents
	Ingestion and Inhalation		Inhalation				
	TCDD	Arsenic	Beryllium	Cadmium	Chromium (VI)	Nickel	
Baseline Emissions							
Resident	3E-04	8E-05	2E-06	5E-05	5E-05	7E-05	**6E-04**
Home Gardener	3E-04	5E-05	1E-06	3E-05	3E-05	4E-05	**5E-04**
Beef Farmer	3E-05	2E-07	1E-08	2E-07	2E-07	3E-08	**3E-05**
Dairy Farmer	2E-05	3E-08	9E-10	2E-08	1E-08	2E-08	**2E-05**
Produce Farmer	7E-08	1E-08	3E-10	7E-09	1E-09	1E-08	**1E-07**
Pork Farmer	6E-07	4E-08	2E-09	4E-08	3E-08	7E-09	**7E-07**
Total	**7E-04**	**1E-04**	**4E-06**	**9E-05**	**8E-05**	**1E-04**	**1E-03**
MACT Floor Emissions							
Resident	3E-04	7E-05	2E-06	5E-05	5E-05	6E-05	**6E-04**
Home Gardener	3E-04	4E-05	1E-06	3E-05	3E-05	4E-05	**5E-04**
Beef Farmer	3E-05	2E-07	8E-09	2E-07	2E-07	3E-08	**3E-05**
Dairy Farmer	2E-05	3E-08	7E-10	2E-08	1E-08	2E-08	**2E-05**
Produce Farmer	7E-08	8E-09	2E-10	7E-09	8E-10	1E-08	**9E-08**
Pork Farmer	6E-07	3E-08	1E-09	4E-08	2E-08	6E-09	**7E-07**
Total	**7E-04**	**1E-04**	**3E-06**	**9E-05**	**8E-05**	**1E-04**	**1E-03**
MACT BTF Emissions							
Resident	4E-05	7E-05	2E-06	4E-05	5E-05	6E-05	**3E-04**
Home Gardener	3E-05	4E-05	1E-06	2E-05	3E-05	4E-05	**2E-04**
Beef Farmer	1E-05	2E-07	8E-09	1E-07	2E-07	3E-08	**1E-05**
Dairy Farmer	3E-06	3E-08	7E-10	1E-08	1E-08	2E-08	**3E-06**
Produce Farmer	7E-09	8E-09	2E-10	4E-09	8E-10	1E-08	**3E-08**
Pork Farmer	2E-07	3E-08	1E-09	2E-08	2E-08	6E-09	**3E-07**
Total	**9E-05**	**1E-04**	**3E-06**	**6E-05**	**8E-05**	**1E-04**	**4E-04**
MACT Standard Emissions							
Resident	6E-05	7E-05	2E-06	4E-05	5E-05	6E-05	**3E-04**
Home Gardener	6E-05	4E-05	1E-06	2E-05	3E-05	4E-05	**2E-04**
Beef Farmer	1E-05	2E-07	8E-09	1E-07	2E-07	3E-08	**1E-05**
Dairy Farmer	5E-06	3E-08	7E-10	1E-08	1E-08	2E-08	**5E-06**
Produce Farmer	1E-08	8E-09	2E-10	4E-09	8E-10	1E-08	**4E-08**
Pork Farmer	3E-07	3E-08	1E-09	2E-08	2E-08	6E-09	**3E-07**
Total	**1E-04**	**1E-04**	**3E-06**	**6E-05**	**8E-05**	**1E-04**	**5E-04**

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

Table II-D4. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-03	*(8E-04, 2E-03)*	4E-02	*(2E-02, 6E-02)*	3E-04	*(2E-04, 5E-04)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 5E-02)*	8E-04	*(5E-04, 1E-03)*	**7E-02**	*(5E-02, 1E-01)*
Home Gardener	1E-03	*(7E-04, 2E-03)*	2E-02	*(1E-02, 4E-02)*	2E-04	*(1E-04, 3E-04)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(6E-03, 3E-02)*	5E-04	*(3E-04, 7E-04)*	**4E-02**	*(3E-02, 7E-02)*
Beef Farmer	2E-04	*(1E-04, 3E-04)*	1E-04	*(6E-05, 3E-04)*	4E-07	*(2E-07, 6E-07)*	4E-05	*(2E-05, 8E-05)*	2E-05	*(9E-06, 4E-05)*	6E-07	*(4E-07, 9E-07)*	**4E-04**	*(2E-04, 6E-04)*
Dairy Farmer	9E-05	*(6E-05, 1E-04)*	1E-05	*(6E-06, 3E-05)*	7E-08	*(3E-08, 2E-07)*	3E-06	*(2E-06, 6E-06)*	3E-06	*(2E-06, 4E-06)*	8E-08	*(6E-08, 1E-07)*	**1E-04**	*(7E-05, 2E-04)*
Produce Farmer	4E-07	*(2E-07, 6E-07)*	4E-06	*(2E-06, 1E-05)*	5E-08	*(2E-08, 1E-07)*	5E-07	*(3E-07, 9E-07)*	7E-06	*(3E-06, 2E-05)*	9E-08	*(5E-08, 2E-07)*	**1E-05**	*(6E-06, 3E-05)*
Pork Farmer	4E-06	*(2E-06, 5E-06)*	1E-05	*(5E-06, 2E-05)*	1E-07	*(6E-08, 3E-07)*	4E-06	*(2E-06, 6E-06)*	4E-06	*(3E-06, 6E-06)*	1E-07	*(8E-08, 3E-07)*	**2E-05**	*(1E-05, 3E-05)*
Total	**3E-03**	***(2E-03, 4E-03)***	**6E-02**	***(4E-02, 9E-02)***	**5E-04**	***(3E-04, 9E-04)***	**2E-02**	***(1E-02, 3E-02)***	**4E-02**	***(2E-02, 7E-02)***	**1E-03**	***(8E-04, 2E-03)***	**1E-01**	***(8E-02, 2E-01)***
MACT Floor Emissions														
Resident	1E-03	*(7E-04, 2E-03)*	7E-03	*(4E-03, 1E-02)*	1E-04	*(6E-05, 2E-04)*	7E-04	*(5E-04, 9E-04)*	5E-03	*(3E-03, 1E-02)*	3E-04	*(2E-04, 4E-04)*	**1E-02**	*(1E-02, 2E-02)*
Home Gardener	1E-03	*(7E-04, 2E-03)*	4E-03	*(3E-03, 6E-03)*	7E-05	*(4E-05, 1E-04)*	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**9E-03**	*(6E-03, 1E-02)*
Beef Farmer	2E-04	*(1E-04, 3E-04)*	2E-05	*(1E-05, 5E-05)*	1E-07	*(8E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	2E-07	*(1E-07, 3E-07)*	**2E-04**	*(1E-04, 3E-04)*
Dairy Farmer	8E-05	*(5E-05, 1E-04)*	3E-06	*(1E-06, 5E-06)*	4E-08	*(1E-08, 9E-08)*	2E-07	*(1E-07, 3E-07)*	9E-07	*(6E-07, 1E-06)*	2E-08	*(2E-08, 3E-08)*	**9E-05**	*(6E-05, 1E-04)*
Produce Farmer	4E-07	*(2E-07, 6E-07)*	1E-06	*(5E-07, 3E-06)*	1E-08	*(6E-09, 3E-08)*	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 4E-06)*	4E-08	*(2E-08, 7E-08)*	**4E-06**	*(2E-06, 6E-06)*
Pork Farmer	3E-06	*(2E-06, 5E-06)*	3E-06	*(2E-06, 4E-06)*	7E-08	*(3E-08, 2E-07)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	4E-08	*(2E-08, 7E-08)*	**7E-06**	*(5E-06, 1E-05)*
Total	**2E-03**	***(2E-03, 3E-03)***	**1E-02**	***(7E-03, 2E-02)***	**2E-04**	***(1E-04, 3E-04)***	**1E-03**	***(8E-04, 1E-03)***	**8E-03**	***(4E-03, 2E-02)***	**4E-04**	***(3E-04, 7E-04)***	**2E-02**	***(2E-02, 3E-02)***
MACT BTF Emissions														
Resident	2E-04	*(2E-04, 4E-04)*	7E-03	*(4E-03, 1E-02)*	1E-04	*(6E-05, 2E-04)*	7E-04	*(5E-04, 9E-04)*	5E-03	*(3E-03, 1E-02)*	3E-04	*(2E-04, 4E-04)*	**1E-02**	*(9E-03, 2E-02)*
Home Gardener	2E-04	*(1E-04, 3E-04)*	4E-03	*(3E-03, 6E-03)*	7E-05	*(4E-05, 1E-04)*	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(6E-03, 1E-02)*
Beef Farmer	2E-05	*(1E-05, 3E-05)*	1E-05	*(6E-06, 3E-05)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	2E-07	*(1E-07, 3E-07)*	**4E-05**	*(2E-05, 6E-05)*
Dairy Farmer	8E-06	*(6E-06, 1E-05)*	2E-06	*(9E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*	8E-07	*(6E-07, 1E-06)*	2E-08	*(2E-08, 3E-08)*	**1E-05**	*(8E-06, 1E-05)*
Produce Farmer	1E-07	*(5E-08, 2E-07)*	1E-06	*(4E-07, 3E-06)*	1E-08	*(6E-09, 3E-08)*	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 4E-06)*	4E-08	*(2E-08, 7E-08)*	**3E-06**	*(2E-06, 6E-06)*
Pork Farmer	5E-07	*(4E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*	7E-08	*(3E-08, 2E-07)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	4E-08	*(2E-08, 7E-08)*	**4E-06**	*(3E-06, 6E-06)*
Total	**5E-04**	***(3E-04, 7E-04)***	**1E-02**	***(7E-03, 2E-02)***	**2E-04**	***(1E-04, 3E-04)***	**1E-03**	***(8E-04, 1E-03)***	**8E-03**	***(4E-03, 2E-02)***	**4E-04**	***(3E-04, 7E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT Standard Emissions														
Resident	4E-04	*(2E-04, 6E-04)*	7E-03	*(4E-03, 1E-02)*	1E-04	*(6E-05, 2E-04)*	7E-04	*(5E-04, 9E-04)*	5E-03	*(3E-03, 1E-02)*	3E-04	*(2E-04, 4E-04)*	**1E-02**	*(9E-03, 2E-02)*
Home Gardener	3E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-05	*(4E-05, 1E-04)*	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(6E-03, 1E-02)*
Beef Farmer	3E-05	*(2E-05, 4E-05)*	1E-05	*(6E-06, 3E-05)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	2E-07	*(1E-07, 3E-07)*	**5E-05**	*(3E-05, 8E-05)*
Dairy Farmer	1E-05	*(9E-06, 2E-05)*	2E-06	*(9E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*	8E-07	*(6E-07, 1E-06)*	2E-08	*(2E-08, 3E-08)*	**2E-05**	*(1E-05, 2E-05)*
Produce Farmer	1E-07	*(8E-08, 3E-07)*	1E-06	*(4E-07, 3E-06)*	1E-08	*(6E-09, 3E-08)*	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 4E-06)*	4E-08	*(2E-08, 7E-08)*	**3E-06**	*(2E-06, 6E-06)*
Pork Farmer	7E-07	*(5E-07, 9E-07)*	2E-06	*(1E-06, 3E-06)*	7E-08	*(3E-08, 2E-07)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	4E-08	*(2E-08, 7E-08)*	**4E-06**	*(3E-06, 6E-06)*
Total	**8E-04**	***(5E-04, 1E-03)***	**1E-02**	***(7E-03, 2E-02)***	**2E-04**	***(1E-04, 3E-04)***	**1E-03**	***(8E-04, 1E-03)***	**8E-03**	***(4E-03, 2E-02)***	**4E-04**	***(3E-04, 7E-04)***	**2E-02**	***(1E-02, 3E-02)***

Table II-D5. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Area Source Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	1E-03	*(1E-03, 2E-03)*	2E-06	*(1E-06, 2E-06)*	8E-04	*(8E-04, 8E-04)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(8E-05, 9E-05)*	**2E-03**	*(2E-03, 3E-03)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	8E-04	*(7E-04, 1E-03)*	1E-06	*(7E-07, 1E-06)*	5E-04	*(5E-04, 5E-04)*	3E-05	*(2E-05, 3E-05)*	5E-05	*(5E-05, 6E-05)*	**1E-03**	*(1E-03, 2E-03)*
Beef Farmer	1E-04	*(4E-05, 2E-04)*	1E-05	*(5E-06, 3E-05)*	5E-08	*(2E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	8E-07	*(3E-07, 2E-06)*	1E-07	*(9E-08, 1E-07)*	**1E-04**	*(5E-05, 3E-04)*
Dairy Farmer	3E-05	*(1E-05, 8E-05)*	1E-06	*(5E-07, 3E-06)*	5E-09	*(2E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	7E-08	*(3E-08, 2E-07)*	1E-08	*(9E-09, 2E-08)*	**3E-05**	*(1E-05, 8E-05)*
Produce Farmer	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 4E-07)*	4E-10	*(4E-10, 4E-10)*	2E-08	*(6E-09, 4E-08)*	7E-09	*(4E-09, 1E-08)*	3E-09	*(1E-09, 5E-09)*	**2E-07**	*(1E-07, 4E-07)*
Pork Farmer	1E-06	*(5E-07, 3E-06)*	1E-06	*(5E-07, 3E-06)*	5E-09	*(2E-09, 1E-08)*	1E-07	*(1E-07, 1E-07)*	7E-08	*(3E-08, 2E-07)*	1E-08	*(7E-09, 1E-08)*	**3E-06**	*(1E-06, 6E-06)*
Total	**2E-04**	***(9E-05, 4E-04)***	**2E-03**	***(2E-03, 3E-03)***	**3E-06**	***(2E-06, 4E-06)***	**1E-03**	***(1E-03, 1E-03)***	**7E-05**	***(6E-05, 9E-05)***	**1E-04**	***(1E-04, 1E-04)***	**4E-03**	***(3E-03, 4E-03)***
MACT Floor Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	1E-03	*(9E-04, 1E-03)*	1E-06	*(1E-06, 2E-06)*	1E-04	*(1E-04, 1E-04)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	7E-04	*(6E-04, 9E-04)*	9E-07	*(6E-07, 1E-06)*	8E-05	*(8E-05, 8E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*(4E-05, 4E-05)*	**9E-04**	*(7E-04, 1E-03)*
Beef Farmer	8E-05	*(3E-05, 2E-04)*	1E-05	*(4E-06, 3E-05)*	4E-08	*(2E-08, 1E-07)*	3E-07	*(3E-07, 4E-07)*	7E-07	*(3E-07, 2E-06)*	4E-08	*(4E-08, 4E-08)*	**1E-04**	*(4E-05, 3E-04)*
Dairy Farmer	3E-05	*(1E-05, 8E-05)*	1E-06	*(5E-07, 3E-06)*	4E-09	*(2E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*(3E-08, 2E-07)*	5E-09	*(3E-09, 8E-09)*	**3E-05**	*(1E-05, 8E-05)*
Produce Farmer	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 4E-07)*	4E-10	*(4E-10, 4E-10)*	1E-09	*(7E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	2E-09	*(7E-10, 5E-09)*	**2E-07**	*(9E-08, 4E-07)*
Pork Farmer	1E-06	*(4E-07, 3E-06)*	1E-06	*(5E-07, 3E-06)*	4E-09	*(2E-09, 1E-08)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(3E-08, 2E-07)*	4E-09	*(3E-09, 7E-09)*	**2E-06**	*(9E-07, 5E-06)*
Total	**2E-04**	***(7E-05, 4E-04)***	**2E-03**	***(1E-03, 2E-03)***	**2E-06**	***(2E-06, 3E-06)***	**2E-04**	***(2E-04, 2E-04)***	**6E-05**	***(5E-05, 8E-05)***	**1E-04**	***(9E-05, 1E-04)***	**2E-03**	***(2E-03, 3E-03)***
MACT BTF Emissions														
Resident	1E-05	*(7E-06, 2E-05)*	1E-03	*(8E-04, 1E-03)*	1E-06	*(7E-07, 1E-06)*	1E-04	*(1E-04, 1E-04)*	3E-05	*(3E-05, 4E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	1E-05	*(6E-06, 2E-05)*	6E-04	*(5E-04, 8E-04)*	6E-07	*(4E-07, 9E-07)*	8E-05	*(8E-05, 8E-05)*	2E-05	*(2E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*	**8E-04**	*(7E-04, 1E-03)*
Beef Farmer	6E-06	*(3E-06, 1E-05)*	2E-06	*(8E-07, 4E-06)*	6E-09	*(3E-09, 1E-08)*	3E-07	*(2E-07, 3E-07)*	1E-07	*(8E-08, 2E-07)*	4E-08	*(4E-08, 4E-08)*	**8E-06**	*(4E-06, 2E-05)*
Dairy Farmer	2E-06	*(1E-06, 4E-06)*	3E-07	*(2E-07, 6E-07)*	8E-10	*(4E-10, 1E-09)*	2E-08	*(2E-08, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(3E-09, 8E-09)*	**3E-06**	*(1E-06, 5E-06)*
Produce Farmer	5E-09	*(2E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	2E-09	*(7E-10, 5E-09)*	**1E-07**	*(6E-08, 4E-07)*
Pork Farmer	8E-08	*(4E-08, 1E-07)*	3E-07	*(1E-07, 5E-07)*	7E-10	*(4E-10, 1E-09)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(8E-09, 2E-08)*	4E-09	*(3E-09, 7E-09)*	**4E-07**	*(2E-07, 7E-07)*
Total	**3E-05**	***(2E-05, 4E-05)***	**2E-03**	***(1E-03, 2E-03)***	**2E-06**	***(1E-06, 2E-06)***	**2E-04**	***(2E-04, 2E-04)***	**5E-05**	***(5E-05, 6E-05)***	**1E-04**	***(9E-05, 1E-04)***	**2E-03**	***(2E-03, 2E-03)***
MACT Standard Emissions														
Resident	1E-05	*(8E-06, 2E-05)*	1E-03	*(8E-04, 1E-03)*	1E-06	*(7E-07, 1E-06)*	1E-04	*(1E-04, 1E-04)*	3E-05	*(3E-05, 4E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	1E-05	*(7E-06, 2E-05)*	6E-04	*(5E-04, 8E-04)*	6E-07	*(4E-07, 9E-07)*	8E-05	*(8E-05, 8E-05)*	2E-05	*(2E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*	**8E-04**	*(7E-04, 1E-03)*
Beef Farmer	1E-05	*(5E-06, 2E-05)*	2E-06	*(8E-07, 4E-06)*	6E-09	*(3E-09, 1E-08)*	3E-07	*(2E-07, 3E-07)*	1E-07	*(8E-08, 2E-07)*	4E-08	*(4E-08, 4E-08)*	**1E-05**	*(7E-06, 3E-05)*
Dairy Farmer	4E-06	*(2E-06, 7E-06)*	3E-07	*(2E-07, 6E-07)*	8E-10	*(4E-10, 1E-09)*	2E-08	*(2E-08, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(3E-09, 8E-09)*	**4E-06**	*(2E-06, 8E-06)*
Produce Farmer	5E-09	*(2E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	2E-09	*(7E-10, 5E-09)*	**1E-07**	*(6E-08, 4E-07)*
Pork Farmer	1E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	7E-10	*(4E-10, 1E-09)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(8E-09, 2E-08)*	4E-09	*(3E-09, 7E-09)*	**4E-07**	*(3E-07, 8E-07)*
Total	**4E-05**	***(3E-05, 6E-05)***	**2E-03**	***(1E-03, 2E-03)***	**2E-06**	***(1E-06, 2E-06)***	**2E-04**	***(2E-04, 2E-04)***	**5E-05**	***(5E-05, 6E-05)***	**1E-04**	***(9E-05, 1E-04)***	**2E-03**	***(2E-03, 2E-03)***

Table II-D6. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-04	*(2E-04, 5E-04)*	2E-03	*(1E-03, 2E-03)*	9E-06	*(5E-06, 2E-05)*	8E-04	*(8E-04, 9E-04)*	5E-05	*(5E-05, 7E-05)*	9E-05	*(9E-05, 9E-05)*	**3E-03**	*(3E-03, 3E-03)*
Home Gardener	3E-04	*(2E-04, 5E-04)*	1E-03	*(8E-04, 1E-03)*	6E-06	*(3E-06, 1E-05)*	5E-04	*(5E-04, 5E-04)*	3E-05	*(3E-05, 4E-05)*	6E-05	*(5E-05, 6E-05)*	**2E-03**	*(2E-03, 2E-03)*
Beef Farmer	1E-04	*(6E-05, 2E-04)*	1E-05	*(5E-06, 3E-05)*	6E-08	*(3E-08, 1E-07)*	2E-06	*(2E-06, 2E-06)*	8E-07	*(3E-07, 2E-06)*	1E-07	*(9E-08, 1E-07)*	**1E-04**	*(7E-05, 3E-04)*
Dairy Farmer	3E-05	*(2E-05, 8E-05)*	1E-06	*(5E-07, 3E-06)*	5E-09	*(2E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	7E-08	*(3E-08, 2E-07)*	1E-08	*(9E-09, 2E-08)*	**4E-05**	*(2E-05, 8E-05)*
Produce Farmer	1E-07	*(5E-08, 3E-07)*	2E-07	*(8E-08, 4E-07)*	4E-10	*(4E-10, 4E-10)*	2E-08	*(7E-09, 4E-08)*	1E-08	*(8E-09, 2E-08)*	3E-09	*(1E-09, 5E-09)*	**3E-07**	*(2E-07, 6E-07)*
Pork Farmer	2E-06	*(9E-07, 3E-06)*	1E-06	*(5E-07, 3E-06)*	6E-09	*(3E-09, 1E-08)*	1E-07	*(1E-07, 1E-07)*	8E-08	*(3E-08, 2E-07)*	1E-08	*(8E-09, 1E-08)*	**3E-06**	*(2E-06, 6E-06)*
Total	**8E-04**	***(6E-04, 1E-03)***	**3E-03**	***(2E-03, 3E-03)***	**2E-05**	***(8E-06, 3E-05)***	**1E-03**	***(1E-03, 1E-03)***	**9E-05**	***(7E-05, 1E-04)***	**1E-04**	***(1E-04, 2E-04)***	**5E-03**	***(4E-03, 6E-03)***
MACT Floor Emissions														
Resident	2E-04	*(1E-04, 4E-04)*	1E-03	*(1E-03, 1E-03)*	8E-06	*(4E-06, 2E-05)*	1E-04	*(1E-04, 1E-04)*	5E-05	*(4E-05, 6E-05)*	6E-05	*(6E-05, 7E-05)*	**2E-03**	*(1E-03, 2E-03)*
Home Gardener	2E-04	*(1E-04, 4E-04)*	8E-04	*(6E-04, 9E-04)*	5E-06	*(3E-06, 9E-06)*	8E-05	*(8E-05, 9E-05)*	3E-05	*(3E-05, 4E-05)*	4E-05	*(4E-05, 4E-05)*	**1E-03**	*(1E-03, 1E-03)*
Beef Farmer	9E-05	*(4E-05, 2E-04)*	1E-05	*(4E-06, 3E-05)*	5E-08	*(2E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(3E-07, 2E-06)*	4E-08	*(4E-08, 5E-08)*	**1E-04**	*(4E-05, 3E-04)*
Dairy Farmer	3E-05	*(1E-05, 8E-05)*	1E-06	*(5E-07, 3E-06)*	4E-09	*(2E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*(3E-08, 2E-07)*	5E-09	*(3E-09, 8E-09)*	**3E-05**	*(1E-05, 8E-05)*
Produce Farmer	1E-07	*(5E-08, 3E-07)*	2E-07	*(8E-08, 4E-07)*	4E-10	*(4E-10, 4E-10)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(8E-09, 2E-08)*	2E-09	*(8E-10, 5E-09)*	**3E-07**	*(2E-07, 5E-07)*
Pork Farmer	1E-06	*(5E-07, 3E-06)*	1E-06	*(5E-07, 3E-06)*	5E-09	*(3E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*(3E-08, 2E-07)*	5E-09	*(4E-09, 7E-09)*	**2E-06**	*(1E-06, 5E-06)*
Total	**6E-04**	***(4E-04, 1E-03)***	**2E-03**	***(2E-03, 2E-03)***	**1E-05**	***(7E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**8E-05**	***(7E-05, 1E-04)***	**1E-04**	***(1E-04, 1E-04)***	**3E-03**	***(3E-03, 4E-03)***
MACT BTF Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	1E-03	*(9E-04, 1E-03)*	8E-06	*(4E-06, 2E-05)*	1E-04	*(1E-04, 1E-04)*	4E-05	*(4E-05, 5E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	7E-04	*(6E-04, 9E-04)*	5E-06	*(2E-06, 9E-06)*	8E-05	*(8E-05, 9E-05)*	3E-05	*(2E-05, 3E-05)*	4E-05	*(4E-05, 4E-05)*	**9E-04**	*(8E-04, 1E-03)*
Beef Farmer	7E-06	*(4E-06, 1E-05)*	2E-06	*(8E-07, 4E-06)*	2E-08	*(9E-09, 3E-08)*	3E-07	*(3E-07, 3E-07)*	2E-07	*(1E-07, 3E-07)*	4E-08	*(4E-08, 5E-08)*	**9E-06**	*(5E-06, 2E-05)*
Dairy Farmer	2E-06	*(1E-06, 4E-06)*	3E-07	*(2E-07, 6E-07)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(2E-08, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(3E-09, 8E-09)*	**3E-06**	*(2E-06, 5E-06)*
Produce Farmer	9E-09	*(5E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-10	*(3E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-09	*(8E-10, 5E-09)*	**2E-07**	*(7E-08, 4E-07)*
Pork Farmer	1E-07	*(8E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(4E-09, 7E-09)*	**4E-07**	*(3E-07, 7E-07)*
Total	**7E-05**	***(5E-05, 1E-04)***	**2E-03**	***(2E-03, 2E-03)***	**1E-05**	***(7E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**7E-05**	***(6E-05, 9E-05)***	**1E-04**	***(1E-04, 1E-04)***	**2E-03**	***(2E-03, 3E-03)***
MACT Standard Emissions														
Resident	6E-05	*(4E-05, 1E-04)*	1E-03	*(9E-04, 1E-03)*	8E-06	*(4E-06, 2E-05)*	1E-04	*(1E-04, 1E-04)*	4E-05	*(4E-05, 5E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	6E-05	*(4E-05, 1E-04)*	7E-04	*(6E-04, 9E-04)*	5E-06	*(2E-06, 9E-06)*	8E-05	*(8E-05, 9E-05)*	3E-05	*(2E-05, 3E-05)*	4E-05	*(4E-05, 4E-05)*	**9E-04**	*(8E-04, 1E-03)*
Beef Farmer	1E-05	*(8E-06, 3E-05)*	2E-06	*(8E-07, 4E-06)*	2E-08	*(9E-09, 3E-08)*	3E-07	*(3E-07, 3E-07)*	2E-07	*(1E-07, 3E-07)*	4E-08	*(4E-08, 5E-08)*	**2E-05**	*(1E-05, 3E-05)*
Dairy Farmer	4E-06	*(2E-06, 8E-06)*	3E-07	*(2E-07, 6E-07)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(2E-08, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(3E-09, 8E-09)*	**5E-06**	*(3E-06, 8E-06)*
Produce Farmer	1E-08	*(8E-09, 3E-08)*	1E-07	*(5E-08, 3E-07)*	3E-10	*(3E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-09	*(8E-10, 5E-09)*	**2E-07**	*(7E-08, 4E-07)*
Pork Farmer	2E-07	*(2E-07, 4E-07)*	3E-07	*(1E-07, 5E-07)*	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(4E-09, 7E-09)*	**6E-07**	*(4E-07, 9E-07)*
Total	**1E-04**	***(9E-05, 2E-04)***	**2E-03**	***(2E-03, 2E-03)***	**1E-05**	***(7E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**7E-05**	***(6E-05, 9E-05)***	**1E-04**	***(1E-04, 1E-04)***	**2E-03**	***(2E-03, 3E-03)***

Table II-D7. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	6E-04	*(3E-04, 1E-03)*	3E-02	*(2E-02, 6E-02)*	3E-04	*(1E-04, 5E-04)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(9E-03, 5E-02)*	6E-04	*(3E-04, 1E-03)*	**7E-02**	*(4E-02, 1E-01)*
Home Gardener	5E-04	*(3E-04, 1E-03)*	2E-02	*(1E-02, 3E-02)*	2E-04	*(8E-05, 3E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 3E-02)*	4E-04	*(2E-04, 7E-04)*	**4E-02**	*(3E-02, 6E-02)*
Beef Farmer	2E-05	*(1E-05, 5E-05)*	1E-04	*(5E-05, 3E-04)*	3E-07	*(1E-07, 5E-07)*	4E-05	*(2E-05, 8E-05)*	2E-05	*(8E-06, 4E-05)*	4E-07	*(2E-07, 8E-07)*	**2E-04**	*(1E-04, 4E-04)*
Dairy Farmer	2E-05	*(2E-05, 2E-05)*	1E-05	*(4E-06, 3E-05)*	6E-08	*(2E-08, 2E-07)*	3E-06	*(2E-06, 6E-06)*	3E-06	*(2E-06, 4E-06)*	6E-08	*(4E-08, 9E-08)*	**4E-05**	*(3E-05, 6E-05)*
Produce Farmer	1E-07	*(6E-08, 2E-07)*	4E-06	*(1E-06, 1E-05)*	5E-08	*(2E-08, 1E-07)*	5E-07	*(2E-07, 9E-07)*	7E-06	*(3E-06, 2E-05)*	8E-08	*(4E-08, 2E-07)*	**1E-05**	*(6E-06, 3E-05)*
Pork Farmer	7E-07	*(5E-07, 8E-07)*	9E-06	*(4E-06, 2E-05)*	1E-07	*(5E-08, 3E-07)*	3E-06	*(2E-06, 6E-06)*	4E-06	*(2E-06, 5E-06)*	1E-07	*(6E-08, 3E-07)*	**2E-05**	*(1E-05, 3E-05)*
Total	**1E-03**	***(6E-04, 2E-03)***	**5E-02**	***(3E-02, 9E-02)***	**4E-04**	***(2E-04, 8E-04)***	**2E-02**	***(9E-03, 3E-02)***	**3E-02**	***(2E-02, 7E-02)***	**1E-03**	***(6E-04, 2E-03)***	**1E-01**	***(7E-02, 2E-01)***
MACT Floor Emissions														
Resident	6E-04	*(3E-04, 1E-03)*	4E-03	*(2E-03, 8E-03)*	9E-05	*(4E-05, 2E-04)*	5E-04	*(3E-04, 7E-04)*	4E-03	*(2E-03, 9E-03)*	2E-04	*(9E-05, 4E-04)*	**1E-02**	*(6E-03, 2E-02)*
Home Gardener	5E-04	*(3E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(6E-05, 2E-04)*	**6E-03**	*(4E-03, 1E-02)*
Beef Farmer	2E-05	*(1E-05, 5E-05)*	1E-05	*(4E-06, 3E-05)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(6E-08, 2E-07)*	**4E-05**	*(2E-05, 7E-05)*
Dairy Farmer	2E-05	*(2E-05, 2E-05)*	1E-06	*(6E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(9E-08, 2E-07)*	6E-07	*(4E-07, 1E-06)*	1E-08	*(9E-09, 2E-08)*	**2E-05**	*(2E-05, 3E-05)*
Produce Farmer	1E-07	*(6E-08, 2E-07)*	9E-07	*(3E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(7E-07, 4E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(1E-06, 6E-06)*
Pork Farmer	7E-07	*(5E-07, 8E-07)*	1E-06	*(7E-07, 2E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	3E-08	*(2E-08, 6E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**1E-03**	***(6E-04, 2E-03)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(7E-05, 3E-04)***	**7E-04**	***(5E-04, 1E-03)***	**7E-03**	***(3E-03, 1E-02)***	**3E-04**	***(2E-04, 6E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT BTF Emissions														
Resident	2E-04	*(8E-05, 3E-04)*	4E-03	*(2E-03, 8E-03)*	9E-05	*(4E-05, 2E-04)*	5E-04	*(3E-04, 7E-04)*	4E-03	*(2E-03, 9E-03)*	2E-04	*(9E-05, 4E-04)*	**9E-03**	*(6E-03, 2E-02)*
Home Gardener	1E-04	*(8E-05, 2E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(6E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Beef Farmer	6E-06	*(3E-06, 1E-05)*	1E-05	*(4E-06, 3E-05)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(6E-08, 2E-07)*	**2E-05**	*(1E-05, 5E-05)*
Dairy Farmer	4E-06	*(3E-06, 6E-06)*	1E-06	*(6E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(9E-08, 2E-07)*	6E-07	*(4E-07, 1E-06)*	1E-08	*(9E-09, 2E-08)*	**6E-06**	*(4E-06, 1E-05)*
Produce Farmer	9E-08	*(4E-08, 2E-07)*	9E-07	*(3E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(7E-07, 4E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(1E-06, 6E-06)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	1E-06	*(7E-07, 2E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	3E-08	*(2E-08, 6E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**3E-04**	***(2E-04, 5E-04)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(7E-05, 3E-04)***	**7E-04**	***(5E-04, 1E-03)***	**7E-03**	***(3E-03, 1E-02)***	**3E-04**	***(2E-04, 6E-04)***	**2E-02**	***(9E-03, 3E-02)***
MACT Standard Emissions														
Resident	2E-04	*(1E-04, 5E-04)*	4E-03	*(2E-03, 8E-03)*	9E-05	*(4E-05, 2E-04)*	5E-04	*(3E-04, 7E-04)*	4E-03	*(2E-03, 9E-03)*	2E-04	*(9E-05, 4E-04)*	**9E-03**	*(6E-03, 2E-02)*
Home Gardener	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(6E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Beef Farmer	9E-06	*(4E-06, 2E-05)*	1E-05	*(4E-06, 3E-05)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(6E-08, 2E-07)*	**2E-05**	*(1E-05, 5E-05)*
Dairy Farmer	6E-06	*(4E-06, 9E-06)*	1E-06	*(6E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(9E-08, 2E-07)*	6E-07	*(4E-07, 1E-06)*	1E-08	*(9E-09, 2E-08)*	**8E-06**	*(5E-06, 1E-05)*
Produce Farmer	1E-07	*(5E-08, 2E-07)*	9E-07	*(3E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(7E-07, 4E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(1E-06, 6E-06)*
Pork Farmer	2E-07	*(2E-07, 3E-07)*	1E-06	*(7E-07, 2E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	3E-08	*(2E-08, 6E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**5E-04**	***(2E-04, 9E-04)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(7E-05, 3E-04)***	**7E-04**	***(5E-04, 1E-03)***	**7E-03**	***(3E-03, 1E-02)***	**3E-04**	***(2E-04, 6E-04)***	**2E-02**	***(9E-03, 3E-02)***

Table II-D8. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-04	*(2E-04, 6E-04)*	2E-03	*(7E-04, 4E-03)*	1E-05	*(7E-06, 3E-05)*	8E-05	*(4E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	5E-05	*(3E-05, 9E-05)*	**3E-03**	*(2E-03, 5E-03)*
Home Gardener	3E-04	*(1E-04, 5E-04)*	1E-03	*(5E-04, 2E-03)*	9E-06	*(4E-06, 2E-05)*	5E-05	*(3E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**2E-03**	*(1E-03, 3E-03)*
Beef Farmer	6E-05	*(3E-05, 1E-04)*	7E-07	*(4E-07, 1E-06)*	9E-09	*(5E-09, 2E-08)*	6E-08	*(4E-08, 1E-07)*	2E-06	*(7E-07, 4E-06)*	4E-08	*(2E-08, 7E-08)*	**6E-05**	*(3E-05, 1E-04)*
Dairy Farmer	3E-05	*(1E-05, 8E-05)*	1E-07	*(5E-08, 2E-07)*	2E-09	*(1E-09, 4E-09)*	7E-09	*(5E-09, 1E-08)*	2E-07	*(9E-08, 6E-07)*	7E-09	*(4E-09, 1E-08)*	**3E-05**	*(1E-05, 8E-05)*
Produce Farmer	1E-07	*(7E-08, 3E-07)*	7E-08	*(3E-08, 2E-07)*	1E-09	*(5E-10, 2E-09)*	6E-09	*(3E-09, 1E-08)*	7E-08	*(3E-08, 1E-07)*	6E-09	*(3E-09, 1E-08)*	**3E-07**	*(2E-07, 5E-07)*
Pork Farmer	1E-06	*(7E-07, 2E-06)*	2E-07	*(1E-07, 3E-07)*	3E-09	*(1E-09, 4E-09)*	3E-08	*(1E-08, 5E-08)*	3E-07	*(1E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**7E-04**	***(4E-04, 1E-03)***	**3E-03**	***(1E-03, 6E-03)***	**2E-05**	***(1E-05, 5E-05)***	**1E-04**	***(7E-05, 2E-04)***	**2E-03**	***(1E-03, 3E-03)***	**8E-05**	***(4E-05, 1E-04)***	**5E-03**	***(3E-03, 9E-03)***
MACT Floor Emissions														
Resident	3E-04	*(2E-04, 6E-04)*	1E-03	*(5E-04, 3E-03)*	1E-05	*(6E-06, 3E-05)*	8E-05	*(4E-05, 1E-04)*	8E-04	*(5E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**3E-03**	*(1E-03, 5E-03)*
Home Gardener	3E-04	*(1E-04, 5E-04)*	8E-04	*(3E-04, 2E-03)*	8E-06	*(4E-06, 2E-05)*	5E-05	*(3E-05, 8E-05)*	5E-04	*(3E-04, 9E-04)*	1E-05	*(9E-06, 3E-05)*	**2E-03**	*(9E-04, 3E-03)*
Beef Farmer	6E-05	*(3E-05, 1E-04)*	4E-07	*(2E-07, 7E-07)*	6E-09	*(4E-09, 1E-08)*	6E-08	*(4E-08, 1E-07)*	1E-06	*(5E-07, 2E-06)*	3E-08	*(1E-08, 5E-08)*	**6E-05**	*(3E-05, 1E-04)*
Dairy Farmer	3E-05	*(1E-05, 8E-05)*	5E-08	*(3E-08, 1E-07)*	1E-09	*(7E-10, 3E-09)*	7E-09	*(5E-09, 1E-08)*	1E-07	*(7E-08, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**3E-05**	*(1E-05, 8E-05)*
Produce Farmer	1E-07	*(7E-08, 3E-07)*	4E-08	*(2E-08, 8E-08)*	8E-10	*(4E-10, 2E-09)*	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 9E-08)*	5E-09	*(3E-09, 1E-08)*	**2E-07**	*(1E-07, 4E-07)*
Pork Farmer	1E-06	*(7E-07, 2E-06)*	1E-07	*(6E-08, 2E-07)*	2E-09	*(1E-09, 4E-09)*	3E-08	*(1E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 7E-09)*	**2E-06**	*(9E-07, 3E-06)*
Total	**7E-04**	***(4E-04, 1E-03)***	**2E-03**	***(7E-04, 6E-03)***	**2E-05**	***(9E-06, 5E-05)***	**1E-04**	***(7E-05, 2E-04)***	**1E-03**	***(8E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**4E-03**	***(2E-03, 8E-03)***
MACT BTF Emissions														
Resident	6E-05	*(3E-05, 1E-04)*	1E-03	*(5E-04, 3E-03)*	1E-05	*(6E-06, 3E-05)*	8E-05	*(4E-05, 1E-04)*	8E-04	*(5E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**2E-03**	*(1E-03, 5E-03)*
Home Gardener	5E-05	*(3E-05, 9E-05)*	8E-04	*(3E-04, 2E-03)*	8E-06	*(4E-06, 2E-05)*	5E-05	*(3E-05, 8E-05)*	5E-04	*(3E-04, 9E-04)*	1E-05	*(9E-06, 3E-05)*	**1E-03**	*(7E-04, 3E-03)*
Beef Farmer	4E-06	*(3E-06, 7E-06)*	4E-07	*(2E-07, 7E-07)*	6E-09	*(4E-09, 1E-08)*	6E-08	*(4E-08, 1E-07)*	1E-06	*(5E-07, 2E-06)*	3E-08	*(1E-08, 5E-08)*	**6E-06**	*(4E-06, 9E-06)*
Dairy Farmer	1E-06	*(9E-07, 2E-06)*	5E-08	*(3E-08, 1E-07)*	1E-09	*(7E-10, 3E-09)*	7E-09	*(5E-09, 1E-08)*	1E-07	*(7E-08, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	7E-09	*(4E-09, 1E-08)*	4E-08	*(2E-08, 8E-08)*	8E-10	*(4E-10, 2E-09)*	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 9E-08)*	5E-09	*(3E-09, 1E-08)*	**1E-07**	*(6E-08, 2E-07)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	1E-07	*(6E-08, 2E-07)*	2E-09	*(1E-09, 4E-09)*	3E-08	*(1E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 7E-09)*	**5E-07**	*(3E-07, 8E-07)*
Total	**1E-04**	***(7E-05, 2E-04)***	**2E-03**	***(7E-04, 6E-03)***	**2E-05**	***(9E-06, 5E-05)***	**1E-04**	***(7E-05, 2E-04)***	**1E-03**	***(8E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**4E-03**	***(2E-03, 8E-03)***
MACT Standard Emissions														
Resident	8E-05	*(4E-05, 1E-04)*	1E-03	*(5E-04, 3E-03)*	1E-05	*(6E-06, 3E-05)*	8E-05	*(4E-05, 1E-04)*	8E-04	*(5E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**2E-03**	*(1E-03, 5E-03)*
Home Gardener	6E-05	*(4E-05, 1E-04)*	8E-04	*(3E-04, 2E-03)*	8E-06	*(4E-06, 2E-05)*	5E-05	*(3E-05, 8E-05)*	5E-04	*(3E-04, 9E-04)*	1E-05	*(9E-06, 3E-05)*	**1E-03**	*(7E-04, 3E-03)*
Beef Farmer	6E-06	*(4E-06, 1E-05)*	4E-07	*(2E-07, 7E-07)*	6E-09	*(4E-09, 1E-08)*	6E-08	*(4E-08, 1E-07)*	1E-06	*(5E-07, 2E-06)*	3E-08	*(1E-08, 5E-08)*	**8E-06**	*(5E-06, 1E-05)*
Dairy Farmer	2E-06	*(1E-06, 4E-06)*	5E-08	*(3E-08, 1E-07)*	1E-09	*(7E-10, 3E-09)*	7E-09	*(5E-09, 1E-08)*	1E-07	*(7E-08, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**3E-06**	*(1E-06, 5E-06)*
Produce Farmer	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	8E-10	*(4E-10, 2E-09)*	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 9E-08)*	5E-09	*(3E-09, 1E-08)*	**1E-07**	*(7E-08, 2E-07)*
Pork Farmer	2E-07	*(1E-07, 4E-07)*	1E-07	*(6E-08, 2E-07)*	2E-09	*(1E-09, 4E-09)*	3E-08	*(1E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 7E-09)*	**6E-07**	*(4E-07, 8E-07)*
Total	**1E-04**	***(9E-05, 3E-04)***	**2E-03**	***(7E-04, 6E-03)***	**2E-05**	***(9E-06, 5E-05)***	**1E-04**	***(7E-05, 2E-04)***	**1E-03**	***(8E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**4E-03**	***(2E-03, 8E-03)***

Table II-D9. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Waste Heat Boilers

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	8E-04	*(5E-04, 1E-03)*	3E-04	*(2E-04, 6E-04)*	9E-06	*(3E-06, 3E-05)*	5E-04	*(3E-04, 6E-04)*	8E-04	*(6E-04, 1E-03)*	2E-05	*(1E-05, 3E-05)*	**2E-03**	*(2E-03, 3E-03)*
Home Gardener	8E-04	*(5E-04, 1E-03)*	2E-04	*(1E-04, 4E-04)*	6E-06	*(2E-06, 2E-05)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 7E-04)*	1E-05	*(6E-06, 2E-05)*	**2E-03**	*(1E-03, 2E-03)*
Beef Farmer	2E-04	*(9E-05, 3E-04)*	1E-05	*(4E-06, 3E-05)*	5E-08	*(2E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	3E-06	*(2E-06, 5E-06)*	8E-08	*(5E-08, 1E-07)*	**2E-04**	*(1E-04, 3E-04)*
Dairy Farmer	8E-05	*(5E-05, 1E-04)*	1E-06	*(4E-07, 3E-06)*	6E-09	*(3E-09, 1E-08)*	6E-07	*(6E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*	1E-08	*(8E-09, 2E-08)*	**8E-05**	*(5E-05, 1E-04)*
Produce Farmer	3E-07	*(1E-07, 5E-07)*	5E-08	*(2E-08, 1E-07)*	1E-09	*(5E-10, 2E-09)*	2E-08	*(2E-08, 2E-08)*	8E-08	*(5E-08, 1E-07)*	3E-09	*(2E-09, 7E-09)*	**4E-07**	*(3E-07, 7E-07)*
Pork Farmer	3E-06	*(2E-06, 4E-06)*	1E-06	*(4E-07, 3E-06)*	6E-09	*(3E-09, 1E-08)*	4E-07	*(4E-07, 4E-07)*	8E-07	*(6E-07, 1E-06)*	1E-08	*(7E-09, 1E-08)*	**5E-06**	*(3E-06, 8E-06)*
Total	**2E-03**	***(1E-03, 3E-03)***	**6E-04**	***(3E-04, 1E-03)***	**1E-05**	***(5E-06, 4E-05)***	**7E-04**	***(5E-04, 1E-03)***	**1E-03**	***(1E-03, 2E-03)***	**3E-05**	***(2E-05, 5E-05)***	**5E-03**	***(3E-03, 6E-03)***
MACT Floor Emissions														
Resident	8E-04	*(5E-04, 1E-03)*	2E-04	*(1E-04, 4E-04)*	9E-06	*(3E-06, 3E-05)*	1E-04	*(5E-05, 4E-04)*	4E-04	*(3E-04, 8E-04)*	1E-05	*(7E-06, 3E-05)*	**2E-03**	*(1E-03, 2E-03)*
Home Gardener	8E-04	*(5E-04, 1E-03)*	1E-04	*(7E-05, 2E-04)*	5E-06	*(2E-06, 2E-05)*	8E-05	*(3E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	9E-06	*(4E-06, 2E-05)*	**1E-03**	*(8E-04, 2E-03)*
Beef Farmer	2E-04	*(9E-05, 3E-04)*	1E-05	*(4E-06, 3E-05)*	5E-08	*(2E-08, 1E-07)*	2E-07	*(1E-07, 5E-07)*	2E-06	*(9E-07, 3E-06)*	4E-08	*(2E-08, 6E-08)*	**2E-04**	*(9E-05, 3E-04)*
Dairy Farmer	8E-05	*(5E-05, 1E-04)*	1E-06	*(3E-07, 3E-06)*	5E-09	*(2E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 5E-07)*	6E-09	*(3E-09, 1E-08)*	**8E-05**	*(5E-05, 1E-04)*
Produce Farmer	3E-07	*(1E-07, 5E-07)*	4E-08	*(2E-08, 1E-07)*	9E-10	*(4E-10, 2E-09)*	3E-09	*(2E-09, 5E-09)*	5E-08	*(2E-08, 9E-08)*	3E-09	*(1E-09, 7E-09)*	**4E-07**	*(2E-07, 6E-07)*
Pork Farmer	3E-06	*(2E-06, 4E-06)*	1E-06	*(4E-07, 3E-06)*	5E-09	*(2E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-09	*(3E-09, 8E-09)*	**4E-06**	*(2E-06, 7E-06)*
Total	**2E-03**	***(1E-03, 3E-03)***	**4E-04**	***(2E-04, 7E-04)***	**1E-05**	***(5E-06, 4E-05)***	**2E-04**	***(8E-05, 6E-04)***	**7E-04**	***(4E-04, 1E-03)***	**2E-05**	***(1E-05, 5E-05)***	**3E-03**	***(2E-03, 5E-03)***
MACT BTF Emissions														
Resident	5E-05	*(3E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	8E-06	*(3E-06, 3E-05)*	1E-04	*(5E-05, 4E-04)*	4E-04	*(2E-04, 7E-04)*	1E-05	*(7E-06, 3E-05)*	**7E-04**	*(5E-04, 1E-03)*
Home Gardener	5E-05	*(3E-05, 9E-05)*	7E-05	*(4E-05, 1E-04)*	5E-06	*(2E-06, 2E-05)*	8E-05	*(3E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	9E-06	*(4E-06, 2E-05)*	**5E-04**	*(3E-04, 8E-04)*
Beef Farmer	8E-06	*(4E-06, 1E-05)*	1E-06	*(5E-07, 4E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(7E-08, 4E-07)*	1E-06	*(5E-07, 2E-06)*	4E-08	*(2E-08, 6E-08)*	**1E-05**	*(6E-06, 2E-05)*
Dairy Farmer	3E-06	*(2E-06, 5E-06)*	1E-07	*(5E-08, 3E-07)*	2E-09	*(9E-10, 3E-09)*	2E-08	*(2E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-09	*(3E-09, 1E-08)*	**3E-06**	*(2E-06, 5E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	8E-09	*(4E-09, 2E-08)*	7E-10	*(3E-10, 2E-09)*	3E-09	*(1E-09, 5E-09)*	4E-08	*(2E-08, 9E-08)*	3E-09	*(1E-09, 7E-09)*	**7E-08**	*(4E-08, 1E-07)*
Pork Farmer	1E-07	*(7E-08, 2E-07)*	1E-07	*(6E-08, 3E-07)*	2E-09	*(1E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 8E-09)*	**5E-07**	*(3E-07, 7E-07)*
Total	**1E-04**	***(7E-05, 2E-04)***	**2E-04**	***(1E-04, 3E-04)***	**1E-05**	***(4E-06, 4E-05)***	**2E-04**	***(8E-05, 6E-04)***	**7E-04**	***(4E-04, 1E-03)***	**2E-05**	***(1E-05, 5E-05)***	**1E-03**	***(8E-04, 2E-03)***
MACT Standard Emissions														
Resident	9E-05	*(6E-05, 2E-04)*	1E-04	*(6E-05, 2E-04)*	8E-06	*(3E-06, 3E-05)*	1E-04	*(5E-05, 4E-04)*	4E-04	*(2E-04, 7E-04)*	1E-05	*(7E-06, 3E-05)*	**8E-04**	*(5E-04, 1E-03)*
Home Gardener	9E-05	*(6E-05, 2E-04)*	7E-05	*(4E-05, 1E-04)*	5E-06	*(2E-06, 2E-05)*	8E-05	*(3E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	9E-06	*(4E-06, 2E-05)*	**5E-04**	*(3E-04, 8E-04)*
Beef Farmer	1E-05	*(8E-06, 3E-05)*	1E-06	*(5E-07, 4E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(7E-08, 4E-07)*	1E-06	*(5E-07, 2E-06)*	4E-08	*(2E-08, 6E-08)*	**2E-05**	*(9E-06, 3E-05)*
Dairy Farmer	6E-06	*(4E-06, 1E-05)*	1E-07	*(5E-08, 3E-07)*	2E-09	*(9E-10, 3E-09)*	2E-08	*(2E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-09	*(3E-09, 1E-08)*	**6E-06**	*(4E-06, 1E-05)*
Produce Farmer	2E-08	*(1E-08, 3E-08)*	8E-09	*(4E-09, 2E-08)*	7E-10	*(3E-10, 2E-09)*	3E-09	*(1E-09, 5E-09)*	4E-08	*(2E-08, 9E-08)*	3E-09	*(1E-09, 7E-09)*	**8E-08**	*(4E-08, 1E-07)*
Pork Farmer	2E-07	*(1E-07, 4E-07)*	1E-07	*(6E-08, 3E-07)*	2E-09	*(1E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 8E-09)*	**6E-07**	*(4E-07, 9E-07)*
Total	**2E-04**	***(1E-04, 3E-04)***	**2E-04**	***(1E-04, 3E-04)***	**1E-05**	***(4E-06, 4E-05)***	**2E-04**	***(8E-05, 6E-04)***	**7E-04**	***(4E-04, 1E-03)***	**2E-05**	***(1E-05, 5E-05)***	**1E-03**	***(8E-04, 2E-03)***

Table II-D10. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-04	*(2E-04, 6E-04)*	4E-02	*(2E-02, 6E-02)*	3E-04	*(1E-04, 5E-04)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 5E-02)*	7E-04	*(5E-04, 1E-03)*	**7E-02**	*(4E-02, 1E-01)*
Home Gardener	3E-04	*(2E-04, 6E-04)*	2E-02	*(1E-02, 4E-02)*	2E-04	*(9E-05, 3E-04)*	6E-03	*(4E-03, 1E-02)*	1E-02	*(6E-03, 3E-02)*	5E-04	*(3E-04, 7E-04)*	**4E-02**	*(3E-02, 7E-02)*
Beef Farmer	4E-05	*(2E-05, 7E-05)*	1E-04	*(5E-05, 3E-04)*	3E-07	*(2E-07, 6E-07)*	4E-05	*(2E-05, 8E-05)*	2E-05	*(7E-06, 4E-05)*	5E-07	*(3E-07, 8E-07)*	**2E-04**	*(1E-04, 4E-04)*
Dairy Farmer	1E-05	*(7E-06, 2E-05)*	1E-05	*(5E-06, 3E-05)*	6E-08	*(3E-08, 2E-07)*	3E-06	*(1E-06, 5E-06)*	2E-06	*(1E-06, 3E-06)*	6E-08	*(4E-08, 9E-08)*	**3E-05**	*(2E-05, 5E-05)*
Produce Farmer	1E-07	*(6E-08, 3E-07)*	4E-06	*(2E-06, 1E-05)*	5E-08	*(2E-08, 1E-07)*	5E-07	*(2E-07, 9E-07)*	7E-06	*(3E-06, 2E-05)*	9E-08	*(4E-08, 2E-07)*	**1E-05**	*(6E-06, 3E-05)*
Pork Farmer	1E-06	*(6E-07, 1E-06)*	9E-06	*(4E-06, 2E-05)*	1E-07	*(5E-08, 3E-07)*	3E-06	*(2E-06, 6E-06)*	3E-06	*(2E-06, 5E-06)*	1E-07	*(7E-08, 3E-07)*	**2E-05**	*(1E-05, 3E-05)*
Total	**8E-04**	***(5E-04, 1E-03)***	**6E-02**	***(4E-02, 9E-02)***	**4E-04**	***(2E-04, 8E-04)***	**2E-02**	***(9E-03, 3E-02)***	**3E-02**	***(2E-02, 7E-02)***	**1E-03**	***(7E-04, 2E-03)***	**1E-01**	***(7E-02, 2E-01)***
MACT Floor Emissions														
Resident	3E-04	*(2E-04, 5E-04)*	6E-03	*(4E-03, 1E-02)*	1E-04	*(6E-05, 2E-04)*	5E-04	*(4E-04, 7E-04)*	5E-03	*(2E-03, 9E-03)*	3E-04	*(2E-04, 4E-04)*	**1E-02**	*(8E-03, 2E-02)*
Home Gardener	2E-04	*(1E-04, 4E-04)*	4E-03	*(3E-03, 6E-03)*	6E-05	*(3E-05, 1E-04)*	3E-04	*(3E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(5E-03, 1E-02)*
Beef Farmer	2E-05	*(9E-06, 3E-05)*	1E-05	*(5E-06, 3E-05)*	9E-08	*(5E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(9E-08, 2E-07)*	**3E-05**	*(2E-05, 6E-05)*
Dairy Farmer	6E-06	*(4E-06, 1E-05)*	2E-06	*(8E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(1E-07, 2E-07)*	5E-07	*(3E-07, 8E-07)*	2E-08	*(1E-08, 3E-08)*	**9E-06**	*(6E-06, 1E-05)*
Produce Farmer	1E-07	*(6E-08, 2E-07)*	1E-06	*(4E-07, 3E-06)*	1E-08	*(6E-09, 3E-08)*	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 4E-06)*	3E-08	*(2E-08, 7E-08)*	**3E-06**	*(2E-06, 6E-06)*
Pork Farmer	5E-07	*(3E-07, 7E-07)*	2E-06	*(9E-07, 3E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	4E-08	*(2E-08, 6E-08)*	**4E-06**	*(2E-06, 5E-06)*
Total	**5E-04**	***(3E-04, 1E-03)***	**1E-02**	***(7E-03, 2E-02)***	**2E-04**	***(9E-05, 3E-04)***	**9E-04**	***(7E-04, 1E-03)***	**8E-03**	***(4E-03, 2E-02)***	**4E-04**	***(3E-04, 7E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT BTF Emissions														
Resident	2E-04	*(1E-04, 3E-04)*	6E-03	*(4E-03, 1E-02)*	1E-04	*(6E-05, 2E-04)*	5E-04	*(4E-04, 7E-04)*	5E-03	*(2E-03, 9E-03)*	3E-04	*(2E-04, 4E-04)*	**1E-02**	*(8E-03, 2E-02)*
Home Gardener	2E-04	*(1E-04, 3E-04)*	4E-03	*(3E-03, 6E-03)*	6E-05	*(3E-05, 1E-04)*	3E-04	*(3E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(5E-03, 1E-02)*
Beef Farmer	1E-05	*(6E-06, 2E-05)*	1E-05	*(5E-06, 3E-05)*	9E-08	*(5E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(9E-08, 2E-07)*	**3E-05**	*(1E-05, 5E-05)*
Dairy Farmer	5E-06	*(3E-06, 7E-06)*	2E-06	*(8E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(1E-07, 2E-07)*	5E-07	*(3E-07, 8E-07)*	2E-08	*(1E-08, 3E-08)*	**7E-06**	*(5E-06, 1E-05)*
Produce Farmer	1E-07	*(5E-08, 2E-07)*	1E-06	*(4E-07, 3E-06)*	1E-08	*(6E-09, 3E-08)*	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 4E-06)*	3E-08	*(2E-08, 7E-08)*	**3E-06**	*(2E-06, 6E-06)*
Pork Farmer	4E-07	*(2E-07, 5E-07)*	2E-06	*(9E-07, 3E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	4E-08	*(2E-08, 6E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**4E-04**	***(2E-04, 6E-04)***	**1E-02**	***(7E-03, 2E-02)***	**2E-04**	***(9E-05, 3E-04)***	**9E-04**	***(7E-04, 1E-03)***	**8E-03**	***(4E-03, 2E-02)***	**4E-04**	***(3E-04, 7E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT Standard Emissions														
Resident	3E-04	*(2E-04, 5E-04)*	6E-03	*(4E-03, 1E-02)*	1E-04	*(6E-05, 2E-04)*	5E-04	*(4E-04, 7E-04)*	5E-03	*(2E-03, 9E-03)*	3E-04	*(2E-04, 4E-04)*	**1E-02**	*(8E-03, 2E-02)*
Home Gardener	2E-04	*(1E-04, 4E-04)*	4E-03	*(3E-03, 6E-03)*	6E-05	*(3E-05, 1E-04)*	3E-04	*(3E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(5E-03, 1E-02)*
Beef Farmer	2E-05	*(9E-06, 3E-05)*	1E-05	*(5E-06, 3E-05)*	9E-08	*(5E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(9E-08, 2E-07)*	**3E-05**	*(2E-05, 6E-05)*
Dairy Farmer	6E-06	*(4E-06, 1E-05)*	2E-06	*(8E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(1E-07, 2E-07)*	5E-07	*(3E-07, 8E-07)*	2E-08	*(1E-08, 3E-08)*	**9E-06**	*(6E-06, 1E-05)*
Produce Farmer	1E-07	*(6E-08, 2E-07)*	1E-06	*(4E-07, 3E-06)*	1E-08	*(6E-09, 3E-08)*	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 4E-06)*	3E-08	*(2E-08, 7E-08)*	**3E-06**	*(2E-06, 6E-06)*
Pork Farmer	5E-07	*(3E-07, 7E-07)*	2E-06	*(9E-07, 3E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	4E-08	*(2E-08, 6E-08)*	**4E-06**	*(2E-06, 5E-06)*
Total	**5E-04**	***(3E-04, 1E-03)***	**1E-02**	***(7E-03, 2E-02)***	**2E-04**	***(9E-05, 3E-04)***	**9E-04**	***(7E-04, 1E-03)***	**8E-03**	***(4E-03, 2E-02)***	**4E-04**	***(3E-04, 7E-04)***	**2E-02**	***(1E-02, 3E-02)***

Table II-D11. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-04	*(6E-05, 3E-04)*	1E-03	*(1E-03, 2E-03)*	9E-06	*(4E-06, 2E-05)*	8E-04	*(8E-04, 8E-04)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(9E-05, 9E-05)*	**2E-03**	*(2E-03, 3E-03)*
Home Gardener	1E-04	*(6E-05, 3E-04)*	8E-04	*(7E-04, 1E-03)*	5E-06	*(3E-06, 1E-05)*	5E-04	*(5E-04, 5E-04)*	2E-05	*(2E-05, 3E-05)*	6E-05	*(5E-05, 6E-05)*	**2E-03**	*(1E-03, 2E-03)*
Beef Farmer	3E-05	*(1E-05, 6E-05)*	6E-07	*(4E-07, 1E-06)*	1E-08	*(6E-09, 3E-08)*	2E-06	*(1E-06, 2E-06)*	7E-08	*(6E-08, 9E-08)*	9E-08	*(8E-08, 9E-08)*	**3E-05**	*(2E-05, 6E-05)*
Dairy Farmer	6E-06	*(3E-06, 1E-05)*	2E-07	*(8E-08, 5E-07)*	7E-10	*(4E-10, 1E-09)*	1E-07	*(1E-07, 2E-07)*	9E-09	*(6E-09, 1E-08)*	9E-09	*(7E-09, 1E-08)*	**6E-06**	*(3E-06, 1E-05)*
Produce Farmer	8E-09	*(4E-09, 2E-08)*	1E-07	*(4E-08, 3E-07)*	2E-10	*(2E-10, 2E-10)*	1E-08	*(5E-09, 4E-08)*	5E-09	*(2E-09, 1E-08)*	2E-09	*(1E-09, 5E-09)*	**2E-07**	*(6E-08, 4E-07)*
Pork Farmer	6E-07	*(4E-07, 1E-06)*	2E-07	*(8E-08, 4E-07)*	2E-09	*(1E-09, 3E-09)*	1E-07	*(1E-07, 1E-07)*	9E-09	*(6E-09, 1E-08)*	8E-09	*(6E-09, 1E-08)*	**1E-06**	*(6E-07, 1E-06)*
Total	**3E-04**	***(1E-04, 6E-04)***	**2E-03**	***(2E-03, 3E-03)***	**1E-05**	***(7E-06, 3E-05)***	**1E-03**	***(1E-03, 1E-03)***	**6E-05**	***(5E-05, 7E-05)***	**1E-04**	***(1E-04, 2E-04)***	**4E-03**	***(3E-03, 4E-03)***
MACT Floor Emissions														
Resident	5E-05	*(2E-05, 1E-04)*	1E-03	*(8E-04, 1E-03)*	8E-06	*(4E-06, 2E-05)*	1E-04	*(1E-04, 1E-04)*	4E-05	*(3E-05, 4E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	4E-05	*(2E-05, 9E-05)*	7E-04	*(5E-04, 8E-04)*	5E-06	*(2E-06, 9E-06)*	8E-05	*(8E-05, 9E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*(4E-05, 4E-05)*	**9E-04**	*(7E-04, 1E-03)*
Beef Farmer	6E-06	*(3E-06, 1E-05)*	5E-07	*(3E-07, 7E-07)*	1E-08	*(5E-09, 2E-08)*	3E-07	*(3E-07, 3E-07)*	7E-08	*(6E-08, 8E-08)*	4E-08	*(4E-08, 4E-08)*	**7E-06**	*(4E-06, 1E-05)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	2E-07	*(8E-08, 5E-07)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(2E-08, 2E-08)*	9E-09	*(6E-09, 1E-08)*	5E-09	*(3E-09, 8E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	6E-09	*(3E-09, 1E-08)*	1E-07	*(4E-08, 3E-07)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	2E-09	*(7E-10, 5E-09)*	**1E-07**	*(5E-08, 4E-07)*
Pork Farmer	2E-07	*(9E-08, 3E-07)*	2E-07	*(7E-08, 4E-07)*	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	9E-09	*(6E-09, 1E-08)*	5E-09	*(3E-09, 7E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**1E-04**	***(5E-05, 2E-04)***	**2E-03**	***(1E-03, 2E-03)***	**1E-05**	***(6E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**6E-05**	***(5E-05, 7E-05)***	**1E-04**	***(1E-04, 1E-04)***	**2E-03**	***(2E-03, 3E-03)***
MACT BTF Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	1E-03	*(8E-04, 1E-03)*	8E-06	*(4E-06, 2E-05)*	1E-04	*(1E-04, 1E-04)*	4E-05	*(3E-05, 4E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	7E-04	*(5E-04, 8E-04)*	5E-06	*(2E-06, 9E-06)*	8E-05	*(8E-05, 9E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*(4E-05, 4E-05)*	**8E-04**	*(7E-04, 1E-03)*
Beef Farmer	3E-06	*(2E-06, 4E-06)*	5E-07	*(3E-07, 7E-07)*	1E-08	*(5E-09, 2E-08)*	3E-07	*(3E-07, 3E-07)*	7E-08	*(6E-08, 8E-08)*	4E-08	*(4E-08, 4E-08)*	**4E-06**	*(2E-06, 5E-06)*
Dairy Farmer	1E-06	*(7E-07, 2E-06)*	2E-07	*(8E-08, 5E-07)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(2E-08, 2E-08)*	9E-09	*(6E-09, 1E-08)*	5E-09	*(3E-09, 8E-09)*	**1E-06**	*(8E-07, 3E-06)*
Produce Farmer	5E-09	*(2E-09, 1E-08)*	1E-07	*(4E-08, 3E-07)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	2E-09	*(7E-10, 5E-09)*	**1E-07**	*(5E-08, 4E-07)*
Pork Farmer	7E-08	*(4E-08, 1E-07)*	2E-07	*(7E-08, 4E-07)*	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	9E-09	*(6E-09, 1E-08)*	5E-09	*(3E-09, 7E-09)*	**3E-07**	*(1E-07, 5E-07)*
Total	**5E-05**	***(3E-05, 9E-05)***	**2E-03**	***(1E-03, 2E-03)***	**1E-05**	***(6E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**6E-05**	***(5E-05, 7E-05)***	**1E-04**	***(1E-04, 1E-04)***	**2E-03**	***(2E-03, 3E-03)***
MACT Standard Emissions														
Resident	5E-05	*(2E-05, 1E-04)*	1E-03	*(8E-04, 1E-03)*	8E-06	*(4E-06, 2E-05)*	1E-04	*(1E-04, 1E-04)*	4E-05	*(3E-05, 4E-05)*	6E-05	*(6E-05, 7E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	4E-05	*(2E-05, 9E-05)*	7E-04	*(5E-04, 8E-04)*	5E-06	*(2E-06, 9E-06)*	8E-05	*(8E-05, 9E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*(4E-05, 4E-05)*	**9E-04**	*(7E-04, 1E-03)*
Beef Farmer	6E-06	*(3E-06, 1E-05)*	5E-07	*(3E-07, 7E-07)*	1E-08	*(5E-09, 2E-08)*	3E-07	*(3E-07, 3E-07)*	7E-08	*(6E-08, 8E-08)*	4E-08	*(4E-08, 4E-08)*	**7E-06**	*(4E-06, 1E-05)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	2E-07	*(8E-08, 5E-07)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(2E-08, 2E-08)*	9E-09	*(6E-09, 1E-08)*	5E-09	*(3E-09, 8E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	6E-09	*(3E-09, 1E-08)*	1E-07	*(4E-08, 3E-07)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	5E-09	*(2E-09, 1E-08)*	2E-09	*(7E-10, 5E-09)*	**1E-07**	*(5E-08, 4E-07)*
Pork Farmer	2E-07	*(9E-08, 3E-07)*	2E-07	*(7E-08, 4E-07)*	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	9E-09	*(6E-09, 1E-08)*	5E-09	*(3E-09, 7E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**1E-04**	***(5E-05, 2E-04)***	**2E-03**	***(1E-03, 2E-03)***	**1E-05**	***(6E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**6E-05**	***(5E-05, 7E-05)***	**1E-04**	***(1E-04, 1E-04)***	**2E-03**	***(2E-03, 3E-03)***

Table II-D12. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-04	*(9E-05, 4E-04)*	3E-02	*(2E-02, 6E-02)*	3E-04	*(1E-04, 5E-04)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(9E-03, 5E-02)*	6E-04	*(3E-04, 1E-03)*	**6E-02**	*(4E-02, 1E-01)*
Home Gardener	2E-04	*(8E-05, 4E-04)*	2E-02	*(1E-02, 3E-02)*	2E-04	*(8E-05, 3E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 3E-02)*	4E-04	*(2E-04, 7E-04)*	**4E-02**	*(2E-02, 6E-02)*
Beef Farmer	8E-06	*(3E-06, 2E-05)*	1E-04	*(5E-05, 3E-04)*	3E-07	*(1E-07, 5E-07)*	4E-05	*(2E-05, 8E-05)*	2E-05	*(7E-06, 4E-05)*	4E-07	*(2E-07, 8E-07)*	**2E-04**	*(8E-05, 4E-04)*
Dairy Farmer	4E-06	*(2E-06, 7E-06)*	1E-05	*(4E-06, 3E-05)*	6E-08	*(2E-08, 2E-07)*	3E-06	*(1E-06, 5E-06)*	2E-06	*(1E-06, 3E-06)*	5E-08	*(3E-08, 8E-08)*	**2E-05**	*(1E-05, 4E-05)*
Produce Farmer	1E-07	*(5E-08, 2E-07)*	4E-06	*(1E-06, 1E-05)*	5E-08	*(2E-08, 1E-07)*	5E-07	*(2E-07, 9E-07)*	7E-06	*(3E-06, 2E-05)*	8E-08	*(4E-08, 2E-07)*	**1E-05**	*(6E-06, 3E-05)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	9E-06	*(4E-06, 2E-05)*	1E-07	*(5E-08, 3E-07)*	3E-06	*(2E-06, 6E-06)*	3E-06	*(2E-06, 5E-06)*	1E-07	*(6E-08, 3E-07)*	**2E-05**	*(9E-06, 3E-05)*
Total	**4E-04**	***(2E-04, 8E-04)***	**5E-02**	***(3E-02, 9E-02)***	**4E-04**	***(2E-04, 8E-04)***	**2E-02**	***(8E-03, 3E-02)***	**3E-02**	***(1E-02, 7E-02)***	**1E-03**	***(5E-04, 2E-03)***	**1E-01**	***(6E-02, 2E-01)***
MACT Floor Emissions														
Resident	2E-04	*(9E-05, 4E-04)*	4E-03	*(2E-03, 8E-03)*	9E-05	*(4E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 9E-03)*	2E-04	*(9E-05, 4E-04)*	**9E-03**	*(5E-03, 2E-02)*
Home Gardener	2E-04	*(8E-05, 4E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Beef Farmer	8E-06	*(3E-06, 2E-05)*	1E-05	*(4E-06, 3E-05)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(5E-08, 2E-07)*	**2E-05**	*(1E-05, 5E-05)*
Dairy Farmer	4E-06	*(2E-06, 7E-06)*	1E-06	*(6E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	5E-07	*(3E-07, 8E-07)*	1E-08	*(8E-09, 2E-08)*	**6E-06**	*(3E-06, 1E-05)*
Produce Farmer	1E-07	*(5E-08, 2E-07)*	9E-07	*(3E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(7E-07, 4E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(1E-06, 6E-06)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	1E-06	*(7E-07, 2E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**4E-04**	***(2E-04, 8E-04)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(7E-05, 3E-04)***	**6E-04**	***(4E-04, 8E-04)***	**7E-03**	***(3E-03, 1E-02)***	**3E-04**	***(1E-04, 6E-04)***	**1E-02**	***(9E-03, 3E-02)***
MACT BTF Emissions														
Resident	1E-04	*(7E-05, 3E-04)*	4E-03	*(2E-03, 8E-03)*	9E-05	*(4E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 9E-03)*	2E-04	*(9E-05, 4E-04)*	**9E-03**	*(5E-03, 2E-02)*
Home Gardener	1E-04	*(6E-05, 2E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 9E-03)*
Beef Farmer	5E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 3E-05)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(5E-08, 2E-07)*	**2E-05**	*(9E-06, 5E-05)*
Dairy Farmer	3E-06	*(2E-06, 6E-06)*	1E-06	*(6E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	5E-07	*(3E-07, 8E-07)*	1E-08	*(8E-09, 2E-08)*	**5E-06**	*(3E-06, 9E-06)*
Produce Farmer	9E-08	*(4E-08, 2E-07)*	9E-07	*(3E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(7E-07, 4E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(1E-06, 6E-06)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	1E-06	*(7E-07, 2E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**3E-04**	***(1E-04, 5E-04)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(7E-05, 3E-04)***	**6E-04**	***(4E-04, 8E-04)***	**7E-03**	***(3E-03, 1E-02)***	**3E-04**	***(1E-04, 6E-04)***	**1E-02**	***(8E-03, 2E-02)***
MACT Standard Emissions														
Resident	2E-04	*(9E-05, 4E-04)*	4E-03	*(2E-03, 8E-03)*	9E-05	*(4E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 9E-03)*	2E-04	*(9E-05, 4E-04)*	**9E-03**	*(5E-03, 2E-02)*
Home Gardener	2E-04	*(8E-05, 4E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Beef Farmer	8E-06	*(3E-06, 2E-05)*	1E-05	*(4E-06, 3E-05)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(5E-08, 2E-07)*	**2E-05**	*(1E-05, 5E-05)*
Dairy Farmer	4E-06	*(2E-06, 7E-06)*	1E-06	*(6E-07, 3E-06)*	3E-08	*(1E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	5E-07	*(3E-07, 8E-07)*	1E-08	*(8E-09, 2E-08)*	**6E-06**	*(3E-06, 1E-05)*
Produce Farmer	1E-07	*(5E-08, 2E-07)*	9E-07	*(3E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-06	*(7E-07, 4E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(1E-06, 6E-06)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	1E-06	*(7E-07, 2E-06)*	7E-08	*(2E-08, 2E-07)*	4E-07	*(2E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	3E-08	*(1E-08, 6E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**4E-04**	***(2E-04, 8E-04)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(7E-05, 3E-04)***	**6E-04**	***(4E-04, 8E-04)***	**7E-03**	***(3E-03, 1E-02)***	**3E-04**	***(1E-04, 6E-04)***	**1E-02**	***(9E-03, 3E-02)***

Table II-D13. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for All Age Groups with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): All Age Groups												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-05	*(1E-05, 1E-04)*	2E-03	*(7E-04, 4E-03)*	6E-06	*(3E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	8E-04	*(4E-04, 2E-03)*	4E-05	*(2E-05, 8E-05)*	**3E-03**	*(1E-03, 5E-03)*
Home Gardener	3E-05	*(1E-05, 7E-05)*	1E-03	*(4E-04, 2E-03)*	4E-06	*(2E-06, 8E-06)*	4E-05	*(2E-05, 7E-05)*	5E-04	*(3E-04, 9E-04)*	3E-05	*(1E-05, 5E-05)*	**2E-03**	*(8E-04, 3E-03)*
Beef Farmer	2E-06	*(9E-07, 4E-06)*	7E-07	*(4E-07, 1E-06)*	2E-09	*(1E-09, 4E-09)*	4E-08	*(2E-08, 6E-08)*	4E-07	*(1E-07, 8E-07)*	8E-09	*(5E-09, 1E-08)*	**3E-06**	*(2E-06, 6E-06)*
Dairy Farmer	5E-07	*(2E-07, 1E-06)*	1E-07	*(4E-08, 2E-07)*	5E-10	*(2E-10, 1E-09)*	4E-09	*(2E-09, 7E-09)*	4E-08	*(2E-08, 1E-07)*	2E-09	*(8E-10, 3E-09)*	**6E-07**	*(3E-07, 1E-06)*
Produce Farmer	2E-09	*(8E-10, 4E-09)*	7E-08	*(3E-08, 2E-07)*	3E-10	*(3E-10, 3E-10)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(9E-09, 4E-08)*	3E-09	*(1E-09, 8E-09)*	**1E-07**	*(4E-08, 2E-07)*
Pork Farmer	1E-07	*(6E-08, 3E-07)*	2E-07	*(9E-08, 3E-07)*	8E-10	*(5E-10, 2E-09)*	2E-08	*(1E-08, 5E-08)*	1E-07	*(5E-08, 2E-07)*	3E-09	*(2E-09, 5E-09)*	**4E-07**	*(3E-07, 7E-07)*
Total	**7E-05**	***(3E-05, 2E-04)***	**3E-03**	***(1E-03, 6E-03)***	**1E-05**	***(5E-06, 2E-05)***	**1E-04**	***(6E-05, 2E-04)***	**1E-03**	***(7E-04, 2E-03)***	**7E-05**	***(4E-05, 1E-04)***	**4E-03**	***(2E-03, 8E-03)***
MACT Floor Emissions														
Resident	4E-05	*(1E-05, 1E-04)*	1E-03	*(4E-04, 3E-03)*	5E-06	*(2E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**2E-03**	*(9E-04, 4E-03)*
Home Gardener	3E-05	*(1E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	3E-06	*(1E-06, 7E-06)*	4E-05	*(2E-05, 7E-05)*	4E-04	*(2E-04, 7E-04)*	1E-05	*(6E-06, 2E-05)*	**1E-03**	*(5E-04, 3E-03)*
Beef Farmer	2E-06	*(9E-07, 4E-06)*	4E-07	*(2E-07, 7E-07)*	2E-09	*(9E-10, 3E-09)*	4E-08	*(2E-08, 6E-08)*	3E-07	*(1E-07, 7E-07)*	3E-09	*(2E-09, 4E-09)*	**3E-06**	*(1E-06, 5E-06)*
Dairy Farmer	5E-07	*(2E-07, 1E-06)*	5E-08	*(2E-08, 1E-07)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 7E-09)*	3E-08	*(1E-08, 9E-08)*	5E-10	*(5E-10, 5E-10)*	**5E-07**	*(3E-07, 1E-06)*
Produce Farmer	2E-09	*(8E-10, 4E-09)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	5E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	2E-09	*(7E-10, 9E-09)*	**6E-08**	*(3E-08, 1E-07)*
Pork Farmer	1E-07	*(6E-08, 3E-07)*	1E-07	*(5E-08, 2E-07)*	6E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 5E-08)*	9E-08	*(5E-08, 2E-07)*	1E-09	*(5E-10, 2E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**7E-05**	***(3E-05, 2E-04)***	**2E-03**	***(7E-04, 6E-03)***	**8E-06**	***(3E-06, 2E-05)***	**1E-04**	***(6E-05, 2E-04)***	**1E-03**	***(5E-04, 2E-03)***	**3E-05**	***(2E-05, 6E-05)***	**3E-03**	***(1E-03, 7E-03)***
MACT BTF Emissions														
Resident	4E-05	*(1E-05, 9E-05)*	1E-03	*(4E-04, 3E-03)*	5E-06	*(2E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**2E-03**	*(9E-04, 4E-03)*
Home Gardener	3E-05	*(1E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	3E-06	*(1E-06, 7E-06)*	4E-05	*(2E-05, 7E-05)*	4E-04	*(2E-04, 7E-04)*	1E-05	*(6E-06, 2E-05)*	**1E-03**	*(5E-04, 3E-03)*
Beef Farmer	2E-06	*(9E-07, 4E-06)*	4E-07	*(2E-07, 7E-07)*	2E-09	*(9E-10, 3E-09)*	4E-08	*(2E-08, 6E-08)*	3E-07	*(1E-07, 7E-07)*	3E-09	*(2E-09, 4E-09)*	**3E-06**	*(1E-06, 5E-06)*
Dairy Farmer	5E-07	*(2E-07, 1E-06)*	5E-08	*(2E-08, 1E-07)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 7E-09)*	3E-08	*(1E-08, 9E-08)*	5E-10	*(5E-10, 5E-10)*	**5E-07**	*(3E-07, 1E-06)*
Produce Farmer	2E-09	*(8E-10, 4E-09)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	5E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	2E-09	*(7E-10, 9E-09)*	**6E-08**	*(3E-08, 1E-07)*
Pork Farmer	1E-07	*(6E-08, 3E-07)*	1E-07	*(5E-08, 2E-07)*	6E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 5E-08)*	9E-08	*(5E-08, 2E-07)*	1E-09	*(5E-10, 2E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**7E-05**	***(3E-05, 2E-04)***	**2E-03**	***(7E-04, 6E-03)***	**8E-06**	***(3E-06, 2E-05)***	**1E-04**	***(6E-05, 2E-04)***	**1E-03**	***(5E-04, 2E-03)***	**3E-05**	***(2E-05, 6E-05)***	**3E-03**	***(1E-03, 7E-03)***
MACT Standard Emissions														
Resident	4E-05	*(1E-05, 1E-04)*	1E-03	*(4E-04, 3E-03)*	5E-06	*(2E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**2E-03**	*(9E-04, 4E-03)*
Home Gardener	3E-05	*(1E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	3E-06	*(1E-06, 7E-06)*	4E-05	*(2E-05, 7E-05)*	4E-04	*(2E-04, 7E-04)*	1E-05	*(6E-06, 2E-05)*	**1E-03**	*(5E-04, 3E-03)*
Beef Farmer	2E-06	*(9E-07, 4E-06)*	4E-07	*(2E-07, 7E-07)*	2E-09	*(9E-10, 3E-09)*	4E-08	*(2E-08, 6E-08)*	3E-07	*(1E-07, 7E-07)*	3E-09	*(2E-09, 4E-09)*	**3E-06**	*(1E-06, 5E-06)*
Dairy Farmer	5E-07	*(2E-07, 1E-06)*	5E-08	*(2E-08, 1E-07)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 7E-09)*	3E-08	*(1E-08, 9E-08)*	5E-10	*(5E-10, 5E-10)*	**5E-07**	*(3E-07, 1E-06)*
Produce Farmer	2E-09	*(8E-10, 4E-09)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	5E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	2E-09	*(7E-10, 9E-09)*	**6E-08**	*(3E-08, 1E-07)*
Pork Farmer	1E-07	*(6E-08, 3E-07)*	1E-07	*(5E-08, 2E-07)*	6E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 5E-08)*	9E-08	*(5E-08, 2E-07)*	1E-09	*(5E-10, 2E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**7E-05**	***(3E-05, 2E-04)***	**2E-03**	***(7E-04, 6E-03)***	**8E-06**	***(3E-06, 2E-05)***	**1E-04**	***(6E-05, 2E-04)***	**1E-03**	***(5E-04, 2E-03)***	**3E-05**	***(2E-05, 6E-05)***	**3E-03**	***(1E-03, 7E-03)***

Table II-D14. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Cement Kilns

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-05	*(2E-05, 4E-05)*	2E-05	*(1E-05, 2E-05)*	7E-07	*(5E-07, 1E-06)*	3E-05	*(2E-05, 3E-05)*	6E-06	*(6E-06, 6E-06)*	2E-06	*(2E-06, 2E-06)*	**8E-05**	*(6E-05, 1E-04)*
Home Gardener	2E-05	*(1E-05, 3E-05)*	1E-05	*(7E-06, 1E-05)*	4E-07	*(3E-07, 7E-07)*	2E-05	*(1E-05, 2E-05)*	4E-06	*(4E-06, 4E-06)*	1E-06	*(9E-07, 1E-06)*	**5E-05**	*(4E-05, 7E-05)*
Beef Farmer	6E-06	*(5E-06, 7E-06)*	3E-07	*(2E-07, 3E-07)*	1E-08	*(8E-09, 1E-08)*	6E-07	*(6E-07, 7E-07)*	4E-08	*(3E-08, 5E-08)*	2E-08	*(2E-08, 3E-08)*	**7E-06**	*(6E-06, 8E-06)*
Dairy Farmer	1E-05	*(6E-06, 2E-05)*	3E-08	*(2E-08, 4E-08)*	1E-09	*(1E-09, 1E-09)*	9E-08	*(6E-08, 1E-07)*	7E-09	*(6E-09, 7E-09)*	4E-09	*(3E-09, 5E-09)*	**1E-05**	*(7E-06, 2E-05)*
Produce Farmer	3E-08	*(2E-08, 4E-08)*	2E-08	*(9E-09, 3E-08)*	7E-10	*(7E-10, 7E-10)*	3E-08	*(2E-08, 4E-08)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 4E-09)*	**8E-08**	*(6E-08, 1E-07)*
Pork Farmer	8E-07	*(6E-07, 1E-06)*	1E-07	*(8E-08, 2E-07)*	6E-09	*(4E-09, 8E-09)*	3E-07	*(3E-07, 3E-07)*	1E-08	*(1E-08, 1E-08)*	2E-08	*(1E-08, 2E-08)*	**1E-06**	*(1E-06, 2E-06)*
Total	**6E-05**	***(5E-05, 9E-05)***	**3E-05**	***(2E-05, 4E-05)***	**1E-06**	***(8E-07, 2E-06)***	**5E-05**	***(4E-05, 6E-05)***	**1E-05**	***(9E-06, 1E-05)***	**3E-06**	***(2E-06, 3E-06)***	**1E-04**	***(1E-04, 2E-04)***
MACT Floor Emissions														
Resident	2E-05	*(2E-05, 3E-05)*	1E-05	*(8E-06, 2E-05)*	6E-07	*(4E-07, 1E-06)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 6E-06)*	2E-06	*(1E-06, 2E-06)*	**6E-05**	*(5E-05, 8E-05)*
Home Gardener	2E-05	*(1E-05, 2E-05)*	8E-06	*(5E-06, 1E-05)*	4E-07	*(3E-07, 6E-07)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	1E-06	*(9E-07, 1E-06)*	**4E-05**	*(3E-05, 5E-05)*
Beef Farmer	4E-06	*(4E-06, 5E-06)*	2E-07	*(1E-07, 2E-07)*	9E-09	*(7E-09, 1E-08)*	4E-07	*(4E-07, 5E-07)*	4E-08	*(3E-08, 5E-08)*	2E-08	*(2E-08, 3E-08)*	**5E-06**	*(4E-06, 6E-06)*
Dairy Farmer	7E-06	*(5E-06, 1E-05)*	2E-08	*(2E-08, 3E-08)*	1E-09	*(1E-09, 1E-09)*	5E-08	*(4E-08, 7E-08)*	6E-09	*(6E-09, 6E-09)*	3E-09	*(2E-09, 4E-09)*	**7E-06**	*(5E-06, 1E-05)*
Produce Farmer	2E-08	*(1E-08, 3E-08)*	9E-09	*(6E-09, 1E-08)*	5E-10	*(5E-10, 5E-10)*	2E-08	*(2E-08, 2E-08)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	**6E-08**	*(4E-08, 7E-08)*
Pork Farmer	5E-07	*(4E-07, 7E-07)*	7E-08	*(5E-08, 1E-07)*	4E-09	*(3E-09, 5E-09)*	2E-07	*(2E-07, 2E-07)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	**9E-07**	*(7E-07, 1E-06)*
Total	**5E-05**	***(4E-05, 6E-05)***	**2E-05**	***(1E-05, 3E-05)***	**1E-06**	***(7E-07, 2E-06)***	**3E-05**	***(3E-05, 4E-05)***	**9E-06**	***(9E-06, 1E-05)***	**3E-06**	***(2E-06, 3E-06)***	**1E-04**	***(9E-05, 1E-04)***
MACT BTF Emissions														
Resident	1E-05	*(1E-05, 2E-05)*	1E-05	*(8E-06, 2E-05)*	6E-07	*(4E-07, 1E-06)*	9E-06	*(8E-06, 1E-05)*	6E-06	*(5E-06, 6E-06)*	2E-06	*(1E-06, 2E-06)*	**4E-05**	*(3E-05, 6E-05)*
Home Gardener	1E-05	*(8E-06, 1E-05)*	8E-06	*(5E-06, 1E-05)*	4E-07	*(3E-07, 6E-07)*	6E-06	*(5E-06, 7E-06)*	3E-06	*(3E-06, 4E-06)*	1E-06	*(9E-07, 1E-06)*	**3E-05**	*(2E-05, 4E-05)*
Beef Farmer	2E-06	*(2E-06, 3E-06)*	2E-07	*(1E-07, 2E-07)*	9E-09	*(7E-09, 1E-08)*	2E-07	*(2E-07, 2E-07)*	4E-08	*(3E-08, 5E-08)*	2E-08	*(2E-08, 3E-08)*	**3E-06**	*(2E-06, 3E-06)*
Dairy Farmer	4E-06	*(3E-06, 5E-06)*	2E-08	*(2E-08, 3E-08)*	1E-09	*(1E-09, 1E-09)*	2E-08	*(2E-08, 3E-08)*	6E-09	*(6E-09, 6E-09)*	3E-09	*(2E-09, 4E-09)*	**4E-06**	*(3E-06, 5E-06)*
Produce Farmer	1E-08	*(8E-09, 1E-08)*	9E-09	*(6E-09, 1E-08)*	5E-10	*(5E-10, 5E-10)*	9E-09	*(8E-09, 1E-08)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	**4E-08**	*(3E-08, 5E-08)*
Pork Farmer	3E-07	*(2E-07, 3E-07)*	7E-08	*(5E-08, 1E-07)*	4E-09	*(3E-09, 5E-09)*	9E-08	*(8E-08, 1E-07)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	**5E-07**	*(4E-07, 5E-07)*
Total	**3E-05**	***(2E-05, 4E-05)***	**2E-05**	***(1E-05, 3E-05)***	**1E-06**	***(7E-07, 2E-06)***	**2E-05**	***(1E-05, 2E-05)***	**9E-06**	***(9E-06, 1E-05)***	**3E-06**	***(2E-06, 3E-06)***	**8E-05**	***(6E-05, 1E-04)***
MACT Standard Emissions														
Resident	2E-05	*(2E-05, 3E-05)*	1E-05	*(8E-06, 2E-05)*	6E-07	*(4E-07, 1E-06)*	9E-06	*(8E-06, 1E-05)*	6E-06	*(5E-06, 6E-06)*	2E-06	*(1E-06, 2E-06)*	**5E-05**	*(4E-05, 6E-05)*
Home Gardener	2E-05	*(1E-05, 2E-05)*	8E-06	*(5E-06, 1E-05)*	4E-07	*(3E-07, 6E-07)*	6E-06	*(5E-06, 7E-06)*	3E-06	*(3E-06, 4E-06)*	1E-06	*(9E-07, 1E-06)*	**3E-05**	*(3E-05, 4E-05)*
Beef Farmer	4E-06	*(4E-06, 5E-06)*	2E-07	*(1E-07, 2E-07)*	9E-09	*(7E-09, 1E-08)*	2E-07	*(2E-07, 2E-07)*	4E-08	*(3E-08, 5E-08)*	2E-08	*(2E-08, 3E-08)*	**5E-06**	*(4E-06, 5E-06)*
Dairy Farmer	7E-06	*(5E-06, 1E-05)*	2E-08	*(2E-08, 3E-08)*	1E-09	*(1E-09, 1E-09)*	2E-08	*(2E-08, 3E-08)*	6E-09	*(6E-09, 6E-09)*	3E-09	*(2E-09, 4E-09)*	**7E-06**	*(5E-06, 1E-05)*
Produce Farmer	2E-08	*(1E-08, 3E-08)*	9E-09	*(6E-09, 1E-08)*	5E-10	*(5E-10, 5E-10)*	9E-09	*(8E-09, 1E-08)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	**4E-08**	*(3E-08, 6E-08)*
Pork Farmer	5E-07	*(4E-07, 7E-07)*	7E-08	*(5E-08, 1E-07)*	4E-09	*(3E-09, 5E-09)*	9E-08	*(8E-08, 1E-07)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	**7E-07**	*(6E-07, 9E-07)*
Total	**5E-05**	***(4E-05, 6E-05)***	**2E-05**	***(1E-05, 3E-05)***	**1E-06**	***(7E-07, 2E-06)***	**2E-05**	***(1E-05, 2E-05)***	**9E-06**	***(9E-06, 1E-05)***	**3E-06**	***(2E-06, 3E-06)***	**1E-04**	***(8E-05, 1E-04)***

Table II-D15. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Cement Kilns

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	9E-06	*(6E-06, 1E-05)*	9E-06	*(6E-06, 1E-05)*	5E-07	*(4E-07, 8E-07)*	2E-05	*(2E-05, 3E-05)*	4E-06	*(4E-06, 5E-06)*	1E-06	*(1E-06, 2E-06)*	**5E-05**	*(4E-05, 6E-05)*
Home Gardener	8E-06	*(6E-06, 1E-05)*	6E-06	*(4E-06, 8E-06)*	3E-07	*(2E-07, 5E-07)*	1E-05	*(1E-05, 2E-05)*	3E-06	*(3E-06, 3E-06)*	8E-07	*(7E-07, 9E-07)*	**3E-05**	*(2E-05, 4E-05)*
Beef Farmer	6E-06	*(5E-06, 7E-06)*	2E-07	*(1E-07, 2E-07)*	8E-09	*(7E-09, 1E-08)*	5E-07	*(5E-07, 6E-07)*	4E-08	*(3E-08, 4E-08)*	2E-08	*(2E-08, 2E-08)*	**7E-06**	*(6E-06, 8E-06)*
Dairy Farmer	5E-06	*(3E-06, 8E-06)*	2E-08	*(1E-08, 3E-08)*	1E-09	*(1E-09, 1E-09)*	8E-08	*(5E-08, 1E-07)*	6E-09	*(6E-09, 6E-09)*	3E-09	*(2E-09, 4E-09)*	**5E-06**	*(3E-06, 8E-06)*
Produce Farmer	1E-08	*(8E-09, 2E-08)*	1E-08	*(6E-09, 2E-08)*	5E-10	*(5E-10, 5E-10)*	2E-08	*(2E-08, 3E-08)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	**5E-08**	*(4E-08, 7E-08)*
Pork Farmer	4E-07	*(3E-07, 5E-07)*	8E-08	*(5E-08, 1E-07)*	4E-09	*(3E-09, 6E-09)*	2E-07	*(2E-07, 2E-07)*	9E-09	*(8E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	**7E-07**	*(6E-07, 9E-07)*
Total	**3E-05**	***(2E-05, 4E-05)***	**2E-05**	***(1E-05, 2E-05)***	**9E-07**	***(6E-07, 1E-06)***	**4E-05**	***(3E-05, 4E-05)***	**7E-06**	***(7E-06, 7E-06)***	**2E-06**	***(2E-06, 3E-06)***	**9E-05**	***(7E-05, 1E-04)***
MACT Floor Emissions														
Resident	7E-06	*(5E-06, 1E-05)*	7E-06	*(5E-06, 1E-05)*	5E-07	*(3E-07, 7E-07)*	1E-05	*(1E-05, 2E-05)*	4E-06	*(4E-06, 4E-06)*	1E-06	*(1E-06, 1E-06)*	**3E-05**	*(3E-05, 4E-05)*
Home Gardener	6E-06	*(4E-06, 8E-06)*	5E-06	*(3E-06, 7E-06)*	3E-07	*(2E-07, 4E-07)*	9E-06	*(8E-06, 1E-05)*	2E-06	*(2E-06, 3E-06)*	8E-07	*(6E-07, 9E-07)*	**2E-05**	*(2E-05, 3E-05)*
Beef Farmer	4E-06	*(4E-06, 5E-06)*	1E-07	*(1E-07, 2E-07)*	7E-09	*(5E-09, 9E-09)*	3E-07	*(3E-07, 4E-07)*	3E-08	*(3E-08, 4E-08)*	2E-08	*(1E-08, 2E-08)*	**5E-06**	*(4E-06, 5E-06)*
Dairy Farmer	3E-06	*(2E-06, 5E-06)*	1E-08	*(1E-08, 2E-08)*	9E-10	*(9E-10, 9E-10)*	4E-08	*(3E-08, 6E-08)*	5E-09	*(5E-09, 5E-09)*	3E-09	*(2E-09, 3E-09)*	**3E-06**	*(2E-06, 5E-06)*
Produce Farmer	8E-09	*(5E-09, 1E-08)*	6E-09	*(4E-09, 1E-08)*	3E-10	*(3E-10, 3E-10)*	2E-08	*(1E-08, 2E-08)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	**4E-08**	*(3E-08, 5E-08)*
Pork Farmer	3E-07	*(2E-07, 3E-07)*	5E-08	*(3E-08, 7E-08)*	3E-09	*(3E-09, 4E-09)*	2E-07	*(2E-07, 2E-07)*	8E-09	*(7E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	**5E-07**	*(4E-07, 6E-07)*
Total	**2E-05**	***(2E-05, 3E-05)***	**1E-05**	***(8E-06, 2E-05)***	**8E-07**	***(5E-07, 1E-06)***	**2E-05**	***(2E-05, 3E-05)***	**6E-06**	***(6E-06, 7E-06)***	**2E-06**	***(2E-06, 2E-06)***	**7E-05**	***(6E-05, 8E-05)***
MACT BTF Emissions														
Resident	4E-06	*(3E-06, 6E-06)*	7E-06	*(5E-06, 1E-05)*	5E-07	*(3E-07, 7E-07)*	7E-06	*(6E-06, 8E-06)*	4E-06	*(4E-06, 4E-06)*	1E-06	*(1E-06, 1E-06)*	**2E-05**	*(2E-05, 3E-05)*
Home Gardener	4E-06	*(3E-06, 5E-06)*	5E-06	*(3E-06, 7E-06)*	3E-07	*(2E-07, 4E-07)*	4E-06	*(4E-06, 5E-06)*	2E-06	*(2E-06, 3E-06)*	8E-07	*(6E-07, 9E-07)*	**2E-05**	*(1E-05, 2E-05)*
Beef Farmer	2E-06	*(2E-06, 3E-06)*	1E-07	*(1E-07, 2E-07)*	7E-09	*(5E-09, 9E-09)*	1E-07	*(1E-07, 2E-07)*	3E-08	*(3E-08, 4E-08)*	2E-08	*(1E-08, 2E-08)*	**3E-06**	*(2E-06, 3E-06)*
Dairy Farmer	2E-06	*(1E-06, 2E-06)*	1E-08	*(1E-08, 2E-08)*	9E-10	*(9E-10, 9E-10)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(5E-09, 5E-09)*	3E-09	*(2E-09, 3E-09)*	**2E-06**	*(1E-06, 2E-06)*
Produce Farmer	5E-09	*(4E-09, 6E-09)*	6E-09	*(4E-09, 1E-08)*	3E-10	*(3E-10, 3E-10)*	7E-09	*(6E-09, 9E-09)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	**2E-08**	*(2E-08, 3E-08)*
Pork Farmer	1E-07	*(1E-07, 2E-07)*	5E-08	*(3E-08, 7E-08)*	3E-09	*(3E-09, 4E-09)*	7E-08	*(6E-08, 7E-08)*	8E-09	*(7E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	**3E-07**	*(2E-07, 3E-07)*
Total	**1E-05**	***(1E-05, 2E-05)***	**1E-05**	***(8E-06, 2E-05)***	**8E-07**	***(5E-07, 1E-06)***	**1E-05**	***(1E-05, 1E-05)***	**6E-06**	***(6E-06, 7E-06)***	**2E-06**	***(2E-06, 2E-06)***	**5E-05**	***(4E-05, 6E-05)***
MACT Standard Emissions														
Resident	7E-06	*(5E-06, 1E-05)*	7E-06	*(5E-06, 1E-05)*	5E-07	*(3E-07, 7E-07)*	7E-06	*(6E-06, 8E-06)*	4E-06	*(4E-06, 4E-06)*	1E-06	*(1E-06, 1E-06)*	**3E-05**	*(2E-05, 3E-05)*
Home Gardener	6E-06	*(4E-06, 8E-06)*	5E-06	*(3E-06, 7E-06)*	3E-07	*(2E-07, 4E-07)*	4E-06	*(4E-06, 5E-06)*	2E-06	*(2E-06, 3E-06)*	8E-07	*(6E-07, 9E-07)*	**2E-05**	*(1E-05, 2E-05)*
Beef Farmer	4E-06	*(4E-06, 5E-06)*	1E-07	*(1E-07, 2E-07)*	7E-09	*(5E-09, 9E-09)*	1E-07	*(1E-07, 2E-07)*	3E-08	*(3E-08, 4E-08)*	2E-08	*(1E-08, 2E-08)*	**4E-06**	*(4E-06, 5E-06)*
Dairy Farmer	3E-06	*(2E-06, 5E-06)*	1E-08	*(1E-08, 2E-08)*	9E-10	*(9E-10, 9E-10)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(5E-09, 5E-09)*	3E-09	*(2E-09, 3E-09)*	**3E-06**	*(2E-06, 5E-06)*
Produce Farmer	8E-09	*(5E-09, 1E-08)*	6E-09	*(4E-09, 1E-08)*	3E-10	*(3E-10, 3E-10)*	7E-09	*(6E-09, 9E-09)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	**3E-08**	*(2E-08, 3E-08)*
Pork Farmer	3E-07	*(2E-07, 3E-07)*	5E-08	*(3E-08, 7E-08)*	3E-09	*(3E-09, 4E-09)*	7E-08	*(6E-08, 7E-08)*	8E-09	*(7E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	**4E-07**	*(3E-07, 5E-07)*
Total	**2E-05**	***(2E-05, 3E-05)***	**1E-05**	***(8E-06, 2E-05)***	**8E-07**	***(5E-07, 1E-06)***	**1E-05**	***(1E-05, 1E-05)***	**6E-06**	***(6E-06, 7E-06)***	**2E-06**	***(2E-06, 2E-06)***	**5E-05**	***(4E-05, 7E-05)***

Table II-D16. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Cement Kilns

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	8E-06	*(5E-06, 1E-05)*	8E-06	*(6E-06, 1E-05)*	5E-07	*(3E-07, 7E-07)*	2E-05	*(2E-05, 3E-05)*	4E-06	*(4E-06, 4E-06)*	1E-06	*(1E-06, 1E-06)*	**4E-05**	*(4E-05, 5E-05)*
Home Gardener	7E-06	*(5E-06, 9E-06)*	5E-06	*(4E-06, 7E-06)*	3E-07	*(2E-07, 4E-07)*	1E-05	*(1E-05, 2E-05)*	2E-06	*(2E-06, 2E-06)*	8E-07	*(7E-07, 9E-07)*	**3E-05**	*(2E-05, 3E-05)*
Beef Farmer	4E-06	*(3E-06, 5E-06)*	2E-07	*(1E-07, 2E-07)*	7E-09	*(6E-09, 9E-09)*	5E-07	*(4E-07, 5E-07)*	3E-08	*(3E-08, 4E-08)*	2E-08	*(1E-08, 2E-08)*	**4E-06**	*(4E-06, 5E-06)*
Dairy Farmer	3E-06	*(2E-06, 5E-06)*	2E-08	*(1E-08, 2E-08)*	9E-10	*(9E-10, 9E-10)*	6E-08	*(5E-08, 9E-08)*	5E-09	*(5E-09, 5E-09)*	2E-09	*(2E-09, 3E-09)*	**3E-06**	*(2E-06, 5E-06)*
Produce Farmer	9E-09	*(6E-09, 1E-08)*	1E-08	*(6E-09, 2E-08)*	5E-10	*(5E-10, 5E-10)*	2E-08	*(2E-08, 3E-08)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(1E-09, 2E-09)*	**4E-08**	*(3E-08, 6E-08)*
Pork Farmer	3E-07	*(3E-07, 5E-07)*	7E-08	*(5E-08, 1E-07)*	4E-09	*(3E-09, 6E-09)*	2E-07	*(2E-07, 2E-07)*	8E-09	*(7E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	**6E-07**	*(5E-07, 8E-07)*
Total	**2E-05**	***(2E-05, 3E-05)***	**1E-05**	***(1E-05, 2E-05)***	**8E-07**	***(6E-07, 1E-06)***	**4E-05**	***(3E-05, 4E-05)***	**6E-06**	***(6E-06, 6E-06)***	**2E-06**	***(2E-06, 2E-06)***	**8E-05**	***(7E-05, 1E-04)***
MACT Floor Emissions														
Resident	6E-06	*(4E-06, 8E-06)*	7E-06	*(4E-06, 1E-05)*	4E-07	*(3E-07, 6E-07)*	2E-05	*(1E-05, 2E-05)*	3E-06	*(3E-06, 4E-06)*	1E-06	*(1E-06, 1E-06)*	**3E-05**	*(3E-05, 4E-05)*
Home Gardener	5E-06	*(4E-06, 7E-06)*	4E-06	*(3E-06, 6E-06)*	2E-07	*(2E-07, 4E-07)*	1E-05	*(9E-06, 1E-05)*	2E-06	*(2E-06, 2E-06)*	8E-07	*(7E-07, 9E-07)*	**2E-05**	*(2E-05, 3E-05)*
Beef Farmer	3E-06	*(2E-06, 3E-06)*	1E-07	*(8E-08, 1E-07)*	6E-09	*(5E-09, 8E-09)*	3E-07	*(3E-07, 3E-07)*	3E-08	*(2E-08, 4E-08)*	2E-08	*(1E-08, 2E-08)*	**3E-06**	*(3E-06, 4E-06)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	1E-08	*(1E-08, 2E-08)*	7E-10	*(7E-10, 7E-10)*	4E-08	*(3E-08, 5E-08)*	4E-09	*(4E-09, 4E-09)*	2E-09	*(2E-09, 3E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	6E-09	*(4E-09, 9E-09)*	6E-09	*(3E-09, 9E-09)*	3E-10	*(3E-10, 3E-10)*	1E-08	*(1E-08, 2E-08)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(1E-09, 2E-09)*	**3E-08**	*(2E-08, 4E-08)*
Pork Farmer	2E-07	*(2E-07, 3E-07)*	4E-08	*(3E-08, 6E-08)*	3E-09	*(2E-09, 4E-09)*	2E-07	*(2E-07, 2E-07)*	7E-09	*(6E-09, 8E-09)*	1E-08	*(7E-09, 2E-08)*	**5E-07**	*(4E-07, 5E-07)*
Total	**2E-05**	***(1E-05, 2E-05)***	**1E-05**	***(7E-06, 2E-05)***	**7E-07**	***(5E-07, 1E-06)***	**3E-05**	***(2E-05, 3E-05)***	**6E-06**	***(5E-06, 6E-06)***	**2E-06**	***(2E-06, 2E-06)***	**6E-05**	***(5E-05, 7E-05)***
MACT BTF Emissions														
Resident	4E-06	*(3E-06, 5E-06)*	7E-06	*(4E-06, 1E-05)*	4E-07	*(3E-07, 6E-07)*	7E-06	*(7E-06, 8E-06)*	3E-06	*(3E-06, 4E-06)*	1E-06	*(1E-06, 1E-06)*	**2E-05**	*(2E-05, 3E-05)*
Home Gardener	3E-06	*(3E-06, 4E-06)*	4E-06	*(3E-06, 6E-06)*	2E-07	*(2E-07, 4E-07)*	5E-06	*(4E-06, 5E-06)*	2E-06	*(2E-06, 2E-06)*	8E-07	*(7E-07, 9E-07)*	**1E-05**	*(1E-05, 2E-05)*
Beef Farmer	2E-06	*(1E-06, 2E-06)*	1E-07	*(8E-08, 1E-07)*	6E-09	*(5E-09, 8E-09)*	1E-07	*(1E-07, 1E-07)*	3E-08	*(2E-08, 4E-08)*	2E-08	*(1E-08, 2E-08)*	**2E-06**	*(2E-06, 2E-06)*
Dairy Farmer	1E-06	*(8E-07, 1E-06)*	1E-08	*(1E-08, 2E-08)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(1E-08, 2E-08)*	4E-09	*(4E-09, 4E-09)*	2E-09	*(2E-09, 3E-09)*	**1E-06**	*(8E-07, 2E-06)*
Produce Farmer	4E-09	*(3E-09, 5E-09)*	6E-09	*(3E-09, 9E-09)*	3E-10	*(3E-10, 3E-10)*	6E-09	*(5E-09, 8E-09)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(1E-09, 2E-09)*	**2E-08**	*(2E-08, 3E-08)*
Pork Farmer	1E-07	*(1E-07, 1E-07)*	4E-08	*(3E-08, 6E-08)*	3E-09	*(2E-09, 4E-09)*	6E-08	*(6E-08, 7E-08)*	7E-09	*(6E-09, 8E-09)*	1E-08	*(7E-09, 2E-08)*	**2E-07**	*(2E-07, 3E-07)*
Total	**1E-05**	***(8E-06, 1E-05)***	**1E-05**	***(7E-06, 2E-05)***	**7E-07**	***(5E-07, 1E-06)***	**1E-05**	***(1E-05, 1E-05)***	**6E-06**	***(5E-06, 6E-06)***	**2E-06**	***(2E-06, 2E-06)***	**4E-05**	***(3E-05, 5E-05)***
MACT Standard Emissions														
Resident	6E-06	*(4E-06, 8E-06)*	7E-06	*(4E-06, 1E-05)*	4E-07	*(3E-07, 6E-07)*	7E-06	*(7E-06, 8E-06)*	3E-06	*(3E-06, 4E-06)*	1E-06	*(1E-06, 1E-06)*	**2E-05**	*(2E-05, 3E-05)*
Home Gardener	5E-06	*(4E-06, 7E-06)*	4E-06	*(3E-06, 6E-06)*	2E-07	*(2E-07, 4E-07)*	5E-06	*(4E-06, 5E-06)*	2E-06	*(2E-06, 2E-06)*	8E-07	*(7E-07, 9E-07)*	**2E-05**	*(1E-05, 2E-05)*
Beef Farmer	3E-06	*(2E-06, 3E-06)*	1E-07	*(8E-08, 1E-07)*	6E-09	*(5E-09, 8E-09)*	1E-07	*(1E-07, 1E-07)*	3E-08	*(2E-08, 4E-08)*	2E-08	*(1E-08, 2E-08)*	**3E-06**	*(3E-06, 3E-06)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	1E-08	*(1E-08, 2E-08)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(1E-08, 2E-08)*	4E-09	*(4E-09, 4E-09)*	2E-09	*(2E-09, 3E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	6E-09	*(4E-09, 9E-09)*	6E-09	*(3E-09, 9E-09)*	3E-10	*(3E-10, 3E-10)*	6E-09	*(5E-09, 8E-09)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(1E-09, 2E-09)*	**2E-08**	*(2E-08, 3E-08)*
Pork Farmer	2E-07	*(2E-07, 3E-07)*	4E-08	*(3E-08, 6E-08)*	3E-09	*(2E-09, 4E-09)*	6E-08	*(6E-08, 7E-08)*	7E-09	*(6E-09, 8E-09)*	1E-08	*(7E-09, 2E-08)*	**4E-07**	*(3E-07, 4E-07)*
Total	**2E-05**	***(1E-05, 2E-05)***	**1E-05**	***(7E-06, 2E-05)***	**7E-07**	***(5E-07, 1E-06)***	**1E-05**	***(1E-05, 1E-05)***	**6E-06**	***(5E-06, 6E-06)***	**2E-06**	***(2E-06, 2E-06)***	**5E-05**	***(4E-05, 6E-05)***

Table II-D17. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Cement Kilns

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-05	*(2E-05, 4E-05)*	4E-05	*(3E-05, 6E-05)*	2E-06	*(1E-06, 3E-06)*	1E-04	*(8E-05, 1E-04)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	**2E-04**	*(2E-04, 3E-04)*
Home Gardener	3E-05	*(2E-05, 4E-05)*	3E-05	*(2E-05, 4E-05)*	1E-06	*(9E-07, 2E-06)*	6E-05	*(5E-05, 8E-05)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(3E-06, 4E-06)*	**1E-04**	*(1E-04, 2E-04)*
Beef Farmer	4E-05	*(3E-05, 4E-05)*	1E-06	*(8E-07, 1E-06)*	4E-08	*(3E-08, 5E-08)*	3E-06	*(2E-06, 3E-06)*	2E-07	*(1E-07, 2E-07)*	9E-08	*(8E-08, 1E-07)*	**4E-05**	*(3E-05, 5E-05)*
Dairy Farmer	1E-05	*(8E-06, 2E-05)*	1E-07	*(8E-08, 1E-07)*	4E-09	*(3E-09, 5E-09)*	3E-07	*(2E-07, 5E-07)*	3E-08	*(2E-08, 3E-08)*	1E-08	*(1E-08, 2E-08)*	**1E-05**	*(8E-06, 2E-05)*
Produce Farmer	5E-08	*(3E-08, 8E-08)*	5E-08	*(3E-08, 8E-08)*	2E-09	*(1E-09, 3E-09)*	1E-07	*(8E-08, 1E-07)*	1E-08	*(1E-08, 1E-08)*	8E-09	*(5E-09, 1E-08)*	**2E-07**	*(2E-07, 3E-07)*
Pork Farmer	2E-06	*(2E-06, 3E-06)*	4E-07	*(3E-07, 6E-07)*	2E-08	*(1E-08, 3E-08)*	1E-06	*(1E-06, 1E-06)*	4E-08	*(4E-08, 5E-08)*	6E-08	*(4E-08, 8E-08)*	**4E-06**	*(3E-06, 5E-06)*
Total	**1E-04**	***(8E-05, 1E-04)***	**7E-05**	***(5E-05, 1E-04)***	**3E-06**	***(2E-06, 5E-06)***	**2E-04**	***(1E-04, 2E-04)***	**3E-05**	***(3E-05, 4E-05)***	**1E-05**	***(9E-06, 1E-05)***	**4E-04**	***(3E-04, 5E-04)***
MACT Floor Emissions														
Resident	2E-05	*(2E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	2E-06	*(1E-06, 3E-06)*	7E-05	*(7E-05, 9E-05)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	**2E-04**	*(1E-04, 2E-04)*
Home Gardener	2E-05	*(2E-05, 3E-05)*	2E-05	*(2E-05, 4E-05)*	1E-06	*(7E-07, 2E-06)*	5E-05	*(4E-05, 5E-05)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(3E-06, 4E-06)*	**1E-04**	*(9E-05, 1E-04)*
Beef Farmer	3E-05	*(2E-05, 3E-05)*	8E-07	*(6E-07, 1E-06)*	3E-08	*(2E-08, 4E-08)*	2E-06	*(2E-06, 2E-06)*	2E-07	*(1E-07, 2E-07)*	9E-08	*(7E-08, 1E-07)*	**3E-05**	*(3E-05, 3E-05)*
Dairy Farmer	8E-06	*(5E-06, 1E-05)*	8E-08	*(7E-08, 1E-07)*	4E-09	*(3E-09, 4E-09)*	2E-07	*(2E-07, 3E-07)*	2E-08	*(2E-08, 3E-08)*	1E-08	*(9E-09, 1E-08)*	**8E-06**	*(5E-06, 1E-05)*
Produce Farmer	4E-08	*(3E-08, 6E-08)*	3E-08	*(2E-08, 5E-08)*	1E-09	*(1E-09, 2E-09)*	8E-08	*(7E-08, 9E-08)*	1E-08	*(1E-08, 1E-08)*	7E-09	*(5E-09, 1E-08)*	**2E-07**	*(1E-07, 2E-07)*
Pork Farmer	2E-06	*(1E-06, 2E-06)*	3E-07	*(2E-07, 3E-07)*	1E-08	*(1E-08, 2E-08)*	9E-07	*(8E-07, 9E-07)*	4E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	**3E-06**	*(2E-06, 3E-06)*
Total	**8E-05**	***(7E-05, 1E-04)***	**6E-05**	***(4E-05, 9E-05)***	**3E-06**	***(2E-06, 4E-06)***	**1E-04**	***(1E-04, 1E-04)***	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(9E-06, 1E-05)***	**3E-04**	***(3E-04, 4E-04)***
MACT BTF Emissions														
Resident	1E-05	*(1E-05, 2E-05)*	4E-05	*(2E-05, 6E-05)*	2E-06	*(1E-06, 3E-06)*	3E-05	*(3E-05, 4E-05)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	**1E-04**	*(9E-05, 1E-04)*
Home Gardener	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 4E-05)*	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(3E-06, 4E-06)*	**8E-05**	*(6E-05, 9E-05)*
Beef Farmer	1E-05	*(1E-05, 2E-05)*	8E-07	*(6E-07, 1E-06)*	3E-08	*(2E-08, 4E-08)*	7E-07	*(7E-07, 8E-07)*	2E-07	*(1E-07, 2E-07)*	9E-08	*(7E-08, 1E-07)*	**2E-05**	*(1E-05, 2E-05)*
Dairy Farmer	4E-06	*(3E-06, 6E-06)*	8E-08	*(7E-08, 1E-07)*	4E-09	*(3E-09, 4E-09)*	9E-08	*(7E-08, 1E-07)*	2E-08	*(2E-08, 3E-08)*	1E-08	*(9E-09, 1E-08)*	**4E-06**	*(3E-06, 6E-06)*
Produce Farmer	2E-08	*(2E-08, 3E-08)*	3E-08	*(2E-08, 5E-08)*	1E-09	*(1E-09, 2E-09)*	3E-08	*(3E-08, 4E-08)*	1E-08	*(1E-08, 1E-08)*	7E-09	*(5E-09, 1E-08)*	**1E-07**	*(8E-08, 1E-07)*
Pork Farmer	8E-07	*(7E-07, 1E-06)*	3E-07	*(2E-07, 3E-07)*	1E-08	*(1E-08, 2E-08)*	3E-07	*(3E-07, 4E-07)*	4E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	**2E-06**	*(1E-06, 2E-06)*
Total	**5E-05**	***(4E-05, 6E-05)***	**6E-05**	***(4E-05, 9E-05)***	**3E-06**	***(2E-06, 4E-06)***	**6E-05**	***(5E-05, 6E-05)***	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(9E-06, 1E-05)***	**2E-04**	***(2E-04, 3E-04)***
MACT Standard Emissions														
Resident	2E-05	*(2E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	2E-06	*(1E-06, 3E-06)*	3E-05	*(3E-05, 4E-05)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	**1E-04**	*(1E-04, 1E-04)*
Home Gardener	2E-05	*(2E-05, 3E-05)*	2E-05	*(2E-05, 4E-05)*	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(3E-06, 4E-06)*	**9E-05**	*(7E-05, 1E-04)*
Beef Farmer	3E-05	*(2E-05, 3E-05)*	8E-07	*(6E-07, 1E-06)*	3E-08	*(2E-08, 4E-08)*	7E-07	*(7E-07, 8E-07)*	2E-07	*(1E-07, 2E-07)*	9E-08	*(7E-08, 1E-07)*	**3E-05**	*(2E-05, 3E-05)*
Dairy Farmer	8E-06	*(5E-06, 1E-05)*	8E-08	*(7E-08, 1E-07)*	4E-09	*(3E-09, 4E-09)*	9E-08	*(7E-08, 1E-07)*	2E-08	*(2E-08, 3E-08)*	1E-08	*(9E-09, 1E-08)*	**8E-06**	*(5E-06, 1E-05)*
Produce Farmer	4E-08	*(3E-08, 6E-08)*	3E-08	*(2E-08, 5E-08)*	1E-09	*(1E-09, 2E-09)*	3E-08	*(3E-08, 4E-08)*	1E-08	*(1E-08, 1E-08)*	7E-09	*(5E-09, 1E-08)*	**1E-07**	*(1E-07, 2E-07)*
Pork Farmer	2E-06	*(1E-06, 2E-06)*	3E-07	*(2E-07, 3E-07)*	1E-08	*(1E-08, 2E-08)*	3E-07	*(3E-07, 4E-07)*	4E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	**2E-06**	*(2E-06, 3E-06)*
Total	**8E-05**	***(7E-05, 1E-04)***	**6E-05**	***(4E-05, 9E-05)***	**3E-06**	***(2E-06, 4E-06)***	**6E-05**	***(5E-05, 6E-05)***	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(9E-06, 1E-05)***	**2E-04**	***(2E-04, 3E-04)***

Table II-D18. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-06	*(2E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	1E-07	*(1E-07, 1E-07)*	1E-05	*(1E-05, 1E-05)*	3E-07	*(2E-07, 5E-07)*	4E-07	*(4E-07, 4E-07)*	**2E-05**	*(2E-05, 2E-05)*
Home Gardener	2E-06	*(2E-06, 2E-06)*	9E-07	*(9E-07, 1E-06)*	6E-08	*(6E-08, 6E-08)*	7E-06	*(7E-06, 7E-06)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 3E-07)*	**1E-05**	*(1E-05, 1E-05)*
Beef Farmer	1E-06	*(1E-06, 1E-06)*	7E-08	*(7E-08, 7E-08)*	3E-09	*(3E-09, 3E-09)*	3E-07	*(3E-07, 3E-07)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(1E-08, 1E-08)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	8E-07	*(8E-07, 8E-07)*	5E-09	*(5E-09, 5E-09)*	2E-10	*(2E-10, 2E-10)*	2E-08	*(2E-08, 2E-08)*	5E-10	*(5E-10, 5E-10)*	9E-10	*(9E-10, 9E-10)*	**8E-07**	*(8E-07, 8E-07)*
Produce Farmer	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	9E-11	*(9E-11, 9E-11)*	1E-08	*(1E-08, 1E-08)*	1E-10	*(1E-10, 1E-10)*	4E-10	*(4E-10, 4E-10)*	**2E-08**	*(2E-08, 2E-08)*
Pork Farmer	1E-07	*(1E-07, 1E-07)*	3E-08	*(3E-08, 3E-08)*	1E-09	*(1E-09, 1E-09)*	2E-07	*(2E-07, 2E-07)*	2E-09	*(2E-09, 2E-09)*	6E-09	*(6E-09, 6E-09)*	**3E-07**	*(3E-07, 3E-07)*
Total	**6E-06**	***(6E-06, 6E-06)***	**3E-06**	***(3E-06, 3E-06)***	**2E-07**	***(2E-07, 2E-07)***	**2E-05**	***(2E-05, 2E-05)***	**5E-07**	***(3E-07, 8E-07)***	**7E-07**	***(7E-07, 7E-07)***	**3E-05**	***(3E-05, 3E-05)***
MACT Floor Emissions														
Resident	2E-06	*(2E-06, 2E-06)*	1E-06	*(1E-06, 1E-06)*	7E-08	*(7E-08, 8E-08)*	1E-05	*(1E-05, 1E-05)*	3E-07	*(2E-07, 5E-07)*	4E-07	*(4E-07, 4E-07)*	**1E-05**	*(1E-05, 1E-05)*
Home Gardener	2E-06	*(2E-06, 2E-06)*	7E-07	*(7E-07, 7E-07)*	4E-08	*(4E-08, 5E-08)*	6E-06	*(6E-06, 6E-06)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 3E-07)*	**9E-06**	*(9E-06, 9E-06)*
Beef Farmer	1E-06	*(1E-06, 1E-06)*	5E-08	*(5E-08, 5E-08)*	2E-09	*(2E-09, 2E-09)*	3E-07	*(3E-07, 3E-07)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	8E-07	*(8E-07, 8E-07)*	4E-09	*(4E-09, 4E-09)*	1E-10	*(1E-10, 1E-10)*	2E-08	*(2E-08, 2E-08)*	4E-10	*(4E-10, 4E-10)*	9E-10	*(9E-10, 9E-10)*	**8E-07**	*(8E-07, 8E-07)*
Produce Farmer	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	6E-11	*(6E-11, 6E-11)*	9E-09	*(9E-09, 9E-09)*	9E-11	*(9E-11, 9E-11)*	4E-10	*(4E-10, 4E-10)*	**1E-08**	*(1E-08, 1E-08)*
Pork Farmer	1E-07	*(1E-07, 1E-07)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	2E-07	*(2E-07, 2E-07)*	2E-09	*(2E-09, 2E-09)*	6E-09	*(6E-09, 6E-09)*	**3E-07**	*(3E-07, 3E-07)*
Total	**6E-06**	***(6E-06, 6E-06)***	**2E-06**	***(2E-06, 2E-06)***	**1E-07**	***(1E-07, 1E-07)***	**2E-05**	***(2E-05, 2E-05)***	**5E-07**	***(3E-07, 8E-07)***	**7E-07**	***(7E-07, 7E-07)***	**3E-05**	***(3E-05, 3E-05)***
MACT BTF Emissions														
Resident	1E-06	*(1E-06, 1E-06)*	1E-06	*(1E-06, 1E-06)*	7E-08	*(7E-08, 8E-08)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(2E-07, 5E-07)*	4E-07	*(4E-07, 4E-07)*	**7E-06**	*(7E-06, 7E-06)*
Home Gardener	1E-06	*(9E-07, 1E-06)*	7E-07	*(7E-07, 7E-07)*	4E-08	*(4E-08, 5E-08)*	2E-06	*(2E-06, 2E-06)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 3E-07)*	**4E-06**	*(4E-06, 5E-06)*
Beef Farmer	6E-07	*(6E-07, 6E-07)*	5E-08	*(5E-08, 5E-08)*	2E-09	*(2E-09, 2E-09)*	1E-07	*(1E-07, 1E-07)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*	**8E-07**	*(8E-07, 8E-07)*
Dairy Farmer	5E-07	*(5E-07, 5E-07)*	4E-09	*(4E-09, 4E-09)*	1E-10	*(1E-10, 1E-10)*	8E-09	*(8E-09, 8E-09)*	4E-10	*(4E-10, 4E-10)*	9E-10	*(9E-10, 9E-10)*	**5E-07**	*(5E-07, 5E-07)*
Produce Farmer	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	6E-11	*(6E-11, 6E-11)*	3E-09	*(3E-09, 3E-09)*	9E-11	*(9E-11, 9E-11)*	4E-10	*(4E-10, 4E-10)*	**7E-09**	*(7E-09, 7E-09)*
Pork Farmer	7E-08	*(7E-08, 7E-08)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	6E-08	*(6E-08, 6E-08)*	2E-09	*(2E-09, 2E-09)*	6E-09	*(6E-09, 6E-09)*	**2E-07**	*(2E-07, 2E-07)*
Total	**4E-06**	***(3E-06, 4E-06)***	**2E-06**	***(2E-06, 2E-06)***	**1E-07**	***(1E-07, 1E-07)***	**6E-06**	***(6E-06, 6E-06)***	**5E-07**	***(3E-07, 8E-07)***	**7E-07**	***(7E-07, 7E-07)***	**1E-05**	***(1E-05, 1E-05)***
MACT Standard Emissions														
Resident	2E-06	*(2E-06, 2E-06)*	1E-06	*(1E-06, 1E-06)*	7E-08	*(7E-08, 8E-08)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(2E-07, 5E-07)*	4E-07	*(4E-07, 4E-07)*	**8E-06**	*(8E-06, 8E-06)*
Home Gardener	2E-06	*(2E-06, 2E-06)*	7E-07	*(7E-07, 7E-07)*	4E-08	*(4E-08, 5E-08)*	2E-06	*(2E-06, 2E-06)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 3E-07)*	**5E-06**	*(5E-06, 5E-06)*
Beef Farmer	1E-06	*(1E-06, 1E-06)*	5E-08	*(5E-08, 5E-08)*	2E-09	*(2E-09, 2E-09)*	1E-07	*(1E-07, 1E-07)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	8E-07	*(8E-07, 8E-07)*	4E-09	*(4E-09, 4E-09)*	1E-10	*(1E-10, 1E-10)*	8E-09	*(8E-09, 8E-09)*	4E-10	*(4E-10, 4E-10)*	9E-10	*(9E-10, 9E-10)*	**8E-07**	*(8E-07, 8E-07)*
Produce Farmer	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	6E-11	*(6E-11, 6E-11)*	3E-09	*(3E-09, 3E-09)*	9E-11	*(9E-11, 9E-11)*	4E-10	*(4E-10, 4E-10)*	**8E-09**	*(8E-09, 8E-09)*
Pork Farmer	1E-07	*(1E-07, 1E-07)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	6E-08	*(6E-08, 6E-08)*	2E-09	*(2E-09, 2E-09)*	6E-09	*(6E-09, 6E-09)*	**2E-07**	*(2E-07, 2E-07)*
Total	**6E-06**	***(6E-06, 6E-06)***	**2E-06**	***(2E-06, 2E-06)***	**1E-07**	***(1E-07, 1E-07)***	**6E-06**	***(6E-06, 6E-06)***	**5E-07**	***(3E-07, 8E-07)***	**7E-07**	***(7E-07, 7E-07)***	**2E-05**	***(1E-05, 2E-05)***

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

Table II-D19. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	9E-07	*(9E-07, 9E-07)*	9E-07	*(9E-07, 9E-07)*	7E-08	*(7E-08, 8E-08)*	8E-06	*(8E-06, 8E-06)*	2E-07	*(2E-07, 4E-07)*	3E-07	*(3E-07, 3E-07)*	**1E-05**	*(1E-05, 1E-05)*
Home Gardener	7E-07	*(7E-07, 7E-07)*	6E-07	*(6E-07, 6E-07)*	5E-08	*(4E-08, 5E-08)*	5E-06	*(5E-06, 5E-06)*	2E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*	**7E-06**	*(7E-06, 7E-06)*
Beef Farmer	1E-06	*(1E-06, 1E-06)*	4E-08	*(4E-08, 4E-08)*	2E-09	*(2E-09, 2E-09)*	3E-07	*(3E-07, 3E-07)*	5E-09	*(4E-09, 6E-09)*	9E-09	*(9E-09, 9E-09)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	4E-07	*(4E-07, 4E-07)*	3E-09	*(3E-09, 3E-09)*	2E-10	*(2E-10, 2E-10)*	2E-08	*(2E-08, 2E-08)*	4E-10	*(4E-10, 4E-10)*	7E-10	*(7E-10, 7E-10)*	**4E-07**	*(4E-07, 4E-07)*
Produce Farmer	1E-09	*(1E-09, 1E-09)*	1E-09	*(1E-09, 1E-09)*	7E-11	*(7E-11, 7E-11)*	8E-09	*(8E-09, 8E-09)*	1E-10	*(1E-10, 1E-10)*	3E-10	*(3E-10, 3E-10)*	**1E-08**	*(1E-08, 1E-08)*
Pork Farmer	6E-08	*(6E-08, 6E-08)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	1E-07	*(1E-07, 1E-07)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 5E-09)*	**2E-07**	*(2E-07, 2E-07)*
Total	**3E-06**	***(3E-06, 3E-06)***	**2E-06**	***(2E-06, 2E-06)***	**1E-07**	***(1E-07, 1E-07)***	**1E-05**	***(1E-05, 1E-05)***	**4E-07**	***(3E-07, 6E-07)***	**5E-07**	***(5E-07, 5E-07)***	**2E-05**	***(2E-05, 2E-05)***
MACT Floor Emissions														
Resident	9E-07	*(9E-07, 9E-07)*	6E-07	*(6E-07, 7E-07)*	5E-08	*(5E-08, 6E-08)*	7E-06	*(7E-06, 7E-06)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(3E-07, 3E-07)*	**1E-05**	*(9E-06, 1E-05)*
Home Gardener	7E-07	*(7E-07, 7E-07)*	4E-07	*(4E-07, 4E-07)*	3E-08	*(3E-08, 3E-08)*	5E-06	*(5E-06, 5E-06)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*	**6E-06**	*(6E-06, 6E-06)*
Beef Farmer	1E-06	*(1E-06, 1E-06)*	3E-08	*(3E-08, 3E-08)*	2E-09	*(2E-09, 2E-09)*	2E-07	*(2E-07, 2E-07)*	4E-09	*(3E-09, 6E-09)*	9E-09	*(9E-09, 9E-09)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	4E-07	*(4E-07, 4E-07)*	2E-09	*(2E-09, 2E-09)*	1E-10	*(1E-10, 1E-10)*	2E-08	*(2E-08, 2E-08)*	3E-10	*(3E-10, 3E-10)*	7E-10	*(7E-10, 7E-10)*	**4E-07**	*(4E-07, 4E-07)*
Produce Farmer	1E-09	*(1E-09, 1E-09)*	8E-10	*(8E-10, 8E-10)*	5E-11	*(5E-11, 5E-11)*	7E-09	*(7E-09, 7E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	**1E-08**	*(1E-08, 1E-08)*
Pork Farmer	6E-08	*(6E-08, 6E-08)*	1E-08	*(1E-08, 1E-08)*	8E-10	*(8E-10, 8E-10)*	1E-07	*(1E-07, 1E-07)*	1E-09	*(1E-09, 1E-09)*	5E-09	*(5E-09, 5E-09)*	**2E-07**	*(2E-07, 2E-07)*
Total	**3E-06**	***(3E-06, 3E-06)***	**1E-06**	***(1E-06, 1E-06)***	**9E-08**	***(8E-08, 9E-08)***	**1E-05**	***(1E-05, 1E-05)***	**4E-07**	***(2E-07, 6E-07)***	**5E-07**	***(5E-07, 5E-07)***	**2E-05**	***(2E-05, 2E-05)***
MACT BTF Emissions														
Resident	6E-07	*(5E-07, 6E-07)*	6E-07	*(6E-07, 7E-07)*	5E-08	*(5E-08, 6E-08)*	3E-06	*(3E-06, 3E-06)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(3E-07, 3E-07)*	**5E-06**	*(4E-06, 5E-06)*
Home Gardener	5E-07	*(5E-07, 5E-07)*	4E-07	*(4E-07, 4E-07)*	3E-08	*(3E-08, 3E-08)*	2E-06	*(2E-06, 2E-06)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*	**3E-06**	*(3E-06, 3E-06)*
Beef Farmer	7E-07	*(7E-07, 7E-07)*	3E-08	*(3E-08, 3E-08)*	2E-09	*(2E-09, 2E-09)*	9E-08	*(9E-08, 9E-08)*	4E-09	*(3E-09, 6E-09)*	9E-09	*(9E-09, 9E-09)*	**8E-07**	*(8E-07, 8E-07)*
Dairy Farmer	2E-07	*(2E-07, 2E-07)*	2E-09	*(2E-09, 2E-09)*	1E-10	*(1E-10, 1E-10)*	6E-09	*(6E-09, 6E-09)*	3E-10	*(3E-10, 3E-10)*	7E-10	*(7E-10, 7E-10)*	**2E-07**	*(2E-07, 2E-07)*
Produce Farmer	7E-10	*(7E-10, 7E-10)*	8E-10	*(8E-10, 8E-10)*	5E-11	*(5E-11, 5E-11)*	3E-09	*(3E-09, 3E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	**5E-09**	*(5E-09, 5E-09)*
Pork Farmer	4E-08	*(4E-08, 4E-08)*	1E-08	*(1E-08, 1E-08)*	8E-10	*(8E-10, 8E-10)*	4E-08	*(4E-08, 4E-08)*	1E-09	*(1E-09, 1E-09)*	5E-09	*(5E-09, 5E-09)*	**1E-07**	*(1E-07, 1E-07)*
Total	**2E-06**	***(2E-06, 2E-06)***	**1E-06**	***(1E-06, 1E-06)***	**9E-08**	***(8E-08, 9E-08)***	**5E-06**	***(5E-06, 5E-06)***	**4E-07**	***(2E-07, 6E-07)***	**5E-07**	***(5E-07, 5E-07)***	**9E-06**	***(8E-06, 9E-06)***
MACT Standard Emissions														
Resident	9E-07	*(9E-07, 9E-07)*	6E-07	*(6E-07, 7E-07)*	5E-08	*(5E-08, 6E-08)*	3E-06	*(3E-06, 3E-06)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(3E-07, 3E-07)*	**5E-06**	*(5E-06, 5E-06)*
Home Gardener	7E-07	*(7E-07, 7E-07)*	4E-07	*(4E-07, 4E-07)*	3E-08	*(3E-08, 3E-08)*	2E-06	*(2E-06, 2E-06)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*	**3E-06**	*(3E-06, 3E-06)*
Beef Farmer	1E-06	*(1E-06, 1E-06)*	3E-08	*(3E-08, 3E-08)*	2E-09	*(2E-09, 2E-09)*	9E-08	*(9E-08, 9E-08)*	4E-09	*(3E-09, 6E-09)*	9E-09	*(9E-09, 9E-09)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	4E-07	*(4E-07, 4E-07)*	2E-09	*(2E-09, 2E-09)*	1E-10	*(1E-10, 1E-10)*	6E-09	*(6E-09, 6E-09)*	3E-10	*(3E-10, 3E-10)*	7E-10	*(7E-10, 7E-10)*	**4E-07**	*(4E-07, 4E-07)*
Produce Farmer	1E-09	*(1E-09, 1E-09)*	8E-10	*(8E-10, 8E-10)*	5E-11	*(5E-11, 5E-11)*	3E-09	*(3E-09, 3E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	**5E-09**	*(5E-09, 5E-09)*
Pork Farmer	6E-08	*(6E-08, 6E-08)*	1E-08	*(1E-08, 1E-08)*	8E-10	*(8E-10, 8E-10)*	4E-08	*(4E-08, 4E-08)*	1E-09	*(1E-09, 1E-09)*	5E-09	*(5E-09, 5E-09)*	**1E-07**	*(1E-07, 1E-07)*
Total	**3E-06**	***(3E-06, 3E-06)***	**1E-06**	***(1E-06, 1E-06)***	**9E-08**	***(8E-08, 9E-08)***	**5E-06**	***(5E-06, 5E-06)***	**4E-07**	***(2E-07, 6E-07)***	**5E-07**	***(5E-07, 5E-07)***	**1E-05**	***(1E-05, 1E-05)***

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

Table II-D20. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-06	*(1E-06, 1E-06)*	1E-06	*(1E-06, 1E-06)*	1E-07	*(1E-07, 1E-07)*	1E-05	*(1E-05, 1E-05)*	3E-07	*(2E-07, 4E-07)*	4E-07	*(4E-07, 4E-07)*	**2E-05**	*(2E-05, 2E-05)*
Home Gardener	1E-06	*(1E-06, 1E-06)*	7E-07	*(7E-07, 7E-07)*	6E-08	*(6E-08, 7E-08)*	7E-06	*(7E-06, 7E-06)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(3E-07, 3E-07)*	**1E-05**	*(1E-05, 1E-05)*
Beef Farmer	7E-07	*(7E-07, 7E-07)*	4E-08	*(4E-08, 4E-08)*	2E-09	*(2E-09, 2E-09)*	3E-07	*(3E-07, 3E-07)*	5E-09	*(4E-09, 6E-09)*	9E-09	*(9E-09, 9E-09)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	3E-07	*(3E-07, 3E-07)*	3E-09	*(3E-09, 3E-09)*	2E-10	*(2E-10, 2E-10)*	2E-08	*(2E-08, 2E-08)*	3E-10	*(3E-10, 3E-10)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(3E-07, 3E-07)*
Produce Farmer	1E-09	*(1E-09, 1E-09)*	1E-09	*(1E-09, 1E-09)*	7E-11	*(7E-11, 7E-11)*	8E-09	*(8E-09, 8E-09)*	1E-10	*(1E-10, 1E-10)*	3E-10	*(3E-10, 3E-10)*	**1E-08**	*(1E-08, 1E-08)*
Pork Farmer	6E-08	*(6E-08, 6E-08)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	1E-07	*(1E-07, 1E-07)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 5E-09)*	**2E-07**	*(2E-07, 2E-07)*
Total	**3E-06**	***(3E-06, 3E-06)***	**2E-06**	***(2E-06, 2E-06)***	**2E-07**	***(2E-07, 2E-07)***	**2E-05**	***(2E-05, 2E-05)***	**4E-07**	***(3E-07, 6E-07)***	**7E-07**	***(7E-07, 7E-07)***	**3E-05**	***(3E-05, 3E-05)***
MACT Floor Emissions														
Resident	1E-06	*(1E-06, 1E-06)*	8E-07	*(7E-07, 8E-07)*	8E-08	*(7E-08, 8E-08)*	1E-05	*(1E-05, 1E-05)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(4E-07, 4E-07)*	**1E-05**	*(1E-05, 1E-05)*
Home Gardener	1E-06	*(1E-06, 1E-06)*	5E-07	*(5E-07, 5E-07)*	5E-08	*(4E-08, 5E-08)*	7E-06	*(7E-06, 7E-06)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(3E-07, 3E-07)*	**9E-06**	*(9E-06, 9E-06)*
Beef Farmer	7E-07	*(7E-07, 7E-07)*	2E-08	*(2E-08, 2E-08)*	2E-09	*(2E-09, 2E-09)*	2E-07	*(2E-07, 2E-07)*	4E-09	*(3E-09, 5E-09)*	9E-09	*(9E-09, 9E-09)*	**1E-06**	*(1E-06, 1E-06)*
Dairy Farmer	3E-07	*(3E-07, 3E-07)*	2E-09	*(2E-09, 2E-09)*	1E-10	*(1E-10, 1E-10)*	2E-08	*(2E-08, 2E-08)*	3E-10	*(3E-10, 3E-10)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(3E-07, 3E-07)*
Produce Farmer	1E-09	*(1E-09, 1E-09)*	7E-10	*(7E-10, 7E-10)*	5E-11	*(5E-11, 5E-11)*	7E-09	*(7E-09, 7E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	**9E-09**	*(9E-09, 9E-09)*
Pork Farmer	6E-08	*(6E-08, 6E-08)*	1E-08	*(1E-08, 1E-08)*	8E-10	*(8E-10, 8E-10)*	1E-07	*(1E-07, 1E-07)*	1E-09	*(1E-09, 1E-09)*	5E-09	*(5E-09, 5E-09)*	**2E-07**	*(2E-07, 2E-07)*
Total	**3E-06**	***(3E-06, 3E-06)***	**1E-06**	***(1E-06, 1E-06)***	**1E-07**	***(1E-07, 1E-07)***	**2E-05**	***(2E-05, 2E-05)***	**4E-07**	***(2E-07, 5E-07)***	**7E-07**	***(7E-07, 7E-07)***	**2E-05**	***(2E-05, 2E-05)***
MACT BTF Emissions														
Resident	8E-07	*(7E-07, 8E-07)*	8E-07	*(7E-07, 8E-07)*	8E-08	*(7E-08, 8E-08)*	4E-06	*(4E-06, 4E-06)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(4E-07, 4E-07)*	**6E-06**	*(6E-06, 6E-06)*
Home Gardener	6E-07	*(6E-07, 6E-07)*	5E-07	*(5E-07, 5E-07)*	5E-08	*(4E-08, 5E-08)*	2E-06	*(2E-06, 2E-06)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(3E-07, 3E-07)*	**4E-06**	*(4E-06, 4E-06)*
Beef Farmer	5E-07	*(5E-07, 5E-07)*	2E-08	*(2E-08, 2E-08)*	2E-09	*(2E-09, 2E-09)*	8E-08	*(8E-08, 8E-08)*	4E-09	*(3E-09, 5E-09)*	9E-09	*(9E-09, 9E-09)*	**6E-07**	*(6E-07, 6E-07)*
Dairy Farmer	2E-07	*(2E-07, 2E-07)*	2E-09	*(2E-09, 2E-09)*	1E-10	*(1E-10, 1E-10)*	6E-09	*(6E-09, 6E-09)*	3E-10	*(3E-10, 3E-10)*	7E-10	*(7E-10, 7E-10)*	**2E-07**	*(2E-07, 2E-07)*
Produce Farmer	7E-10	*(7E-10, 7E-10)*	7E-10	*(7E-10, 7E-10)*	5E-11	*(5E-11, 5E-11)*	3E-09	*(3E-09, 3E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	**4E-09**	*(4E-09, 4E-09)*
Pork Farmer	4E-08	*(4E-08, 4E-08)*	1E-08	*(1E-08, 1E-08)*	8E-10	*(8E-10, 8E-10)*	4E-08	*(4E-08, 4E-08)*	1E-09	*(1E-09, 1E-09)*	5E-09	*(5E-09, 5E-09)*	**1E-07**	*(1E-07, 1E-07)*
Total	**2E-06**	***(2E-06, 2E-06)***	**1E-06**	***(1E-06, 1E-06)***	**1E-07**	***(1E-07, 1E-07)***	**7E-06**	***(7E-06, 7E-06)***	**4E-07**	***(2E-07, 5E-07)***	**7E-07**	***(7E-07, 7E-07)***	**1E-05**	***(1E-05, 1E-05)***
MACT Standard Emissions														
Resident	1E-06	*(1E-06, 1E-06)*	8E-07	*(7E-07, 8E-07)*	8E-08	*(7E-08, 8E-08)*	4E-06	*(4E-06, 4E-06)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(4E-07, 4E-07)*	**7E-06**	*(7E-06, 7E-06)*
Home Gardener	1E-06	*(1E-06, 1E-06)*	5E-07	*(5E-07, 5E-07)*	5E-08	*(4E-08, 5E-08)*	2E-06	*(2E-06, 2E-06)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(3E-07, 3E-07)*	**4E-06**	*(4E-06, 5E-06)*
Beef Farmer	7E-07	*(7E-07, 7E-07)*	2E-08	*(2E-08, 2E-08)*	2E-09	*(2E-09, 2E-09)*	8E-08	*(8E-08, 8E-08)*	4E-09	*(3E-09, 5E-09)*	9E-09	*(9E-09, 9E-09)*	**8E-07**	*(8E-07, 9E-07)*
Dairy Farmer	3E-07	*(3E-07, 3E-07)*	2E-09	*(2E-09, 2E-09)*	1E-10	*(1E-10, 1E-10)*	6E-09	*(6E-09, 6E-09)*	3E-10	*(3E-10, 3E-10)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(3E-07, 3E-07)*
Produce Farmer	1E-09	*(1E-09, 1E-09)*	7E-10	*(7E-10, 7E-10)*	5E-11	*(5E-11, 5E-11)*	3E-09	*(3E-09, 3E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	**5E-09**	*(5E-09, 5E-09)*
Pork Farmer	6E-08	*(6E-08, 6E-08)*	1E-08	*(1E-08, 1E-08)*	8E-10	*(8E-10, 8E-10)*	4E-08	*(4E-08, 4E-08)*	1E-09	*(1E-09, 1E-09)*	5E-09	*(5E-09, 5E-09)*	**1E-07**	*(1E-07, 1E-07)*
Total	**3E-06**	***(3E-06, 3E-06)***	**1E-06**	***(1E-06, 1E-06)***	**1E-07**	***(1E-07, 1E-07)***	**7E-06**	***(7E-06, 7E-06)***	**4E-07**	***(2E-07, 5E-07)***	**7E-07**	***(7E-07, 7E-07)***	**1E-05**	***(1E-05, 1E-05)***

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

Table II-D21. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-06	*(4E-06, 4E-06)*	6E-06	*(6E-06, 6E-06)*	4E-07	*(4E-07, 4E-07)*	5E-05	*(5E-05, 5E-05)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	**6E-05**	*(6E-05, 6E-05)*
Home Gardener	4E-06	*(4E-06, 4E-06)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(3E-07, 3E-07)*	3E-05	*(3E-05, 3E-05)*	6E-07	*(5E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	**4E-05**	*(4E-05, 4E-05)*
Beef Farmer	8E-06	*(8E-06, 8E-06)*	3E-07	*(3E-07, 3E-07)*	1E-08	*(1E-08, 1E-08)*	1E-06	*(1E-06, 1E-06)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(5E-08, 5E-08)*	**1E-05**	*(1E-05, 1E-05)*
Dairy Farmer	1E-06	*(1E-06, 1E-06)*	2E-08	*(2E-08, 2E-08)*	9E-10	*(9E-10, 9E-10)*	1E-07	*(1E-07, 1E-07)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(4E-09, 4E-09)*	**1E-06**	*(1E-06, 1E-06)*
Produce Farmer	7E-09	*(7E-09, 7E-09)*	9E-09	*(9E-09, 9E-09)*	4E-10	*(4E-10, 4E-10)*	5E-08	*(5E-08, 5E-08)*	6E-10	*(6E-10, 6E-10)*	2E-09	*(2E-09, 2E-09)*	**6E-08**	*(6E-08, 6E-08)*
Pork Farmer	5E-07	*(5E-07, 5E-07)*	1E-07	*(1E-07, 1E-07)*	6E-09	*(6E-09, 6E-09)*	7E-07	*(7E-07, 7E-07)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(3E-08, 3E-08)*	**1E-06**	*(1E-06, 1E-06)*
Total	**2E-05**	***(2E-05, 2E-05)***	**1E-05**	***(1E-05, 1E-05)***	**7E-07**	***(7E-07, 7E-07)***	**8E-05**	***(8E-05, 8E-05)***	**2E-06**	***(1E-06, 2E-06)***	**3E-06**	***(3E-06, 3E-06)***	**1E-04**	***(1E-04, 1E-04)***
MACT Floor Emissions														
Resident	4E-06	*(4E-06, 4E-06)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(3E-07, 3E-07)*	4E-05	*(4E-05, 4E-05)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	**6E-05**	*(6E-05, 6E-05)*
Home Gardener	4E-06	*(4E-06, 4E-06)*	2E-06	*(2E-06, 3E-06)*	2E-07	*(2E-07, 2E-07)*	3E-05	*(3E-05, 3E-05)*	5E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	**4E-05**	*(4E-05, 4E-05)*
Beef Farmer	8E-06	*(8E-06, 8E-06)*	2E-07	*(2E-07, 2E-07)*	9E-09	*(9E-09, 9E-09)*	1E-06	*(1E-06, 1E-06)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(5E-08, 5E-08)*	**1E-05**	*(1E-05, 1E-05)*
Dairy Farmer	1E-06	*(1E-06, 1E-06)*	2E-08	*(2E-08, 2E-08)*	6E-10	*(6E-10, 6E-10)*	9E-08	*(9E-08, 9E-08)*	1E-09	*(1E-09, 2E-09)*	4E-09	*(4E-09, 4E-09)*	**1E-06**	*(1E-06, 1E-06)*
Produce Farmer	7E-09	*(7E-09, 7E-09)*	7E-09	*(7E-09, 7E-09)*	3E-10	*(3E-10, 3E-10)*	4E-08	*(4E-08, 4E-08)*	4E-10	*(4E-10, 4E-10)*	2E-09	*(2E-09, 2E-09)*	**6E-08**	*(6E-08, 6E-08)*
Pork Farmer	5E-07	*(5E-07, 5E-07)*	1E-07	*(1E-07, 1E-07)*	4E-09	*(4E-09, 4E-09)*	7E-07	*(7E-07, 7E-07)*	7E-09	*(7E-09, 8E-09)*	3E-08	*(3E-08, 3E-08)*	**1E-06**	*(1E-06, 1E-06)*
Total	**2E-05**	***(2E-05, 2E-05)***	**7E-06**	***(7E-06, 7E-06)***	**5E-07**	***(5E-07, 5E-07)***	**7E-05**	***(7E-05, 7E-05)***	**1E-06**	***(1E-06, 2E-06)***	**3E-06**	***(3E-06, 3E-06)***	**1E-04**	***(1E-04, 1E-04)***
MACT BTF Emissions														
Resident	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(3E-07, 3E-07)*	2E-05	*(2E-05, 2E-05)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	**3E-05**	*(3E-05, 3E-05)*
Home Gardener	3E-06	*(3E-06, 3E-06)*	2E-06	*(2E-06, 3E-06)*	2E-07	*(2E-07, 2E-07)*	1E-05	*(1E-05, 1E-05)*	5E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	**2E-05**	*(2E-05, 2E-05)*
Beef Farmer	5E-06	*(5E-06, 5E-06)*	2E-07	*(2E-07, 2E-07)*	9E-09	*(9E-09, 9E-09)*	5E-07	*(5E-07, 5E-07)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(5E-08, 5E-08)*	**6E-06**	*(6E-06, 6E-06)*
Dairy Farmer	6E-07	*(6E-07, 6E-07)*	2E-08	*(2E-08, 2E-08)*	6E-10	*(6E-10, 6E-10)*	3E-08	*(3E-08, 3E-08)*	1E-09	*(1E-09, 2E-09)*	4E-09	*(4E-09, 4E-09)*	**7E-07**	*(7E-07, 7E-07)*
Produce Farmer	4E-09	*(4E-09, 4E-09)*	7E-09	*(7E-09, 7E-09)*	3E-10	*(3E-10, 3E-10)*	2E-08	*(2E-08, 2E-08)*	4E-10	*(4E-10, 4E-10)*	2E-09	*(2E-09, 2E-09)*	**3E-08**	*(3E-08, 3E-08)*
Pork Farmer	3E-07	*(3E-07, 3E-07)*	1E-07	*(1E-07, 1E-07)*	4E-09	*(4E-09, 4E-09)*	2E-07	*(2E-07, 2E-07)*	7E-09	*(7E-09, 8E-09)*	3E-08	*(3E-08, 3E-08)*	**7E-07**	*(7E-07, 7E-07)*
Total	**1E-05**	***(1E-05, 1E-05)***	**7E-06**	***(7E-06, 7E-06)***	**5E-07**	***(5E-07, 5E-07)***	**3E-05**	***(3E-05, 3E-05)***	**1E-06**	***(1E-06, 2E-06)***	**3E-06**	***(3E-06, 3E-06)***	**5E-05**	***(5E-05, 5E-05)***
MACT Standard Emissions														
Resident	4E-06	*(4E-06, 4E-06)*	4E-06	*(4E-06, 4E-06)*	3E-07	*(3E-07, 3E-07)*	2E-05	*(2E-05, 2E-05)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	**3E-05**	*(3E-05, 3E-05)*
Home Gardener	4E-06	*(4E-06, 4E-06)*	2E-06	*(2E-06, 3E-06)*	2E-07	*(2E-07, 2E-07)*	1E-05	*(1E-05, 1E-05)*	5E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*	**2E-05**	*(2E-05, 2E-05)*
Beef Farmer	8E-06	*(8E-06, 8E-06)*	2E-07	*(2E-07, 2E-07)*	9E-09	*(9E-09, 9E-09)*	5E-07	*(5E-07, 5E-07)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(5E-08, 5E-08)*	**9E-06**	*(9E-06, 9E-06)*
Dairy Farmer	1E-06	*(1E-06, 1E-06)*	2E-08	*(2E-08, 2E-08)*	6E-10	*(6E-10, 6E-10)*	3E-08	*(3E-08, 3E-08)*	1E-09	*(1E-09, 2E-09)*	4E-09	*(4E-09, 4E-09)*	**1E-06**	*(1E-06, 1E-06)*
Produce Farmer	7E-09	*(7E-09, 7E-09)*	7E-09	*(7E-09, 7E-09)*	3E-10	*(3E-10, 3E-10)*	2E-08	*(2E-08, 2E-08)*	4E-10	*(4E-10, 4E-10)*	2E-09	*(2E-09, 2E-09)*	**3E-08**	*(3E-08, 3E-08)*
Pork Farmer	5E-07	*(5E-07, 5E-07)*	1E-07	*(1E-07, 1E-07)*	4E-09	*(4E-09, 4E-09)*	2E-07	*(2E-07, 2E-07)*	7E-09	*(7E-09, 8E-09)*	3E-08	*(3E-08, 3E-08)*	**9E-07**	*(9E-07, 9E-07)*
Total	**2E-05**	***(2E-05, 2E-05)***	**7E-06**	***(7E-06, 7E-06)***	**5E-07**	***(5E-07, 5E-07)***	**3E-05**	***(3E-05, 3E-05)***	**1E-06**	***(1E-06, 2E-06)***	**3E-06**	***(3E-06, 3E-06)***	**6E-05**	***(6E-05, 6E-05)***

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

Table II-D22. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5): Lightweight Aggregate Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)						Total Across All Age Groups and Constituents
	Ingestion and Inhalation		Inhalation				
	TCDD	Arsenic	Beryllium	Cadmium	Chromium (VI)	Nickel	
Baseline Emissions							
Resident	1E-04	1E-05	4E-07	9E-06	9E-06	1E-05	**1E-04**
Home Gardener	8E-05	9E-06	2E-07	6E-06	5E-06	7E-06	**1E-04**
Beef Farmer	3E-06	4E-08	2E-09	4E-08	2E-08	5E-09	**3E-06**
Dairy Farmer	6E-06	5E-09	1E-10	4E-09	2E-09	4E-09	**6E-06**
Produce Farmer	1E-08	2E-09	4E-11	1E-09	2E-10	2E-09	**2E-08**
Pork Farmer	1E-07	6E-09	2E-10	6E-09	4E-09	1E-09	**1E-07**
Total	**2E-04**	**2E-05**	**6E-07**	**2E-05**	**1E-05**	**2E-05**	**3E-04**
MACT Floor Emissions							
Resident	1E-04	1E-05	3E-07	9E-06	9E-06	1E-05	**1E-04**
Home Gardener	8E-05	8E-06	2E-07	6E-06	5E-06	7E-06	**1E-04**
Beef Farmer	3E-06	3E-08	1E-09	4E-08	2E-08	4E-09	**3E-06**
Dairy Farmer	6E-06	4E-09	1E-10	4E-09	2E-09	3E-09	**6E-06**
Produce Farmer	1E-08	1E-09	3E-11	1E-09	1E-10	2E-09	**2E-08**
Pork Farmer	1E-07	5E-09	2E-10	6E-09	4E-09	1E-09	**1E-07**
Total	**2E-04**	**2E-05**	**5E-07**	**2E-05**	**1E-05**	**2E-05**	**3E-04**
MACT BTF Emissions							
Resident	1E-05	1E-05	3E-07	7E-06	9E-06	1E-05	**5E-05**
Home Gardener	9E-06	8E-06	2E-07	4E-06	5E-06	7E-06	**3E-05**
Beef Farmer	1E-06	3E-08	1E-09	2E-08	2E-08	4E-09	**1E-06**
Dairy Farmer	1E-06	4E-09	1E-10	2E-09	2E-09	3E-09	**1E-06**
Produce Farmer	2E-09	1E-09	3E-11	7E-10	1E-10	2E-09	**6E-09**
Pork Farmer	4E-08	5E-09	2E-10	3E-09	4E-09	1E-09	**5E-08**
Total	**2E-05**	**2E-05**	**5E-07**	**1E-05**	**1E-05**	**2E-05**	**9E-05**
MACT Standard Emissions							
Resident	2E-05	1E-05	3E-07	7E-06	9E-06	1E-05	**6E-05**
Home Gardener	2E-05	8E-06	2E-07	4E-06	5E-06	7E-06	**4E-05**
Beef Farmer	1E-06	3E-08	1E-09	2E-08	2E-08	4E-09	**1E-06**
Dairy Farmer	2E-06	4E-09	1E-10	2E-09	2E-09	3E-09	**2E-06**
Produce Farmer	3E-09	1E-09	3E-11	7E-10	1E-10	2E-09	**7E-09**
Pork Farmer	4E-08	5E-09	2E-10	3E-09	4E-09	1E-09	**6E-08**
Total	**4E-05**	**2E-05**	**5E-07**	**1E-05**	**1E-05**	**2E-05**	**1E-04**

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

Table II-D23. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11): Lightweight Aggregate Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)						Total Across All Age Groups and Constituents
	Ingestion and Inhalation		Inhalation				
	TCDD	Arsenic	Beryllium	Cadmium	Chromium (VI)	Nickel	
Baseline Emissions							
Resident	4E-05	9E-06	3E-07	7E-06	7E-06	8E-06	**7E-05**
Home Gardener	4E-05	6E-06	2E-07	4E-06	4E-06	5E-06	**5E-05**
Beef Farmer	3E-06	3E-08	1E-09	3E-08	2E-08	4E-09	**3E-06**
Dairy Farmer	3E-06	3E-09	1E-10	3E-09	2E-09	3E-09	**3E-06**
Produce Farmer	7E-09	1E-09	3E-11	8E-10	1E-10	2E-09	**1E-08**
Pork Farmer	6E-08	4E-09	2E-10	5E-09	3E-09	9E-10	**7E-08**
Total	**8E-05**	**1E-05**	**4E-07**	**1E-05**	**1E-05**	**1E-05**	**1E-04**
MACT Floor Emissions							
Resident	4E-05	8E-06	2E-07	7E-06	7E-06	7E-06	**7E-05**
Home Gardener	4E-05	5E-06	1E-07	4E-06	4E-06	4E-06	**5E-05**
Beef Farmer	3E-06	2E-08	1E-09	3E-08	2E-08	3E-09	**3E-06**
Dairy Farmer	3E-06	3E-09	9E-11	3E-09	2E-09	2E-09	**3E-06**
Produce Farmer	7E-09	8E-10	2E-11	8E-10	1E-10	1E-09	**1E-08**
Pork Farmer	6E-08	4E-09	2E-10	5E-09	3E-09	8E-10	**7E-08**
Total	**8E-05**	**1E-05**	**4E-07**	**1E-05**	**1E-05**	**1E-05**	**1E-04**
MACT BTF Emissions							
Resident	4E-06	8E-06	2E-07	5E-06	7E-06	7E-06	**3E-05**
Home Gardener	4E-06	5E-06	1E-07	3E-06	4E-06	4E-06	**2E-05**
Beef Farmer	1E-06	2E-08	1E-09	1E-08	2E-08	3E-09	**1E-06**
Dairy Farmer	5E-07	3E-09	9E-11	2E-09	2E-09	2E-09	**5E-07**
Produce Farmer	7E-10	8E-10	2E-11	5E-10	1E-10	1E-09	**4E-09**
Pork Farmer	2E-08	4E-09	2E-10	2E-09	3E-09	8E-10	**3E-08**
Total	**9E-06**	**1E-05**	**4E-07**	**8E-06**	**1E-05**	**1E-05**	**5E-05**
MACT Standard Emissions							
Resident	7E-06	8E-06	2E-07	5E-06	7E-06	7E-06	**3E-05**
Home Gardener	6E-06	5E-06	1E-07	3E-06	4E-06	4E-06	**2E-05**
Beef Farmer	1E-06	2E-08	1E-09	1E-08	2E-08	3E-09	**1E-06**
Dairy Farmer	7E-07	3E-09	9E-11	2E-09	2E-09	2E-09	**7E-07**
Produce Farmer	1E-09	8E-10	2E-11	5E-10	1E-10	1E-09	**4E-09**
Pork Farmer	2E-08	4E-09	2E-10	2E-09	3E-09	8E-10	**3E-08**
Total	**2E-05**	**1E-05**	**4E-07**	**8E-06**	**1E-05**	**1E-05**	**6E-05**

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

Table II-D24. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19): Lightweight Aggregate Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)						Total Across All Age Groups and Constituents
	Ingestion and Inhalation		Inhalation				
	TCDD	Arsenic	Beryllium	Cadmium	Chromium (VI)	Nickel	
Baseline Emissions							
Resident	3E-05	8E-06	2E-07	6E-06	6E-06	8E-06	**6E-05**
Home Gardener	3E-05	5E-06	2E-07	4E-06	4E-06	5E-06	**5E-05**
Beef Farmer	2E-06	2E-08	1E-09	3E-08	2E-08	3E-09	**2E-06**
Dairy Farmer	2E-06	3E-09	1E-10	3E-09	2E-09	3E-09	**2E-06**
Produce Farmer	6E-09	1E-09	3E-11	7E-10	1E-10	1E-09	**9E-09**
Pork Farmer	6E-08	4E-09	2E-10	4E-09	3E-09	8E-10	**7E-08**
Total	**7E-05**	**1E-05**	**4E-07**	**1E-05**	**9E-06**	**1E-05**	**1E-04**
MACT Floor Emissions							
Resident	3E-05	7E-06	2E-07	6E-06	6E-06	7E-06	**6E-05**
Home Gardener	3E-05	5E-06	1E-07	4E-06	3E-06	4E-06	**5E-05**
Beef Farmer	2E-06	2E-08	9E-10	3E-08	2E-08	3E-09	**2E-06**
Dairy Farmer	2E-06	3E-09	8E-11	3E-09	2E-09	2E-09	**2E-06**
Produce Farmer	6E-09	8E-10	2E-11	7E-10	9E-11	1E-09	**9E-09**
Pork Farmer	6E-08	3E-09	1E-10	4E-09	3E-09	7E-10	**7E-08**
Total	**7E-05**	**1E-05**	**3E-07**	**1E-05**	**9E-06**	**1E-05**	**1E-04**
MACT BTF Emissions							
Resident	4E-06	7E-06	2E-07	4E-06	6E-06	7E-06	**3E-05**
Home Gardener	3E-06	5E-06	1E-07	3E-06	3E-06	4E-06	**2E-05**
Beef Farmer	8E-07	2E-08	9E-10	1E-08	2E-08	3E-09	**9E-07**
Dairy Farmer	3E-07	3E-09	8E-11	2E-09	2E-09	2E-09	**4E-07**
Produce Farmer	6E-10	8E-10	2E-11	5E-10	9E-11	1E-09	**3E-09**
Pork Farmer	2E-08	3E-09	1E-10	2E-09	3E-09	7E-10	**3E-08**
Total	**8E-06**	**1E-05**	**3E-07**	**7E-06**	**9E-06**	**1E-05**	**5E-05**
MACT Standard Emissions							
Resident	6E-06	7E-06	2E-07	4E-06	6E-06	7E-06	**3E-05**
Home Gardener	6E-06	5E-06	1E-07	3E-06	3E-06	4E-06	**2E-05**
Beef Farmer	9E-07	2E-08	9E-10	1E-08	2E-08	3E-09	**1E-06**
Dairy Farmer	5E-07	3E-09	8E-11	2E-09	2E-09	2E-09	**5E-07**
Produce Farmer	1E-09	8E-10	2E-11	5E-10	9E-11	1E-09	**4E-09**
Pork Farmer	2E-08	3E-09	1E-10	2E-09	3E-09	7E-10	**3E-08**
Total	**1E-05**	**1E-05**	**3E-07**	**7E-06**	**9E-06**	**1E-05**	**5E-05**

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

Table II-D25. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+): Lightweight Aggregate Kilns[a]

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)						Total Across All Age Groups and Constituents
	Ingestion and Inhalation		Inhalation				
	TCDD	Arsenic	Beryllium	Cadmium	Chromium (VI)	Nickel	
Baseline Emissions							
Resident	2E-04	5E-05	1E-06	3E-05	3E-05	4E-05	**3E-04**
Home Gardener	2E-04	3E-05	8E-07	2E-05	2E-05	3E-05	**3E-04**
Beef Farmer	2E-05	2E-07	6E-09	2E-07	9E-08	2E-08	**2E-05**
Dairy Farmer	7E-06	2E-08	6E-10	1E-08	8E-09	1E-08	**7E-06**
Produce Farmer	4E-08	7E-09	2E-10	4E-09	7E-10	8E-09	**6E-08**
Pork Farmer	4E-07	2E-08	1E-09	2E-08	2E-08	4E-09	**5E-07**
Total	**4E-04**	**8E-05**	**2E-06**	**5E-05**	**4E-05**	**7E-05**	**6E-04**
MACT Floor Emissions							
Resident	2E-04	4E-05	1E-06	3E-05	3E-05	4E-05	**3E-04**
Home Gardener	2E-04	3E-05	6E-07	2E-05	2E-05	2E-05	**3E-04**
Beef Farmer	2E-05	1E-07	5E-09	2E-07	9E-08	2E-08	**2E-05**
Dairy Farmer	7E-06	2E-08	4E-10	1E-08	8E-09	1E-08	**7E-06**
Produce Farmer	4E-08	5E-09	1E-10	4E-09	5E-10	7E-09	**6E-08**
Pork Farmer	4E-07	2E-08	7E-10	2E-08	1E-08	4E-09	**5E-07**
Total	**4E-04**	**7E-05**	**2E-06**	**5E-05**	**4E-05**	**6E-05**	**6E-04**
MACT BTF Emissions							
Resident	2E-05	4E-05	1E-06	2E-05	3E-05	4E-05	**1E-04**
Home Gardener	2E-05	3E-05	6E-07	1E-05	2E-05	2E-05	**1E-04**
Beef Farmer	9E-06	1E-07	5E-09	7E-08	9E-08	2E-08	**9E-06**
Dairy Farmer	1E-06	2E-08	4E-10	8E-09	8E-09	1E-08	**1E-06**
Produce Farmer	4E-09	5E-09	1E-10	3E-09	5E-10	7E-09	**2E-08**
Pork Farmer	1E-07	2E-08	7E-10	1E-08	1E-08	4E-09	**2E-07**
Total	**4E-05**	**7E-05**	**2E-06**	**4E-05**	**4E-05**	**6E-05**	**3E-04**
MACT Standard Emissions							
Resident	3E-05	4E-05	1E-06	2E-05	3E-05	4E-05	**2E-04**
Home Gardener	3E-05	3E-05	6E-07	1E-05	2E-05	2E-05	**1E-04**
Beef Farmer	1E-05	1E-07	5E-09	7E-08	9E-08	2E-08	**1E-05**
Dairy Farmer	2E-06	2E-08	4E-10	8E-09	8E-09	1E-08	**2E-06**
Produce Farmer	8E-09	5E-09	1E-10	3E-09	5E-10	7E-09	**2E-08**
Pork Farmer	2E-07	2E-08	7E-10	1E-08	1E-08	4E-09	**2E-07**
Total	**7E-05**	**7E-05**	**2E-06**	**4E-05**	**4E-05**	**6E-05**	**3E-04**

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

Table II-D26. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-04	*(3E-04, 6E-04)*	7E-03	*(4E-03, 1E-02)*	5E-05	*(3E-05, 9E-05)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 8E-03)*	1E-04	*(9E-05, 2E-04)*	**1E-02**	*(9E-03, 2E-02)*
Home Gardener	3E-04	*(2E-04, 4E-04)*	4E-03	*(3E-03, 7E-03)*	3E-05	*(2E-05, 6E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	9E-05	*(5E-05, 1E-04)*	**8E-03**	*(5E-03, 1E-02)*
Beef Farmer	2E-05	*(1E-05, 3E-05)*	2E-05	*(8E-06, 3E-05)*	6E-08	*(4E-08, 1E-07)*	7E-06	*(3E-06, 1E-05)*	3E-06	*(2E-06, 7E-06)*	1E-07	*(6E-08, 2E-07)*	**5E-05**	*(3E-05, 7E-05)*
Dairy Farmer	3E-05	*(2E-05, 4E-05)*	2E-06	*(8E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	6E-07	*(3E-07, 9E-07)*	5E-07	*(4E-07, 7E-07)*	1E-08	*(9E-09, 2E-08)*	**3E-05**	*(2E-05, 5E-05)*
Produce Farmer	8E-08	*(5E-08, 1E-07)*	7E-07	*(2E-07, 2E-06)*	9E-09	*(3E-09, 2E-08)*	9E-08	*(4E-08, 2E-07)*	1E-06	*(5E-07, 4E-06)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	6E-07	*(5E-07, 9E-07)*	1E-06	*(8E-07, 2E-06)*	2E-08	*(1E-08, 6E-08)*	6E-07	*(4E-07, 1E-06)*	7E-07	*(5E-07, 1E-06)*	2E-08	*(1E-08, 5E-08)*	**3E-06**	*(2E-06, 5E-06)*
Total	**8E-04**	***(5E-04, 1E-03)***	**1E-02**	***(7E-03, 2E-02)***	**8E-05**	***(5E-05, 2E-04)***	**3E-03**	***(2E-03, 5E-03)***	**6E-03**	***(3E-03, 1E-02)***	**2E-04**	***(1E-04, 4E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT Floor Emissions														
Resident	4E-04	*(2E-04, 6E-04)*	1E-03	*(8E-04, 2E-03)*	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	9E-04	*(5E-04, 2E-03)*	5E-05	*(3E-05, 8E-05)*	**3E-03**	*(2E-03, 4E-03)*
Home Gardener	3E-04	*(2E-04, 4E-04)*	8E-04	*(5E-04, 1E-03)*	1E-05	*(7E-06, 2E-05)*	8E-05	*(6E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**2E-03**	*(1E-03, 2E-03)*
Beef Farmer	2E-05	*(1E-05, 3E-05)*	3E-06	*(2E-06, 7E-06)*	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	3E-08	*(2E-08, 5E-08)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	3E-05	*(2E-05, 4E-05)*	4E-07	*(2E-07, 7E-07)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 2E-07)*	4E-09	*(3E-09, 6E-09)*	**3E-05**	*(2E-05, 4E-05)*
Produce Farmer	8E-08	*(5E-08, 1E-07)*	2E-07	*(8E-08, 5E-07)*	2E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(4E-09, 1E-08)*	**6E-07**	*(3E-07, 1E-06)*
Pork Farmer	5E-07	*(4E-07, 8E-07)*	4E-07	*(2E-07, 6E-07)*	1E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	7E-09	*(4E-09, 1E-08)*	**1E-06**	*(9E-07, 2E-06)*
Total	**7E-04**	***(5E-04, 1E-03)***	**2E-03**	***(1E-03, 3E-03)***	**3E-05**	***(2E-05, 5E-05)***	**2E-04**	***(2E-04, 3E-04)***	**2E-03**	***(8E-04, 3E-03)***	**8E-05**	***(5E-05, 1E-04)***	**5E-03**	***(3E-03, 6E-03)***
MACT BTF Emissions														
Resident	8E-05	*(5E-05, 1E-04)*	1E-03	*(8E-04, 2E-03)*	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	9E-04	*(5E-04, 2E-03)*	5E-05	*(3E-05, 8E-05)*	**2E-03**	*(2E-03, 4E-03)*
Home Gardener	6E-05	*(4E-05, 1E-04)*	7E-04	*(5E-04, 1E-03)*	1E-05	*(7E-06, 2E-05)*	8E-05	*(6E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**2E-03**	*(1E-03, 2E-03)*
Beef Farmer	2E-06	*(1E-06, 2E-06)*	2E-06	*(9E-07, 4E-06)*	2E-08	*(9E-09, 3E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 7E-07)*	3E-08	*(2E-08, 5E-08)*	**5E-06**	*(3E-06, 7E-06)*
Dairy Farmer	3E-06	*(2E-06, 3E-06)*	3E-07	*(1E-07, 5E-07)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 2E-07)*	4E-09	*(3E-09, 6E-09)*	**3E-06**	*(2E-06, 4E-06)*
Produce Farmer	2E-08	*(1E-08, 5E-08)*	2E-07	*(7E-08, 5E-07)*	2E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(4E-09, 1E-08)*	**6E-07**	*(3E-07, 1E-06)*
Pork Farmer	9E-08	*(6E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*	1E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	7E-09	*(4E-09, 1E-08)*	**6E-07**	*(4E-07, 9E-07)*
Total	**2E-04**	***(1E-04, 2E-04)***	**2E-03**	***(1E-03, 3E-03)***	**3E-05**	***(2E-05, 5E-05)***	**2E-04**	***(2E-04, 3E-04)***	**2E-03**	***(8E-04, 3E-03)***	**8E-05**	***(5E-05, 1E-04)***	**4E-03**	***(3E-03, 6E-03)***
MACT Standard Emissions														
Resident	1E-04	*(8E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	9E-04	*(5E-04, 2E-03)*	5E-05	*(3E-05, 8E-05)*	**2E-03**	*(2E-03, 4E-03)*
Home Gardener	1E-04	*(6E-05, 2E-04)*	7E-04	*(5E-04, 1E-03)*	1E-05	*(7E-06, 2E-05)*	8E-05	*(6E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**2E-03**	*(1E-03, 2E-03)*
Beef Farmer	3E-06	*(2E-06, 4E-06)*	2E-06	*(9E-07, 4E-06)*	2E-08	*(9E-09, 3E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 7E-07)*	3E-08	*(2E-08, 5E-08)*	**6E-06**	*(4E-06, 9E-06)*
Dairy Farmer	4E-06	*(3E-06, 5E-06)*	3E-07	*(1E-07, 5E-07)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 2E-07)*	4E-09	*(3E-09, 6E-09)*	**5E-06**	*(3E-06, 6E-06)*
Produce Farmer	3E-08	*(2E-08, 6E-08)*	2E-07	*(7E-08, 5E-07)*	2E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(4E-09, 1E-08)*	**6E-07**	*(3E-07, 1E-06)*
Pork Farmer	1E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	1E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	7E-09	*(4E-09, 1E-08)*	**7E-07**	*(5E-07, 9E-07)*
Total	**2E-04**	***(1E-04, 4E-04)***	**2E-03**	***(1E-03, 3E-03)***	**3E-05**	***(2E-05, 5E-05)***	**2E-04**	***(2E-04, 3E-04)***	**2E-03**	***(8E-04, 3E-03)***	**8E-05**	***(5E-05, 1E-04)***	**4E-03**	***(3E-03, 6E-03)***

Table II-D27. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-04	*(1E-04, 2E-04)*	4E-03	*(3E-03, 7E-03)*	4E-05	*(2E-05, 7E-05)*	1E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(6E-05, 2E-04)*	**9E-03**	*(6E-03, 1E-02)*
Home Gardener	1E-04	*(9E-05, 2E-04)*	3E-03	*(2E-03, 4E-03)*	2E-05	*(1E-05, 5E-05)*	9E-04	*(5E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	6E-05	*(4E-05, 9E-05)*	**6E-03**	*(4E-03, 8E-03)*
Beef Farmer	3E-05	*(2E-05, 4E-05)*	1E-05	*(7E-06, 3E-05)*	5E-08	*(3E-08, 1E-07)*	6E-06	*(3E-06, 1E-05)*	3E-06	*(1E-06, 6E-06)*	9E-08	*(6E-08, 1E-07)*	**5E-05**	*(3E-05, 7E-05)*
Dairy Farmer	2E-05	*(1E-05, 3E-05)*	1E-06	*(6E-07, 2E-06)*	1E-08	*(4E-09, 2E-08)*	5E-07	*(3E-07, 8E-07)*	5E-07	*(3E-07, 6E-07)*	1E-08	*(8E-09, 2E-08)*	**2E-05**	*(1E-05, 3E-05)*
Produce Farmer	5E-08	*(3E-08, 7E-08)*	4E-07	*(1E-07, 1E-06)*	7E-09	*(3E-09, 2E-08)*	7E-08	*(4E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	1E-08	*(6E-09, 2E-08)*	**2E-06**	*(7E-07, 3E-06)*
Pork Farmer	4E-07	*(3E-07, 6E-07)*	1E-06	*(6E-07, 2E-06)*	2E-08	*(8E-09, 5E-08)*	5E-07	*(3E-07, 9E-07)*	6E-07	*(4E-07, 9E-07)*	2E-08	*(1E-08, 4E-08)*	**3E-06**	*(2E-06, 4E-06)*
Total	**3E-04**	***(2E-04, 5E-04)***	**7E-03**	***(4E-03, 1E-02)***	**7E-05**	***(4E-05, 1E-04)***	**2E-03**	***(1E-03, 4E-03)***	**5E-03**	***(2E-03, 1E-02)***	**2E-04**	***(1E-04, 2E-04)***	**1E-02**	***(9E-03, 2E-02)***
MACT Floor Emissions														
Resident	1E-04	*(9E-05, 2E-04)*	7E-04	*(5E-04, 9E-04)*	2E-05	*(9E-06, 3E-05)*	9E-05	*(7E-05, 1E-04)*	7E-04	*(4E-04, 1E-03)*	4E-05	*(2E-05, 6E-05)*	**2E-03**	*(1E-03, 2E-03)*
Home Gardener	1E-04	*(8E-05, 2E-04)*	4E-04	*(3E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(4E-05, 8E-05)*	4E-04	*(2E-04, 8E-04)*	2E-05	*(1E-05, 3E-05)*	**1E-03**	*(8E-04, 1E-03)*
Beef Farmer	2E-05	*(1E-05, 4E-05)*	3E-06	*(1E-06, 6E-06)*	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 7E-07)*	3E-08	*(2E-08, 4E-08)*	**3E-05**	*(2E-05, 5E-05)*
Dairy Farmer	2E-05	*(1E-05, 3E-05)*	3E-07	*(2E-07, 5E-07)*	5E-09	*(2E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 2E-07)*	4E-09	*(3E-09, 5E-09)*	**2E-05**	*(1E-05, 3E-05)*
Produce Farmer	5E-08	*(3E-08, 7E-08)*	9E-08	*(4E-08, 2E-07)*	2E-09	*(9E-10, 4E-09)*	2E-08	*(8E-09, 3E-08)*	3E-07	*(1E-07, 6E-07)*	5E-09	*(3E-09, 9E-09)*	**4E-07**	*(2E-07, 8E-07)*
Pork Farmer	4E-07	*(2E-07, 5E-07)*	3E-07	*(2E-07, 5E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	6E-09	*(3E-09, 1E-08)*	**9E-07**	*(6E-07, 1E-06)*
Total	**3E-04**	***(2E-04, 5E-04)***	**1E-03**	***(8E-04, 2E-03)***	**3E-05**	***(1E-05, 4E-05)***	**2E-04**	***(1E-04, 2E-04)***	**1E-03**	***(6E-04, 2E-03)***	**6E-05**	***(4E-05, 9E-05)***	**3E-03**	***(2E-03, 4E-03)***
MACT BTF Emissions														
Resident	3E-05	*(2E-05, 4E-05)*	6E-04	*(5E-04, 9E-04)*	2E-05	*(9E-06, 3E-05)*	9E-05	*(7E-05, 1E-04)*	7E-04	*(4E-04, 1E-03)*	4E-05	*(2E-05, 6E-05)*	**2E-03**	*(1E-03, 2E-03)*
Home Gardener	3E-05	*(2E-05, 4E-05)*	4E-04	*(3E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	6E-05	*(4E-05, 7E-05)*	4E-04	*(2E-04, 8E-04)*	2E-05	*(1E-05, 3E-05)*	**9E-04**	*(7E-04, 1E-03)*
Beef Farmer	2E-06	*(2E-06, 3E-06)*	1E-06	*(7E-07, 2E-06)*	1E-08	*(8E-09, 3E-08)*	2E-07	*(2E-07, 4E-07)*	4E-07	*(3E-07, 6E-07)*	3E-08	*(2E-08, 4E-08)*	**4E-06**	*(3E-06, 6E-06)*
Dairy Farmer	1E-06	*(1E-06, 2E-06)*	1E-07	*(8E-08, 3E-07)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(2E-08, 4E-08)*	1E-07	*(8E-08, 2E-07)*	4E-09	*(3E-09, 5E-09)*	**2E-06**	*(1E-06, 2E-06)*
Produce Farmer	1E-08	*(6E-09, 2E-08)*	8E-08	*(4E-08, 2E-07)*	2E-09	*(9E-10, 4E-09)*	2E-08	*(8E-09, 3E-08)*	3E-07	*(1E-07, 6E-07)*	5E-09	*(3E-09, 9E-09)*	**4E-07**	*(2E-07, 7E-07)*
Pork Farmer	5E-08	*(4E-08, 7E-08)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	6E-09	*(3E-09, 1E-08)*	**5E-07**	*(3E-07, 7E-07)*
Total	**6E-05**	***(4E-05, 8E-05)***	**1E-03**	***(7E-04, 1E-03)***	**3E-05**	***(1E-05, 4E-05)***	**2E-04**	***(1E-04, 2E-04)***	**1E-03**	***(6E-04, 2E-03)***	**6E-05**	***(4E-05, 9E-05)***	**2E-03**	***(2E-03, 4E-03)***
MACT Standard Emissions														
Resident	5E-05	*(3E-05, 7E-05)*	6E-04	*(5E-04, 9E-04)*	2E-05	*(9E-06, 3E-05)*	9E-05	*(7E-05, 1E-04)*	7E-04	*(4E-04, 1E-03)*	4E-05	*(2E-05, 6E-05)*	**2E-03**	*(1E-03, 2E-03)*
Home Gardener	4E-05	*(3E-05, 6E-05)*	4E-04	*(3E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	6E-05	*(4E-05, 7E-05)*	4E-04	*(2E-04, 8E-04)*	2E-05	*(1E-05, 3E-05)*	**1E-03**	*(7E-04, 1E-03)*
Beef Farmer	4E-06	*(3E-06, 5E-06)*	1E-06	*(7E-07, 2E-06)*	1E-08	*(8E-09, 3E-08)*	2E-07	*(2E-07, 4E-07)*	4E-07	*(3E-07, 6E-07)*	3E-08	*(2E-08, 4E-08)*	**6E-06**	*(4E-06, 8E-06)*
Dairy Farmer	2E-06	*(2E-06, 3E-06)*	1E-07	*(8E-08, 3E-07)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(2E-08, 4E-08)*	1E-07	*(8E-08, 2E-07)*	4E-09	*(3E-09, 5E-09)*	**2E-06**	*(2E-06, 3E-06)*
Produce Farmer	2E-08	*(9E-09, 3E-08)*	8E-08	*(4E-08, 2E-07)*	2E-09	*(9E-10, 4E-09)*	2E-08	*(8E-09, 3E-08)*	3E-07	*(1E-07, 6E-07)*	5E-09	*(3E-09, 9E-09)*	**4E-07**	*(2E-07, 7E-07)*
Pork Farmer	8E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	6E-09	*(3E-09, 1E-08)*	**5E-07**	*(3E-07, 7E-07)*
Total	**9E-05**	***(6E-05, 1E-04)***	**1E-03**	***(7E-04, 1E-03)***	**3E-05**	***(1E-05, 4E-05)***	**2E-04**	***(1E-04, 2E-04)***	**1E-03**	***(6E-04, 2E-03)***	**6E-05**	***(4E-05, 9E-05)***	**2E-03**	***(2E-03, 4E-03)***

Table II-D28. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-04	*(8E-05, 2E-04)*	3E-03	*(2E-03, 5E-03)*	3E-05	*(2E-05, 6E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	8E-05	*(5E-05, 1E-04)*	**7E-03**	*(5E-03, 1E-02)*
Home Gardener	1E-04	*(7E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	2E-05	*(1E-05, 4E-05)*	8E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 3E-03)*	5E-05	*(3E-05, 8E-05)*	**4E-03**	*(3E-03, 7E-03)*
Beef Farmer	1E-05	*(8E-06, 2E-05)*	1E-05	*(5E-06, 2E-05)*	4E-08	*(2E-08, 7E-08)*	4E-06	*(2E-06, 9E-06)*	2E-06	*(1E-06, 4E-06)*	7E-08	*(4E-08, 1E-07)*	**3E-05**	*(2E-05, 5E-05)*
Dairy Farmer	9E-06	*(6E-06, 1E-05)*	9E-07	*(4E-07, 2E-06)*	8E-09	*(3E-09, 2E-08)*	4E-07	*(2E-07, 6E-07)*	4E-07	*(3E-07, 5E-07)*	8E-09	*(6E-09, 1E-08)*	**1E-05**	*(7E-06, 1E-05)*
Produce Farmer	3E-08	*(2E-08, 5E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(2E-09, 2E-08)*	5E-08	*(3E-08, 1E-07)*	9E-07	*(3E-07, 2E-06)*	9E-09	*(5E-09, 2E-08)*	**1E-06**	*(6E-07, 3E-06)*
Pork Farmer	3E-07	*(2E-07, 4E-07)*	8E-07	*(5E-07, 1E-06)*	2E-08	*(6E-09, 4E-08)*	4E-07	*(3E-07, 7E-07)*	5E-07	*(3E-07, 7E-07)*	2E-08	*(9E-09, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**2E-04**	***(2E-04, 4E-04)***	**5E-03**	***(3E-03, 8E-03)***	**5E-05**	***(3E-05, 1E-04)***	**2E-03**	***(1E-03, 4E-03)***	**4E-03**	***(2E-03, 8E-03)***	**1E-04**	***(8E-05, 2E-04)***	**1E-02**	***(7E-03, 2E-02)***
MACT Floor Emissions														
Resident	1E-04	*(7E-05, 2E-04)*	6E-04	*(4E-04, 8E-04)*	1E-05	*(7E-06, 2E-05)*	8E-05	*(6E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	1E-04	*(6E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*	8E-06	*(4E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	3E-04	*(2E-04, 6E-04)*	2E-05	*(1E-05, 3E-05)*	**9E-04**	*(6E-04, 1E-03)*
Beef Farmer	1E-05	*(7E-06, 2E-05)*	2E-06	*(1E-06, 3E-06)*	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	2E-08	*(1E-08, 3E-08)*	**1E-05**	*(9E-06, 2E-05)*
Dairy Farmer	8E-06	*(5E-06, 1E-05)*	2E-07	*(1E-07, 3E-07)*	4E-09	*(2E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	1E-07	*(7E-08, 1E-07)*	3E-09	*(2E-09, 4E-09)*	**9E-06**	*(6E-06, 1E-05)*
Produce Farmer	3E-08	*(2E-08, 5E-08)*	8E-08	*(3E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(9E-08, 5E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 7E-07)*
Pork Farmer	3E-07	*(2E-07, 4E-07)*	2E-07	*(1E-07, 4E-07)*	9E-09	*(3E-09, 2E-08)*	5E-08	*(3E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	5E-09	*(3E-09, 8E-09)*	**7E-07**	*(5E-07, 9E-07)*
Total	**2E-04**	***(2E-04, 3E-04)***	**9E-04**	***(6E-04, 1E-03)***	**2E-05**	***(1E-05, 3E-05)***	**1E-04**	***(1E-04, 2E-04)***	**9E-04**	***(5E-04, 2E-03)***	**5E-05**	***(3E-05, 7E-05)***	**2E-03**	***(2E-03, 3E-03)***
MACT BTF Emissions														
Resident	2E-05	*(2E-05, 3E-05)*	6E-04	*(4E-04, 8E-04)*	1E-05	*(7E-06, 2E-05)*	8E-05	*(6E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(9E-04, 2E-03)*
Home Gardener	2E-05	*(1E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	7E-06	*(4E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	3E-04	*(2E-04, 6E-04)*	2E-05	*(1E-05, 3E-05)*	**8E-04**	*(5E-04, 1E-03)*
Beef Farmer	1E-06	*(8E-07, 2E-06)*	1E-06	*(5E-07, 2E-06)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	2E-08	*(1E-08, 3E-08)*	**3E-06**	*(2E-06, 4E-06)*
Dairy Farmer	8E-07	*(6E-07, 1E-06)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	9E-08	*(7E-08, 1E-07)*	3E-09	*(2E-09, 4E-09)*	**1E-06**	*(8E-07, 1E-06)*
Produce Farmer	9E-09	*(5E-09, 2E-08)*	7E-08	*(3E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(9E-08, 5E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 6E-07)*
Pork Farmer	4E-08	*(3E-08, 6E-08)*	1E-07	*(9E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(3E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	5E-09	*(3E-09, 8E-09)*	**4E-07**	*(3E-07, 6E-07)*
Total	**4E-05**	***(3E-05, 6E-05)***	**9E-04**	***(6E-04, 1E-03)***	**2E-05**	***(1E-05, 3E-05)***	**1E-04**	***(1E-04, 2E-04)***	**9E-04**	***(5E-04, 2E-03)***	**5E-05**	***(3E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***
MACT Standard Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	6E-04	*(4E-04, 8E-04)*	1E-05	*(7E-06, 2E-05)*	8E-05	*(6E-05, 1E-04)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(9E-04, 2E-03)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 5E-04)*	7E-06	*(4E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	3E-04	*(2E-04, 6E-04)*	2E-05	*(1E-05, 3E-05)*	**8E-04**	*(6E-04, 1E-03)*
Beef Farmer	2E-06	*(1E-06, 3E-06)*	1E-06	*(5E-07, 2E-06)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	2E-08	*(1E-08, 3E-08)*	**4E-06**	*(2E-06, 5E-06)*
Dairy Farmer	1E-06	*(9E-07, 2E-06)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	9E-08	*(7E-08, 1E-07)*	3E-09	*(2E-09, 4E-09)*	**1E-06**	*(1E-06, 2E-06)*
Produce Farmer	1E-08	*(7E-09, 2E-08)*	7E-08	*(3E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(9E-08, 5E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 6E-07)*
Pork Farmer	6E-08	*(5E-08, 8E-08)*	1E-07	*(9E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(3E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	5E-09	*(3E-09, 8E-09)*	**4E-07**	*(3E-07, 6E-07)*
Total	**7E-05**	***(5E-05, 1E-04)***	**9E-04**	***(6E-04, 1E-03)***	**2E-05**	***(1E-05, 3E-05)***	**1E-04**	***(1E-04, 2E-04)***	**9E-04**	***(5E-04, 2E-03)***	**5E-05**	***(3E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***

Table II-D29. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	5E-04	*(4E-04, 7E-04)*	2E-02	*(1E-02, 4E-02)*	2E-04	*(9E-05, 3E-04)*	6E-03	*(4E-03, 1E-02)*	1E-02	*(6E-03, 3E-02)*	4E-04	*(3E-04, 7E-04)*	**4E-02**	*(3E-02, 6E-02)*
Home Gardener	5E-04	*(4E-04, 8E-04)*	1E-02	*(8E-03, 2E-02)*	1E-04	*(5E-05, 2E-04)*	4E-03	*(2E-03, 7E-03)*	8E-03	*(4E-03, 2E-02)*	3E-04	*(2E-04, 4E-04)*	**3E-02**	*(2E-02, 4E-02)*
Beef Farmer	1E-04	*(9E-05, 2E-04)*	9E-05	*(4E-05, 2E-04)*	2E-07	*(1E-07, 3E-07)*	2E-05	*(1E-05, 5E-05)*	1E-05	*(5E-06, 2E-05)*	3E-07	*(2E-07, 5E-07)*	**3E-04**	*(2E-04, 4E-04)*
Dairy Farmer	4E-05	*(2E-05, 6E-05)*	9E-06	*(4E-06, 2E-05)*	4E-08	*(2E-08, 9E-08)*	2E-06	*(1E-06, 3E-06)*	2E-06	*(1E-06, 2E-06)*	4E-08	*(3E-08, 6E-08)*	**5E-05**	*(3E-05, 7E-05)*
Produce Farmer	2E-07	*(1E-07, 4E-07)*	3E-06	*(1E-06, 8E-06)*	3E-08	*(1E-08, 8E-08)*	3E-07	*(2E-07, 6E-07)*	4E-06	*(2E-06, 1E-05)*	5E-08	*(3E-08, 1E-07)*	**8E-06**	*(4E-06, 2E-05)*
Pork Farmer	2E-06	*(2E-06, 3E-06)*	7E-06	*(3E-06, 1E-05)*	8E-08	*(3E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	2E-06	*(1E-06, 3E-06)*	8E-08	*(4E-08, 2E-07)*	**1E-05**	*(9E-06, 2E-05)*
Total	**1E-03**	***(9E-04, 2E-03)***	**4E-02**	***(2E-02, 6E-02)***	**3E-04**	***(1E-04, 5E-04)***	**1E-02**	***(6E-03, 2E-02)***	**2E-02**	***(1E-02, 4E-02)***	**7E-04**	***(4E-04, 1E-03)***	**7E-02**	***(5E-02, 1E-01)***
MACT Floor Emissions														
Resident	5E-04	*(3E-04, 7E-04)*	4E-03	*(3E-03, 7E-03)*	6E-05	*(4E-05, 1E-04)*	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(6E-03, 1E-02)*
Home Gardener	5E-04	*(3E-04, 7E-04)*	3E-03	*(2E-03, 4E-03)*	4E-05	*(2E-05, 6E-05)*	2E-04	*(2E-04, 3E-04)*	2E-03	*(1E-03, 3E-03)*	1E-04	*(6E-05, 2E-04)*	**5E-03**	*(4E-03, 8E-03)*
Beef Farmer	1E-04	*(7E-05, 2E-04)*	2E-05	*(8E-06, 3E-05)*	8E-08	*(5E-08, 1E-07)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	1E-07	*(7E-08, 2E-07)*	**1E-04**	*(8E-05, 2E-04)*
Dairy Farmer	3E-05	*(2E-05, 6E-05)*	2E-06	*(9E-07, 3E-06)*	2E-08	*(8E-09, 5E-08)*	1E-07	*(7E-08, 1E-07)*	5E-07	*(4E-07, 7E-07)*	1E-08	*(1E-08, 2E-08)*	**4E-05**	*(2E-05, 6E-05)*
Produce Farmer	2E-07	*(1E-07, 4E-07)*	7E-07	*(3E-07, 2E-06)*	8E-09	*(4E-09, 2E-08)*	7E-08	*(3E-08, 1E-07)*	1E-06	*(5E-07, 3E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	2E-06	*(1E-06, 3E-06)*	2E-06	*(1E-06, 3E-06)*	4E-08	*(2E-08, 1E-07)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(5E-07, 1E-06)*	2E-08	*(1E-08, 4E-08)*	**5E-06**	*(3E-06, 6E-06)*
Total	**1E-03**	***(8E-04, 2E-03)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(6E-05, 2E-04)***	**6E-04**	***(5E-04, 8E-04)***	**5E-03**	***(3E-03, 9E-03)***	**3E-04**	***(2E-04, 4E-04)***	**1E-02**	***(1E-02, 2E-02)***
MACT BTF Emissions														
Resident	1E-04	*(7E-05, 2E-04)*	4E-03	*(3E-03, 7E-03)*	6E-05	*(4E-05, 1E-04)*	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(5E-03, 1E-02)*
Home Gardener	1E-04	*(7E-05, 2E-04)*	3E-03	*(2E-03, 4E-03)*	4E-05	*(2E-05, 6E-05)*	2E-04	*(2E-04, 3E-04)*	2E-03	*(1E-03, 3E-03)*	1E-04	*(6E-05, 2E-04)*	**5E-03**	*(3E-03, 7E-03)*
Beef Farmer	1E-05	*(9E-06, 2E-05)*	1E-05	*(4E-06, 2E-05)*	6E-08	*(3E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(7E-08, 2E-07)*	**3E-05**	*(2E-05, 4E-05)*
Dairy Farmer	3E-06	*(2E-06, 4E-06)*	1E-06	*(6E-07, 2E-06)*	2E-08	*(7E-09, 5E-08)*	1E-07	*(7E-08, 1E-07)*	5E-07	*(3E-07, 7E-07)*	1E-08	*(1E-08, 2E-08)*	**5E-06**	*(3E-06, 7E-06)*
Produce Farmer	6E-08	*(3E-08, 1E-07)*	7E-07	*(3E-07, 2E-06)*	8E-09	*(4E-09, 2E-08)*	7E-08	*(3E-08, 1E-07)*	1E-06	*(5E-07, 3E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	3E-07	*(2E-07, 4E-07)*	1E-06	*(7E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(4E-07, 1E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(2E-06, 3E-06)*
Total	**2E-04**	***(2E-04, 3E-04)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(6E-05, 2E-04)***	**6E-04**	***(5E-04, 8E-04)***	**5E-03**	***(3E-03, 9E-03)***	**3E-04**	***(2E-04, 4E-04)***	**1E-02**	***(9E-03, 2E-02)***
MACT Standard Emissions														
Resident	2E-04	*(1E-04, 2E-04)*	4E-03	*(3E-03, 7E-03)*	6E-05	*(4E-05, 1E-04)*	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	2E-04	*(1E-04, 3E-04)*	**8E-03**	*(5E-03, 1E-02)*
Home Gardener	2E-04	*(1E-04, 2E-04)*	3E-03	*(2E-03, 4E-03)*	4E-05	*(2E-05, 6E-05)*	2E-04	*(2E-04, 3E-04)*	2E-03	*(1E-03, 3E-03)*	1E-04	*(6E-05, 2E-04)*	**5E-03**	*(3E-03, 7E-03)*
Beef Farmer	2E-05	*(1E-05, 3E-05)*	1E-05	*(4E-06, 2E-05)*	6E-08	*(3E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	1E-07	*(7E-08, 2E-07)*	**3E-05**	*(2E-05, 5E-05)*
Dairy Farmer	5E-06	*(4E-06, 7E-06)*	1E-06	*(6E-07, 2E-06)*	2E-08	*(7E-09, 5E-08)*	1E-07	*(7E-08, 1E-07)*	5E-07	*(3E-07, 7E-07)*	1E-08	*(1E-08, 2E-08)*	**7E-06**	*(5E-06, 9E-06)*
Produce Farmer	8E-08	*(4E-08, 1E-07)*	7E-07	*(3E-07, 2E-06)*	8E-09	*(4E-09, 2E-08)*	7E-08	*(3E-08, 1E-07)*	1E-06	*(5E-07, 3E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	4E-07	*(3E-07, 6E-07)*	1E-06	*(7E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(4E-07, 1E-06)*	2E-08	*(1E-08, 4E-08)*	**3E-06**	*(2E-06, 4E-06)*
Total	**4E-04**	***(2E-04, 5E-04)***	**7E-03**	***(4E-03, 1E-02)***	**1E-04**	***(6E-05, 2E-04)***	**6E-04**	***(5E-04, 8E-04)***	**5E-03**	***(3E-03, 9E-03)***	**3E-04**	***(2E-04, 4E-04)***	**1E-02**	***(9E-03, 2E-02)***

Table II-D30. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Area Source Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	9E-06	*(5E-06, 1E-05)*	3E-04	*(2E-04, 3E-04)*	3E-07	*(2E-07, 4E-07)*	2E-04	*(2E-04, 2E-04)*	8E-06	*(7E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*	**5E-04**	*(4E-04, 5E-04)*
Home Gardener	7E-06	*(5E-06, 1E-05)*	2E-04	*(1E-04, 2E-04)*	2E-07	*(1E-07, 2E-07)*	1E-04	*(1E-04, 1E-04)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 3E-04)*
Beef Farmer	1E-05	*(4E-06, 2E-05)*	2E-06	*(7E-07, 5E-06)*	8E-09	*(3E-09, 2E-08)*	3E-07	*(3E-07, 3E-07)*	1E-07	*(5E-08, 3E-07)*	2E-08	*(2E-08, 3E-08)*	**1E-05**	*(5E-06, 3E-05)*
Dairy Farmer	1E-05	*(4E-06, 2E-05)*	2E-07	*(9E-08, 5E-07)*	7E-10	*(3E-10, 2E-09)*	3E-08	*(2E-08, 3E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(2E-09, 3E-09)*	**1E-05**	*(4E-06, 3E-05)*
Produce Farmer	2E-09	*(1E-09, 5E-09)*	3E-08	*(1E-08, 6E-08)*	6E-11	*(6E-11, 6E-11)*	2E-09	*(9E-10, 6E-09)*	1E-09	*(6E-10, 2E-09)*	4E-10	*(4E-10, 4E-10)*	**3E-08**	*(2E-08, 7E-08)*
Pork Farmer	2E-07	*(9E-08, 5E-07)*	2E-07	*(8E-08, 5E-07)*	7E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(1E-09, 2E-09)*	**4E-07**	*(2E-07, 1E-06)*
Total	**4E-05**	***(2E-05, 7E-05)***	**4E-04**	***(4E-04, 5E-04)***	**5E-07**	***(3E-07, 7E-07)***	**3E-04**	***(3E-04, 3E-04)***	**1E-05**	***(1E-05, 2E-05)***	**3E-05**	***(3E-05, 3E-05)***	**8E-04**	***(7E-04, 9E-04)***
MACT Floor Emissions														
Resident	7E-06	*(4E-06, 1E-05)*	2E-04	*(2E-04, 3E-04)*	3E-07	*(2E-07, 4E-07)*	3E-05	*(2E-05, 3E-05)*	7E-06	*(6E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	6E-06	*(3E-06, 1E-05)*	1E-04	*(1E-04, 2E-04)*	2E-07	*(1E-07, 2E-07)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 5E-06)*	8E-06	*(8E-06, 8E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	9E-06	*(3E-06, 2E-05)*	2E-06	*(7E-07, 5E-06)*	7E-09	*(2E-09, 2E-08)*	6E-08	*(5E-08, 8E-08)*	1E-07	*(4E-08, 3E-07)*	8E-09	*(7E-09, 8E-09)*	**1E-05**	*(4E-06, 3E-05)*
Dairy Farmer	9E-06	*(4E-06, 2E-05)*	2E-07	*(8E-08, 4E-07)*	6E-10	*(3E-10, 2E-09)*	5E-09	*(4E-09, 7E-09)*	1E-08	*(4E-09, 3E-08)*	9E-10	*(6E-10, 1E-09)*	**1E-05**	*(4E-06, 2E-05)*
Produce Farmer	2E-09	*(1E-09, 5E-09)*	3E-08	*(1E-08, 6E-08)*	6E-11	*(6E-11, 6E-11)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**3E-08**	*(1E-08, 6E-08)*
Pork Farmer	2E-07	*(7E-08, 5E-07)*	2E-07	*(7E-08, 4E-07)*	6E-10	*(3E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(4E-09, 3E-08)*	8E-10	*(8E-10, 8E-10)*	**4E-07**	*(1E-07, 9E-07)*
Total	**3E-05**	***(1E-05, 7E-05)***	**4E-04**	***(3E-04, 5E-04)***	**4E-07**	***(3E-07, 6E-07)***	**4E-05**	***(4E-05, 4E-05)***	**1E-05**	***(1E-05, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 6E-04)***
MACT BTF Emissions														
Resident	3E-06	*(2E-06, 5E-06)*	2E-04	*(2E-04, 3E-04)*	2E-07	*(1E-07, 3E-07)*	3E-05	*(2E-05, 3E-05)*	6E-06	*(6E-06, 7E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	3E-06	*(2E-06, 4E-06)*	1E-04	*(1E-04, 2E-04)*	1E-07	*(9E-08, 2E-07)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(3E-06, 5E-06)*	8E-06	*(8E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Beef Farmer	6E-07	*(3E-07, 1E-06)*	3E-07	*(1E-07, 6E-07)*	1E-09	*(4E-10, 2E-09)*	5E-08	*(5E-08, 5E-08)*	2E-08	*(1E-08, 4E-08)*	8E-09	*(7E-09, 8E-09)*	**9E-07**	*(5E-07, 2E-06)*
Dairy Farmer	7E-07	*(4E-07, 1E-06)*	5E-08	*(3E-08, 1E-07)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(4E-09, 4E-09)*	3E-09	*(2E-09, 4E-09)*	9E-10	*(6E-10, 1E-09)*	**8E-07**	*(5E-07, 1E-06)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	2E-08	*(7E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	2E-10	*(2E-10, 2E-10)*	8E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(9E-09, 6E-08)*
Pork Farmer	1E-08	*(8E-09, 3E-08)*	4E-08	*(2E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 4E-09)*	8E-10	*(8E-10, 8E-10)*	**6E-08**	*(3E-08, 1E-07)*
Total	**7E-06**	***(5E-06, 1E-05)***	**4E-04**	***(3E-04, 4E-04)***	**3E-07**	***(2E-07, 5E-07)***	**4E-05**	***(4E-05, 4E-05)***	**1E-05**	***(9E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**4E-04**	***(4E-04, 5E-04)***
MACT Standard Emissions														
Resident	4E-06	*(3E-06, 5E-06)*	2E-04	*(2E-04, 3E-04)*	2E-07	*(1E-07, 3E-07)*	3E-05	*(2E-05, 3E-05)*	6E-06	*(6E-06, 7E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	3E-06	*(2E-06, 5E-06)*	1E-04	*(1E-04, 2E-04)*	1E-07	*(9E-08, 2E-07)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(3E-06, 5E-06)*	8E-06	*(8E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Beef Farmer	1E-06	*(6E-07, 2E-06)*	3E-07	*(1E-07, 6E-07)*	1E-09	*(4E-10, 2E-09)*	5E-08	*(5E-08, 5E-08)*	2E-08	*(1E-08, 4E-08)*	8E-09	*(7E-09, 8E-09)*	**2E-06**	*(8E-07, 3E-06)*
Dairy Farmer	1E-06	*(7E-07, 2E-06)*	5E-08	*(3E-08, 1E-07)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(4E-09, 4E-09)*	3E-09	*(2E-09, 4E-09)*	9E-10	*(6E-10, 1E-09)*	**1E-06**	*(7E-07, 3E-06)*
Produce Farmer	1E-09	*(5E-10, 3E-09)*	2E-08	*(7E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	2E-10	*(2E-10, 2E-10)*	8E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(9E-09, 6E-08)*
Pork Farmer	3E-08	*(1E-08, 5E-08)*	4E-08	*(2E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 4E-09)*	8E-10	*(8E-10, 8E-10)*	**7E-08**	*(4E-08, 1E-07)*
Total	**9E-06**	***(6E-06, 1E-05)***	**4E-04**	***(3E-04, 4E-04)***	**3E-07**	***(2E-07, 5E-07)***	**4E-05**	***(4E-05, 4E-05)***	**1E-05**	***(9E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**4E-04**	***(4E-04, 5E-04)***

Table II-D31. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Area Source Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-06	*(2E-06, 6E-06)*	2E-04	*(2E-04, 2E-04)*	2E-07	*(2E-07, 3E-07)*	1E-04	*(1E-04, 1E-04)*	6E-06	*(5E-06, 7E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 4E-04)*
Home Gardener	4E-06	*(2E-06, 6E-06)*	1E-04	*(1E-04, 1E-04)*	1E-07	*(1E-07, 2E-07)*	7E-05	*(7E-05, 8E-05)*	4E-06	*(3E-06, 5E-06)*	8E-06	*(8E-06, 9E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	1E-05	*(6E-06, 3E-05)*	2E-06	*(7E-07, 5E-06)*	8E-09	*(3E-09, 2E-08)*	3E-07	*(2E-07, 3E-07)*	1E-07	*(5E-08, 3E-07)*	2E-08	*(1E-08, 2E-08)*	**2E-05**	*(7E-06, 4E-05)*
Dairy Farmer	6E-06	*(2E-06, 1E-05)*	2E-07	*(8E-08, 5E-07)*	7E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(1E-09, 2E-09)*	**6E-06**	*(3E-06, 1E-05)*
Produce Farmer	1E-09	*(7E-10, 3E-09)*	2E-08	*(9E-09, 4E-08)*	5E-11	*(5E-11, 5E-11)*	2E-09	*(8E-10, 6E-09)*	1E-09	*(5E-10, 2E-09)*	4E-10	*(4E-10, 4E-10)*	**2E-08**	*(1E-08, 5E-08)*
Pork Farmer	1E-07	*(7E-08, 3E-07)*	2E-07	*(8E-08, 5E-07)*	7E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(1E-09, 2E-09)*	**4E-07**	*(2E-07, 9E-07)*
Total	**3E-05**	***(1E-05, 6E-05)***	**3E-04**	***(3E-04, 4E-04)***	**4E-07**	***(3E-07, 5E-07)***	**2E-04**	***(2E-04, 2E-04)***	**1E-05**	***(8E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**6E-04**	***(5E-04, 6E-04)***
MACT Floor Emissions														
Resident	3E-06	*(2E-06, 6E-06)*	2E-04	*(1E-04, 2E-04)*	2E-07	*(1E-07, 3E-07)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	9E-06	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	3E-06	*(2E-06, 5E-06)*	1E-04	*(9E-05, 1E-04)*	1E-07	*(9E-08, 2E-07)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*	**1E-04**	*(1E-04, 1E-04)*
Beef Farmer	1E-05	*(5E-06, 3E-05)*	2E-06	*(7E-07, 5E-06)*	7E-09	*(2E-09, 2E-08)*	5E-08	*(4E-08, 7E-08)*	1E-07	*(4E-08, 3E-07)*	6E-09	*(6E-09, 7E-09)*	**1E-05**	*(5E-06, 4E-05)*
Dairy Farmer	5E-06	*(2E-06, 1E-05)*	2E-07	*(7E-08, 4E-07)*	6E-10	*(2E-10, 2E-09)*	5E-09	*(3E-09, 6E-09)*	1E-08	*(4E-09, 3E-08)*	8E-10	*(8E-10, 8E-10)*	**6E-06**	*(2E-06, 1E-05)*
Produce Farmer	1E-09	*(7E-10, 3E-09)*	2E-08	*(9E-09, 4E-08)*	5E-11	*(5E-11, 5E-11)*	2E-10	*(2E-10, 2E-10)*	9E-10	*(5E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(1E-08, 4E-08)*
Pork Farmer	1E-07	*(5E-08, 3E-07)*	2E-07	*(7E-08, 4E-07)*	7E-10	*(3E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(4E-09, 3E-08)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(1E-07, 8E-07)*
Total	**2E-05**	***(1E-05, 6E-05)***	**3E-04**	***(2E-04, 3E-04)***	**3E-07**	***(2E-07, 5E-07)***	**3E-05**	***(3E-05, 3E-05)***	**9E-06**	***(8E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 4E-04)***
MACT BTF Emissions														
Resident	1E-06	*(9E-07, 2E-06)*	1E-04	*(1E-04, 2E-04)*	2E-07	*(1E-07, 2E-07)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	9E-06	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	1E-06	*(8E-07, 2E-06)*	9E-05	*(8E-05, 1E-04)*	9E-08	*(7E-08, 1E-07)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 3E-06)*	6E-06	*(5E-06, 6E-06)*	**1E-04**	*(1E-04, 1E-04)*
Beef Farmer	8E-07	*(4E-07, 2E-06)*	3E-07	*(1E-07, 6E-07)*	1E-09	*(4E-10, 2E-09)*	4E-08	*(4E-08, 4E-08)*	2E-08	*(1E-08, 4E-08)*	6E-09	*(6E-09, 7E-09)*	**1E-06**	*(6E-07, 2E-06)*
Dairy Farmer	4E-07	*(2E-07, 8E-07)*	4E-08	*(2E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 4E-09)*	8E-10	*(8E-10, 8E-10)*	**5E-07**	*(3E-07, 9E-07)*
Produce Farmer	6E-10	*(3E-10, 1E-09)*	1E-08	*(5E-09, 4E-08)*	3E-11	*(3E-11, 3E-11)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(6E-09, 4E-08)*
Pork Farmer	1E-08	*(5E-09, 2E-08)*	4E-08	*(2E-08, 7E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 4E-09)*	7E-10	*(7E-10, 7E-10)*	**5E-08**	*(3E-08, 9E-08)*
Total	**4E-06**	***(3E-06, 6E-06)***	**2E-04**	***(2E-04, 3E-04)***	**2E-07**	***(2E-07, 3E-07)***	**3E-05**	***(3E-05, 3E-05)***	**8E-06**	***(7E-06, 9E-06)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 3E-04)***
MACT Standard Emissions														
Resident	2E-06	*(1E-06, 2E-06)*	1E-04	*(1E-04, 2E-04)*	2E-07	*(1E-07, 2E-07)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	9E-06	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	1E-06	*(1E-06, 2E-06)*	9E-05	*(8E-05, 1E-04)*	9E-08	*(7E-08, 1E-07)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 3E-06)*	6E-06	*(5E-06, 6E-06)*	**1E-04**	*(1E-04, 1E-04)*
Beef Farmer	2E-06	*(8E-07, 3E-06)*	3E-07	*(1E-07, 6E-07)*	1E-09	*(4E-10, 2E-09)*	4E-08	*(4E-08, 4E-08)*	2E-08	*(1E-08, 4E-08)*	6E-09	*(6E-09, 7E-09)*	**2E-06**	*(9E-07, 4E-06)*
Dairy Farmer	8E-07	*(4E-07, 2E-06)*	4E-08	*(2E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 4E-09)*	8E-10	*(8E-10, 8E-10)*	**8E-07**	*(4E-07, 2E-06)*
Produce Farmer	7E-10	*(3E-10, 1E-09)*	1E-08	*(5E-09, 4E-08)*	3E-11	*(3E-11, 3E-11)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(6E-09, 4E-08)*
Pork Farmer	2E-08	*(1E-08, 4E-08)*	4E-08	*(2E-08, 7E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	2E-09	*(1E-09, 4E-09)*	7E-10	*(7E-10, 7E-10)*	**6E-08**	*(3E-08, 1E-07)*
Total	**5E-06**	***(4E-06, 8E-06)***	**2E-04**	***(2E-04, 3E-04)***	**2E-07**	***(2E-07, 3E-07)***	**3E-05**	***(3E-05, 3E-05)***	**8E-06**	***(7E-06, 9E-06)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 3E-04)***

Table II-D32. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Area Source Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-06	*(2E-06, 5E-06)*	1E-04	*(1E-04, 2E-04)*	2E-07	*(1E-07, 3E-07)*	1E-04	*(1E-04, 1E-04)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	3E-06	*(2E-06, 5E-06)*	9E-05	*(8E-05, 1E-04)*	1E-07	*(8E-08, 2E-07)*	6E-05	*(6E-05, 7E-05)*	3E-06	*(3E-06, 4E-06)*	7E-06	*(6E-06, 7E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	6E-06	*(3E-06, 1E-05)*	1E-06	*(4E-07, 3E-06)*	4E-09	*(2E-09, 1E-08)*	2E-07	*(2E-07, 2E-07)*	7E-08	*(3E-08, 2E-07)*	1E-08	*(9E-09, 1E-08)*	**8E-06**	*(3E-06, 2E-05)*
Dairy Farmer	3E-06	*(1E-06, 6E-06)*	1E-07	*(5E-08, 3E-07)*	4E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	7E-09	*(3E-09, 2E-08)*	1E-09	*(1E-09, 1E-09)*	**3E-06**	*(1E-06, 6E-06)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	4E-11	*(4E-11, 4E-11)*	2E-09	*(6E-10, 5E-09)*	8E-10	*(4E-10, 1E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(1E-08, 4E-08)*
Pork Farmer	9E-08	*(4E-08, 2E-07)*	1E-07	*(5E-08, 3E-07)*	4E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 1E-08)*	7E-09	*(3E-09, 2E-08)*	1E-09	*(1E-09, 1E-09)*	**2E-07**	*(1E-07, 5E-07)*
Total	**1E-05**	***(7E-06, 3E-05)***	**2E-04**	***(2E-04, 3E-04)***	**3E-07**	***(2E-07, 4E-07)***	**2E-04**	***(2E-04, 2E-04)***	**9E-06**	***(7E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 5E-04)***
MACT Floor Emissions														
Resident	2E-06	*(1E-06, 4E-06)*	1E-04	*(1E-04, 2E-04)*	2E-07	*(1E-07, 2E-07)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(7E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Home Gardener	2E-06	*(1E-06, 4E-06)*	8E-05	*(7E-05, 1E-04)*	1E-07	*(7E-08, 1E-07)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 5E-06)*	**1E-04**	*(9E-05, 1E-04)*
Beef Farmer	5E-06	*(2E-06, 1E-05)*	1E-06	*(4E-07, 3E-06)*	4E-09	*(1E-09, 1E-08)*	3E-08	*(3E-08, 4E-08)*	7E-08	*(3E-08, 2E-07)*	4E-09	*(4E-09, 5E-09)*	**6E-06**	*(2E-06, 2E-05)*
Dairy Farmer	2E-06	*(9E-07, 6E-06)*	1E-07	*(5E-08, 2E-07)*	4E-10	*(2E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*	6E-09	*(3E-09, 1E-08)*	6E-10	*(6E-10, 6E-10)*	**2E-06**	*(1E-06, 6E-06)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	2E-08	*(7E-09, 3E-08)*	4E-11	*(4E-11, 4E-11)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(4E-10, 1E-09)*	2E-10	*(2E-10, 2E-10)*	**2E-08**	*(9E-09, 4E-08)*
Pork Farmer	7E-08	*(3E-08, 2E-07)*	1E-07	*(4E-08, 3E-07)*	4E-10	*(2E-10, 1E-09)*	2E-09	*(2E-09, 3E-09)*	6E-09	*(2E-09, 2E-08)*	5E-10	*(5E-10, 5E-10)*	**2E-07**	*(7E-08, 4E-07)*
Total	**1E-05**	***(6E-06, 3E-05)***	**2E-04**	***(2E-04, 3E-04)***	**3E-07**	***(2E-07, 4E-07)***	**3E-05**	***(3E-05, 3E-05)***	**8E-06**	***(7E-06, 1E-05)***	**1E-05**	***(1E-05, 1E-05)***	**3E-04**	***(2E-04, 3E-04)***
MACT BTF Emissions														
Resident	1E-06	*(8E-07, 2E-06)*	1E-04	*(1E-04, 1E-04)*	1E-07	*(9E-08, 2E-07)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(7E-06, 8E-06)*	**1E-04**	*(1E-04, 2E-04)*
Home Gardener	1E-06	*(7E-07, 2E-06)*	7E-05	*(6E-05, 9E-05)*	8E-08	*(5E-08, 1E-07)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	**9E-05**	*(8E-05, 1E-04)*
Beef Farmer	3E-07	*(2E-07, 7E-07)*	2E-07	*(7E-08, 3E-07)*	6E-10	*(3E-10, 1E-09)*	3E-08	*(3E-08, 3E-08)*	1E-08	*(8E-09, 2E-08)*	4E-09	*(4E-09, 5E-09)*	**5E-07**	*(3E-07, 1E-06)*
Dairy Farmer	2E-07	*(1E-07, 4E-07)*	3E-08	*(1E-08, 6E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(1E-09, 3E-09)*	6E-10	*(6E-10, 6E-10)*	**2E-07**	*(1E-07, 4E-07)*
Produce Farmer	4E-10	*(2E-10, 1E-09)*	1E-08	*(4E-09, 3E-08)*	2E-11	*(2E-11, 2E-11)*	1E-10	*(1E-10, 1E-10)*	5E-10	*(2E-10, 1E-09)*	2E-10	*(2E-10, 2E-10)*	**1E-08**	*(5E-09, 3E-08)*
Pork Farmer	6E-09	*(4E-09, 1E-08)*	2E-08	*(1E-08, 5E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(8E-10, 2E-09)*	5E-10	*(5E-10, 5E-10)*	**4E-08**	*(2E-08, 6E-08)*
Total	**3E-06**	***(2E-06, 4E-06)***	**2E-04**	***(2E-04, 2E-04)***	**2E-07**	***(1E-07, 3E-07)***	**3E-05**	***(3E-05, 3E-05)***	**7E-06**	***(6E-06, 8E-06)***	**1E-05**	***(1E-05, 1E-05)***	**2E-04**	***(2E-04, 3E-04)***
MACT Standard Emissions														
Resident	1E-06	*(9E-07, 2E-06)*	1E-04	*(1E-04, 1E-04)*	1E-07	*(9E-08, 2E-07)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(7E-06, 8E-06)*	**1E-04**	*(1E-04, 2E-04)*
Home Gardener	1E-06	*(8E-07, 2E-06)*	7E-05	*(6E-05, 9E-05)*	8E-08	*(5E-08, 1E-07)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	**9E-05**	*(8E-05, 1E-04)*
Beef Farmer	7E-07	*(4E-07, 1E-06)*	2E-07	*(7E-08, 3E-07)*	6E-10	*(3E-10, 1E-09)*	3E-08	*(3E-08, 3E-08)*	1E-08	*(8E-09, 2E-08)*	4E-09	*(4E-09, 5E-09)*	**9E-07**	*(5E-07, 2E-06)*
Dairy Farmer	4E-07	*(2E-07, 7E-07)*	3E-08	*(1E-08, 6E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(1E-09, 3E-09)*	6E-10	*(6E-10, 6E-10)*	**4E-07**	*(2E-07, 7E-07)*
Produce Farmer	5E-10	*(2E-10, 1E-09)*	1E-08	*(4E-09, 3E-08)*	2E-11	*(2E-11, 2E-11)*	1E-10	*(1E-10, 1E-10)*	5E-10	*(2E-10, 1E-09)*	2E-10	*(2E-10, 2E-10)*	**1E-08**	*(5E-09, 3E-08)*
Pork Farmer	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 5E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(8E-10, 2E-09)*	5E-10	*(5E-10, 5E-10)*	**4E-08**	*(2E-08, 7E-08)*
Total	**4E-06**	***(2E-06, 5E-06)***	**2E-04**	***(2E-04, 2E-04)***	**2E-07**	***(1E-07, 3E-07)***	**3E-05**	***(3E-05, 3E-05)***	**7E-06**	***(6E-06, 8E-06)***	**1E-05**	***(1E-05, 1E-05)***	**2E-04**	***(2E-04, 3E-04)***

Table II-D33. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Area Source Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-05	*(8E-06, 2E-05)*	7E-04	*(6E-04, 9E-04)*	9E-07	*(6E-07, 1E-06)*	4E-04	*(4E-04, 4E-04)*	2E-05	*(2E-05, 3E-05)*	5E-05	*(4E-05, 5E-05)*	**1E-03**	*(1E-03, 1E-03)*
Home Gardener	1E-05	*(9E-06, 2E-05)*	4E-04	*(4E-04, 5E-04)*	5E-07	*(4E-07, 8E-07)*	3E-04	*(2E-04, 3E-04)*	1E-05	*(1E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*	**7E-04**	*(6E-04, 9E-04)*
Beef Farmer	7E-05	*(3E-05, 2E-04)*	7E-06	*(3E-06, 2E-05)*	3E-08	*(1E-08, 7E-08)*	8E-07	*(8E-07, 9E-07)*	4E-07	*(2E-07, 1E-06)*	6E-08	*(5E-08, 8E-08)*	**8E-05**	*(3E-05, 2E-04)*
Dairy Farmer	1E-05	*(5E-06, 3E-05)*	8E-07	*(3E-07, 2E-06)*	3E-09	*(1E-09, 7E-09)*	8E-08	*(6E-08, 9E-08)*	4E-08	*(2E-08, 1E-07)*	6E-09	*(5E-09, 9E-09)*	**1E-05**	*(6E-06, 3E-05)*
Produce Farmer	7E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	2E-10	*(2E-10, 2E-10)*	9E-09	*(3E-09, 2E-08)*	4E-09	*(2E-09, 9E-09)*	1E-09	*(7E-10, 3E-09)*	**1E-07**	*(6E-08, 3E-07)*
Pork Farmer	7E-07	*(3E-07, 2E-06)*	7E-07	*(3E-07, 2E-06)*	3E-09	*(1E-09, 7E-09)*	6E-08	*(5E-08, 7E-08)*	4E-08	*(2E-08, 1E-07)*	5E-09	*(4E-09, 8E-09)*	**2E-06**	*(7E-07, 4E-06)*
Total	**1E-04**	***(5E-05, 2E-04)***	**1E-03**	***(9E-04, 1E-03)***	**1E-06**	***(1E-06, 2E-06)***	**7E-04**	***(6E-04, 7E-04)***	**4E-05**	***(3E-05, 5E-05)***	**7E-05**	***(7E-05, 8E-05)***	**2E-03**	***(2E-03, 2E-03)***
MACT Floor Emissions														
Resident	1E-05	*(6E-06, 2E-05)*	6E-04	*(5E-04, 8E-04)*	8E-07	*(5E-07, 1E-06)*	7E-05	*(6E-05, 7E-05)*	2E-05	*(2E-05, 3E-05)*	3E-05	*(3E-05, 3E-05)*	**7E-04**	*(6E-04, 9E-04)*
Home Gardener	1E-05	*(6E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	5E-07	*(3E-07, 7E-07)*	4E-05	*(4E-05, 4E-05)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	**5E-04**	*(4E-04, 6E-04)*
Beef Farmer	6E-05	*(2E-05, 2E-04)*	7E-06	*(2E-06, 2E-05)*	2E-08	*(9E-09, 7E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(2E-07, 1E-06)*	2E-08	*(2E-08, 2E-08)*	**7E-05**	*(2E-05, 2E-04)*
Dairy Farmer	1E-05	*(4E-06, 3E-05)*	7E-07	*(3E-07, 2E-06)*	2E-09	*(9E-10, 6E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(2E-08, 9E-08)*	3E-09	*(2E-09, 5E-09)*	**1E-05**	*(5E-06, 3E-05)*
Produce Farmer	7E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	2E-10	*(2E-10, 2E-10)*	8E-10	*(4E-10, 1E-09)*	4E-09	*(2E-09, 8E-09)*	1E-09	*(4E-10, 3E-09)*	**1E-07**	*(6E-08, 3E-07)*
Pork Farmer	6E-07	*(2E-07, 2E-06)*	7E-07	*(3E-07, 2E-06)*	2E-09	*(9E-10, 6E-09)*	1E-08	*(1E-08, 2E-08)*	4E-08	*(1E-08, 1E-07)*	2E-09	*(2E-09, 4E-09)*	**1E-06**	*(5E-07, 3E-06)*
Total	**9E-05**	***(4E-05, 2E-04)***	**1E-03**	***(8E-04, 1E-03)***	**1E-06**	***(9E-07, 2E-06)***	**1E-04**	***(1E-04, 1E-04)***	**4E-05**	***(3E-05, 4E-05)***	**5E-05**	***(5E-05, 5E-05)***	**1E-03**	***(1E-03, 2E-03)***
MACT BTF Emissions														
Resident	5E-06	*(3E-06, 7E-06)*	5E-04	*(4E-04, 7E-04)*	6E-07	*(4E-07, 8E-07)*	6E-05	*(6E-05, 7E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*	**7E-04**	*(5E-04, 8E-04)*
Home Gardener	5E-06	*(3E-06, 8E-06)*	3E-04	*(3E-04, 4E-04)*	3E-07	*(2E-07, 5E-07)*	4E-05	*(4E-05, 4E-05)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	**4E-04**	*(3E-04, 5E-04)*
Beef Farmer	4E-06	*(2E-06, 8E-06)*	1E-06	*(5E-07, 2E-06)*	4E-09	*(2E-09, 8E-09)*	1E-07	*(1E-07, 2E-07)*	8E-08	*(4E-08, 1E-07)*	2E-08	*(2E-08, 2E-08)*	**5E-06**	*(3E-06, 1E-05)*
Dairy Farmer	9E-07	*(5E-07, 2E-06)*	2E-07	*(1E-07, 4E-07)*	5E-10	*(5E-10, 5E-10)*	1E-08	*(1E-08, 1E-08)*	9E-09	*(6E-09, 2E-08)*	3E-09	*(2E-09, 5E-09)*	**1E-06**	*(6E-07, 2E-06)*
Produce Farmer	3E-09	*(1E-09, 6E-09)*	8E-08	*(3E-08, 2E-07)*	1E-10	*(1E-10, 1E-10)*	6E-10	*(3E-10, 1E-09)*	3E-09	*(1E-09, 7E-09)*	1E-09	*(4E-10, 3E-09)*	**9E-08**	*(4E-08, 2E-07)*
Pork Farmer	5E-08	*(3E-08, 9E-08)*	2E-07	*(9E-08, 3E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(9E-09, 1E-08)*	8E-09	*(4E-09, 1E-08)*	2E-09	*(2E-09, 4E-09)*	**2E-07**	*(1E-07, 4E-07)*
Total	**1E-05**	***(9E-06, 2E-05)***	**9E-04**	***(7E-04, 1E-03)***	**9E-07**	***(6E-07, 1E-06)***	**1E-04**	***(1E-04, 1E-04)***	**3E-05**	***(2E-05, 3E-05)***	**5E-05**	***(5E-05, 5E-05)***	**1E-03**	***(9E-04, 1E-03)***
MACT Standard Emissions														
Resident	5E-06	*(3E-06, 8E-06)*	5E-04	*(4E-04, 7E-04)*	6E-07	*(4E-07, 8E-07)*	6E-05	*(6E-05, 7E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*	**7E-04**	*(5E-04, 8E-04)*
Home Gardener	6E-06	*(4E-06, 9E-06)*	3E-04	*(3E-04, 4E-04)*	3E-07	*(2E-07, 5E-07)*	4E-05	*(4E-05, 4E-05)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	**4E-04**	*(3E-04, 5E-04)*
Beef Farmer	8E-06	*(4E-06, 2E-05)*	1E-06	*(5E-07, 2E-06)*	4E-09	*(2E-09, 8E-09)*	1E-07	*(1E-07, 2E-07)*	8E-08	*(4E-08, 1E-07)*	2E-08	*(2E-08, 2E-08)*	**9E-06**	*(4E-06, 2E-05)*
Dairy Farmer	2E-06	*(8E-07, 3E-06)*	2E-07	*(1E-07, 4E-07)*	5E-10	*(5E-10, 5E-10)*	1E-08	*(1E-08, 1E-08)*	9E-09	*(6E-09, 2E-08)*	3E-09	*(2E-09, 5E-09)*	**2E-06**	*(9E-07, 3E-06)*
Produce Farmer	3E-09	*(1E-09, 6E-09)*	8E-08	*(3E-08, 2E-07)*	1E-10	*(1E-10, 1E-10)*	6E-10	*(3E-10, 1E-09)*	3E-09	*(1E-09, 7E-09)*	1E-09	*(4E-10, 3E-09)*	**9E-08**	*(4E-08, 2E-07)*
Pork Farmer	9E-08	*(5E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(9E-09, 1E-08)*	8E-09	*(4E-09, 1E-08)*	2E-09	*(2E-09, 4E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**2E-05**	***(1E-05, 3E-05)***	**9E-04**	***(7E-04, 1E-03)***	**9E-07**	***(6E-07, 1E-06)***	**1E-04**	***(1E-04, 1E-04)***	**3E-05**	***(2E-05, 3E-05)***	**5E-05**	***(5E-05, 5E-05)***	**1E-03**	***(9E-04, 1E-03)***

Table II-D34. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-04	*(7E-05, 2E-04)*	3E-04	*(3E-04, 4E-04)*	2E-06	*(9E-07, 3E-06)*	2E-04	*(2E-04, 2E-04)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	**6E-04**	*(6E-04, 7E-04)*
Home Gardener	9E-05	*(6E-05, 1E-04)*	2E-04	*(2E-04, 2E-04)*	1E-06	*(6E-07, 2E-06)*	1E-04	*(1E-04, 1E-04)*	6E-06	*(5E-06, 7E-06)*	1E-05	*(1E-05, 1E-05)*	**4E-04**	*(4E-04, 5E-04)*
Beef Farmer	1E-05	*(6E-06, 2E-05)*	2E-06	*(8E-07, 5E-06)*	9E-09	*(4E-09, 2E-08)*	3E-07	*(3E-07, 3E-07)*	1E-07	*(5E-08, 3E-07)*	2E-08	*(2E-08, 3E-08)*	**1E-05**	*(7E-06, 3E-05)*
Dairy Farmer	1E-05	*(5E-06, 2E-05)*	2E-07	*(9E-08, 5E-07)*	8E-10	*(3E-10, 2E-09)*	3E-08	*(2E-08, 3E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(2E-09, 3E-09)*	**1E-05**	*(5E-06, 3E-05)*
Produce Farmer	2E-08	*(9E-09, 5E-08)*	3E-08	*(1E-08, 6E-08)*	7E-11	*(7E-11, 7E-11)*	3E-09	*(1E-09, 6E-09)*	2E-09	*(1E-09, 4E-09)*	4E-10	*(4E-10, 4E-10)*	**5E-08**	*(3E-08, 9E-08)*
Pork Farmer	3E-07	*(2E-07, 5E-07)*	2E-07	*(8E-08, 5E-07)*	1E-09	*(5E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(1E-09, 2E-09)*	**5E-07**	*(3E-07, 1E-06)*
Total	**2E-04**	***(1E-04, 4E-04)***	**5E-04**	***(4E-04, 6E-04)***	**3E-06**	***(2E-06, 5E-06)***	**3E-04**	***(3E-04, 3E-04)***	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	***(3E-05, 3E-05)***	**1E-03**	***(9E-04, 1E-03)***
MACT Floor Emissions														
Resident	9E-05	*(5E-05, 2E-04)*	2E-04	*(2E-04, 3E-04)*	2E-06	*(8E-07, 3E-06)*	3E-05	*(3E-05, 3E-05)*	9E-06	*(8E-06, 1E-05)*	1E-05	*(1E-05, 1E-05)*	**4E-04**	*(3E-04, 5E-04)*
Home Gardener	6E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	8E-06	*(8E-06, 9E-06)*	**3E-04**	*(2E-04, 3E-04)*
Beef Farmer	1E-05	*(4E-06, 2E-05)*	2E-06	*(7E-07, 5E-06)*	8E-09	*(4E-09, 2E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*(5E-08, 3E-07)*	8E-09	*(7E-09, 9E-09)*	**1E-05**	*(5E-06, 3E-05)*
Dairy Farmer	1E-05	*(4E-06, 2E-05)*	2E-07	*(8E-08, 4E-07)*	7E-10	*(3E-10, 2E-09)*	5E-09	*(4E-09, 7E-09)*	1E-08	*(5E-09, 3E-08)*	9E-10	*(6E-10, 1E-09)*	**1E-05**	*(4E-06, 2E-05)*
Produce Farmer	2E-08	*(9E-09, 5E-08)*	3E-08	*(1E-08, 6E-08)*	7E-11	*(7E-11, 7E-11)*	4E-10	*(4E-10, 4E-10)*	2E-09	*(1E-09, 4E-09)*	3E-10	*(3E-10, 3E-10)*	**5E-08**	*(3E-08, 9E-08)*
Pork Farmer	2E-07	*(9E-08, 5E-07)*	2E-07	*(7E-08, 4E-07)*	9E-10	*(4E-10, 2E-09)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(5E-09, 3E-08)*	9E-10	*(9E-10, 9E-10)*	**4E-07**	*(2E-07, 9E-07)*
Total	**2E-04**	***(1E-04, 3E-04)***	**4E-04**	***(3E-04, 5E-04)***	**2E-06**	***(1E-06, 5E-06)***	**4E-05**	***(4E-05, 5E-05)***	**2E-05**	***(1E-05, 2E-05)***	**2E-05**	***(2E-05, 2E-05)***	**7E-04**	***(6E-04, 8E-04)***
MACT BTF Emissions														
Resident	1E-05	*(7E-06, 2E-05)*	2E-04	*(2E-04, 3E-04)*	1E-06	*(8E-07, 3E-06)*	3E-05	*(3E-05, 3E-05)*	9E-06	*(7E-06, 1E-05)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 3E-04)*
Home Gardener	9E-06	*(6E-06, 1E-05)*	1E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(8E-06, 9E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	7E-07	*(4E-07, 1E-06)*	3E-07	*(1E-07, 6E-07)*	3E-09	*(2E-09, 5E-09)*	5E-08	*(5E-08, 6E-08)*	3E-08	*(2E-08, 4E-08)*	8E-09	*(7E-09, 9E-09)*	**1E-06**	*(6E-07, 2E-06)*
Dairy Farmer	8E-07	*(5E-07, 1E-06)*	5E-08	*(3E-08, 1E-07)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(4E-09, 4E-09)*	3E-09	*(2E-09, 4E-09)*	9E-10	*(6E-10, 1E-09)*	**9E-07**	*(5E-07, 1E-06)*
Produce Farmer	2E-09	*(1E-09, 3E-09)*	2E-08	*(8E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	4E-10	*(4E-10, 4E-10)*	2E-09	*(1E-09, 3E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(1E-08, 6E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 8E-08)*	3E-10	*(3E-10, 3E-10)*	5E-09	*(4E-09, 6E-09)*	3E-09	*(2E-09, 4E-09)*	9E-10	*(9E-10, 9E-10)*	**7E-08**	*(4E-08, 1E-07)*
Total	**2E-05**	***(1E-05, 3E-05)***	**4E-04**	***(3E-04, 5E-04)***	**2E-06**	***(1E-06, 5E-06)***	**4E-05**	***(4E-05, 5E-05)***	**1E-05**	***(1E-05, 2E-05)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 6E-04)***
MACT Standard Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	2E-04	*(2E-04, 3E-04)*	1E-06	*(8E-07, 3E-06)*	3E-05	*(3E-05, 3E-05)*	9E-06	*(7E-06, 1E-05)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 4E-04)*
Home Gardener	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(8E-06, 9E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	1E-06	*(8E-07, 3E-06)*	3E-07	*(1E-07, 6E-07)*	3E-09	*(2E-09, 5E-09)*	5E-08	*(5E-08, 6E-08)*	3E-08	*(2E-08, 4E-08)*	8E-09	*(7E-09, 9E-09)*	**2E-06**	*(1E-06, 3E-06)*
Dairy Farmer	1E-06	*(8E-07, 3E-06)*	5E-08	*(3E-08, 1E-07)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(4E-09, 4E-09)*	3E-09	*(2E-09, 4E-09)*	9E-10	*(6E-10, 1E-09)*	**1E-06**	*(9E-07, 3E-06)*
Produce Farmer	3E-09	*(2E-09, 5E-09)*	2E-08	*(8E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	4E-10	*(4E-10, 4E-10)*	2E-09	*(1E-09, 3E-09)*	3E-10	*(3E-10, 3E-10)*	**3E-08**	*(1E-08, 6E-08)*
Pork Farmer	4E-08	*(3E-08, 6E-08)*	4E-08	*(2E-08, 8E-08)*	3E-10	*(3E-10, 3E-10)*	5E-09	*(4E-09, 6E-09)*	3E-09	*(2E-09, 4E-09)*	9E-10	*(9E-10, 9E-10)*	**9E-08**	*(6E-08, 1E-07)*
Total	**4E-05**	***(3E-05, 7E-05)***	**4E-04**	***(3E-04, 5E-04)***	**2E-06**	***(1E-06, 5E-06)***	**4E-05**	***(4E-05, 5E-05)***	**1E-05**	***(1E-05, 2E-05)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 6E-04)***

Table II-D35. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-05	*(3E-05, 7E-05)*	2E-04	*(2E-04, 3E-04)*	1E-06	*(7E-07, 3E-06)*	1E-04	*(1E-04, 1E-04)*	8E-06	*(6E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	**4E-04**	*(4E-04, 5E-04)*
Home Gardener	4E-05	*(3E-05, 7E-05)*	1E-04	*(1E-04, 2E-04)*	8E-07	*(4E-07, 2E-06)*	8E-05	*(7E-05, 8E-05)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(8E-06, 9E-06)*	**3E-04**	*(2E-04, 3E-04)*
Beef Farmer	2E-05	*(8E-06, 3E-05)*	2E-06	*(8E-07, 5E-06)*	9E-09	*(4E-09, 2E-08)*	3E-07	*(2E-07, 3E-07)*	1E-07	*(5E-08, 3E-07)*	2E-08	*(1E-08, 2E-08)*	**2E-05**	*(9E-06, 4E-05)*
Dairy Farmer	6E-06	*(3E-06, 1E-05)*	2E-07	*(8E-08, 5E-07)*	8E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(1E-09, 2E-09)*	**7E-06**	*(3E-06, 1E-05)*
Produce Farmer	1E-08	*(6E-09, 4E-08)*	2E-08	*(9E-09, 4E-08)*	6E-11	*(6E-11, 6E-11)*	2E-09	*(9E-10, 6E-09)*	2E-09	*(1E-09, 3E-09)*	4E-10	*(4E-10, 4E-10)*	**4E-08**	*(2E-08, 7E-08)*
Pork Farmer	2E-07	*(1E-07, 4E-07)*	2E-07	*(8E-08, 5E-07)*	9E-10	*(4E-10, 2E-09)*	2E-08	*(2E-08, 2E-08)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(1E-09, 2E-09)*	**4E-07**	*(2E-07, 9E-07)*
Total	**1E-04**	***(7E-05, 2E-04)***	**4E-04**	***(3E-04, 4E-04)***	**2E-06**	***(1E-06, 4E-06)***	**2E-04**	***(2E-04, 2E-04)***	**1E-05**	***(1E-05, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**7E-04**	***(6E-04, 8E-04)***
MACT Floor Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	2E-04	*(1E-04, 2E-04)*	1E-06	*(6E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	7E-06	*(6E-06, 8E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 3E-04)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	1E-04	*(9E-05, 1E-04)*	7E-07	*(4E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(4E-06, 5E-06)*	6E-06	*(6E-06, 6E-06)*	**2E-04**	*(1E-04, 2E-04)*
Beef Farmer	1E-05	*(5E-06, 3E-05)*	2E-06	*(7E-07, 5E-06)*	8E-09	*(4E-09, 2E-08)*	6E-08	*(5E-08, 7E-08)*	1E-07	*(5E-08, 3E-07)*	7E-09	*(6E-09, 7E-09)*	**2E-05**	*(6E-06, 4E-05)*
Dairy Farmer	6E-06	*(2E-06, 1E-05)*	2E-07	*(7E-08, 4E-07)*	7E-10	*(3E-10, 2E-09)*	5E-09	*(4E-09, 6E-09)*	1E-08	*(4E-09, 3E-08)*	8E-10	*(8E-10, 8E-10)*	**6E-06**	*(2E-06, 1E-05)*
Produce Farmer	1E-08	*(6E-09, 4E-08)*	2E-08	*(9E-09, 4E-08)*	6E-11	*(6E-11, 6E-11)*	4E-10	*(4E-10, 4E-10)*	2E-09	*(1E-09, 3E-09)*	3E-10	*(3E-10, 3E-10)*	**4E-08**	*(2E-08, 6E-08)*
Pork Farmer	1E-07	*(6E-08, 3E-07)*	2E-07	*(7E-08, 4E-07)*	8E-10	*(4E-10, 2E-09)*	5E-09	*(4E-09, 7E-09)*	1E-08	*(4E-09, 3E-08)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(1E-07, 8E-07)*
Total	**8E-05**	***(5E-05, 1E-04)***	**3E-04**	***(2E-04, 3E-04)***	**2E-06**	***(1E-06, 4E-06)***	**3E-05**	***(3E-05, 4E-05)***	**1E-05**	***(1E-05, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**4E-04**	***(4E-04, 5E-04)***
MACT BTF Emissions														
Resident	4E-06	*(3E-06, 7E-06)*	2E-04	*(1E-04, 2E-04)*	1E-06	*(6E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	4E-06	*(3E-06, 6E-06)*	1E-04	*(9E-05, 1E-04)*	7E-07	*(4E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(6E-06, 6E-06)*	**1E-04**	*(1E-04, 1E-04)*
Beef Farmer	9E-07	*(5E-07, 2E-06)*	3E-07	*(1E-07, 6E-07)*	2E-09	*(1E-09, 4E-09)*	5E-08	*(4E-08, 5E-08)*	3E-08	*(2E-08, 4E-08)*	7E-09	*(6E-09, 7E-09)*	**1E-06**	*(7E-07, 2E-06)*
Dairy Farmer	5E-07	*(3E-07, 8E-07)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(4E-09, 4E-09)*	3E-09	*(2E-09, 4E-09)*	8E-10	*(8E-10, 8E-10)*	**5E-07**	*(3E-07, 9E-07)*
Produce Farmer	1E-09	*(7E-10, 2E-09)*	1E-08	*(5E-09, 4E-08)*	4E-11	*(4E-11, 4E-11)*	3E-10	*(3E-10, 3E-10)*	2E-09	*(8E-10, 3E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(8E-09, 4E-08)*
Pork Farmer	1E-08	*(8E-09, 2E-08)*	4E-08	*(2E-08, 7E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	3E-09	*(2E-09, 4E-09)*	7E-10	*(7E-10, 7E-10)*	**6E-08**	*(3E-08, 1E-07)*
Total	**1E-05**	***(7E-06, 1E-05)***	**3E-04**	***(2E-04, 3E-04)***	**2E-06**	***(9E-07, 4E-06)***	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(9E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 4E-04)***
MACT Standard Emissions														
Resident	8E-06	*(5E-06, 1E-05)*	2E-04	*(1E-04, 2E-04)*	1E-06	*(6E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	7E-06	*(4E-06, 1E-05)*	1E-04	*(9E-05, 1E-04)*	7E-07	*(4E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(6E-06, 6E-06)*	**1E-04**	*(1E-04, 2E-04)*
Beef Farmer	2E-06	*(1E-06, 3E-06)*	3E-07	*(1E-07, 6E-07)*	2E-09	*(1E-09, 4E-09)*	5E-08	*(4E-08, 5E-08)*	3E-08	*(2E-08, 4E-08)*	7E-09	*(6E-09, 7E-09)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	8E-07	*(5E-07, 2E-06)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(4E-09, 4E-09)*	3E-09	*(2E-09, 4E-09)*	8E-10	*(8E-10, 8E-10)*	**9E-07**	*(5E-07, 2E-06)*
Produce Farmer	2E-09	*(1E-09, 3E-09)*	1E-08	*(5E-09, 4E-08)*	4E-11	*(4E-11, 4E-11)*	3E-10	*(3E-10, 3E-10)*	2E-09	*(8E-10, 3E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(8E-09, 4E-08)*
Pork Farmer	3E-08	*(2E-08, 4E-08)*	4E-08	*(2E-08, 7E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	3E-09	*(2E-09, 4E-09)*	7E-10	*(7E-10, 7E-10)*	**7E-08**	*(4E-08, 1E-07)*
Total	**2E-05**	***(1E-05, 3E-05)***	**3E-04**	***(2E-04, 3E-04)***	**2E-06**	***(9E-07, 4E-06)***	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(9E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 4E-04)***

Table II-D36. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-05	*(2E-05, 6E-05)*	2E-04	*(2E-04, 2E-04)*	1E-06	*(5E-07, 2E-06)*	1E-04	*(1E-04, 1E-04)*	7E-06	*(5E-06, 8E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 4E-04)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	1E-04	*(1E-04, 1E-04)*	6E-07	*(3E-07, 1E-06)*	7E-05	*(6E-05, 7E-05)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*	**2E-04**	*(2E-04, 3E-04)*
Beef Farmer	7E-06	*(4E-06, 1E-05)*	1E-06	*(5E-07, 3E-06)*	6E-09	*(3E-09, 1E-08)*	2E-07	*(2E-07, 2E-07)*	8E-08	*(3E-08, 2E-07)*	1E-08	*(9E-09, 1E-08)*	**9E-06**	*(4E-06, 2E-05)*
Dairy Farmer	3E-06	*(1E-06, 6E-06)*	1E-07	*(5E-08, 3E-07)*	5E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	7E-09	*(3E-09, 2E-08)*	1E-09	*(1E-09, 1E-09)*	**3E-06**	*(1E-06, 6E-06)*
Produce Farmer	1E-08	*(4E-09, 2E-08)*	2E-08	*(8E-09, 3E-08)*	5E-11	*(5E-11, 5E-11)*	2E-09	*(7E-10, 5E-09)*	1E-09	*(8E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**3E-08**	*(2E-08, 5E-08)*
Pork Farmer	1E-07	*(7E-08, 2E-07)*	1E-07	*(5E-08, 3E-07)*	6E-10	*(3E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	7E-09	*(3E-09, 2E-08)*	1E-09	*(1E-09, 1E-09)*	**3E-07**	*(1E-07, 5E-07)*
Total	**8E-05**	***(5E-05, 1E-04)***	**3E-04**	***(3E-04, 3E-04)***	**2E-06**	***(9E-07, 3E-06)***	**2E-04**	***(2E-04, 2E-04)***	**1E-05**	***(9E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**6E-04**	***(5E-04, 7E-04)***
MACT Floor Emissions														
Resident	3E-05	*(2E-05, 4E-05)*	1E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	6E-06	*(5E-06, 7E-06)*	8E-06	*(7E-06, 8E-06)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	9E-05	*(7E-05, 1E-04)*	5E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	4E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 5E-06)*	**1E-04**	*(1E-04, 2E-04)*
Beef Farmer	6E-06	*(3E-06, 1E-05)*	1E-06	*(4E-07, 3E-06)*	5E-09	*(2E-09, 1E-08)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(3E-08, 2E-07)*	5E-09	*(4E-09, 5E-09)*	**7E-06**	*(3E-06, 2E-05)*
Dairy Farmer	2E-06	*(1E-06, 6E-06)*	1E-07	*(5E-08, 2E-07)*	4E-10	*(4E-10, 4E-10)*	3E-09	*(2E-09, 4E-09)*	6E-09	*(3E-09, 1E-08)*	6E-10	*(6E-10, 6E-10)*	**3E-06**	*(1E-06, 6E-06)*
Produce Farmer	1E-08	*(4E-09, 2E-08)*	2E-08	*(7E-09, 3E-08)*	5E-11	*(5E-11, 5E-11)*	3E-10	*(3E-10, 3E-10)*	1E-09	*(8E-10, 2E-09)*	2E-10	*(2E-10, 2E-10)*	**3E-08**	*(2E-08, 5E-08)*
Pork Farmer	8E-08	*(4E-08, 2E-07)*	1E-07	*(4E-08, 3E-07)*	5E-10	*(3E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*	7E-09	*(3E-09, 2E-08)*	5E-10	*(5E-10, 5E-10)*	**2E-07**	*(9E-08, 4E-07)*
Total	**6E-05**	***(4E-05, 9E-05)***	**2E-04**	***(2E-04, 3E-04)***	**1E-06**	***(8E-07, 3E-06)***	**3E-05**	***(3E-05, 3E-05)***	**1E-05**	***(8E-06, 1E-05)***	**1E-05**	***(1E-05, 1E-05)***	**3E-04**	***(3E-04, 4E-04)***
MACT BTF Emissions														
Resident	3E-06	*(2E-06, 5E-06)*	1E-04	*(1E-04, 2E-04)*	8E-07	*(4E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(5E-06, 6E-06)*	8E-06	*(7E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Home Gardener	3E-06	*(2E-06, 5E-06)*	8E-05	*(7E-05, 1E-04)*	5E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 5E-06)*	**1E-04**	*(9E-05, 1E-04)*
Beef Farmer	4E-07	*(2E-07, 7E-07)*	2E-07	*(8E-08, 3E-07)*	2E-09	*(1E-09, 3E-09)*	3E-08	*(3E-08, 3E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(4E-09, 5E-09)*	**6E-07**	*(4E-07, 1E-06)*
Dairy Farmer	2E-07	*(1E-07, 4E-07)*	3E-08	*(1E-08, 6E-08)*	1E-10	*(1E-10, 1E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(1E-09, 3E-09)*	6E-10	*(6E-10, 6E-10)*	**3E-07**	*(2E-07, 4E-07)*
Produce Farmer	8E-10	*(5E-10, 1E-09)*	1E-08	*(4E-09, 3E-08)*	3E-11	*(3E-11, 3E-11)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-10	*(2E-10, 2E-10)*	**1E-08**	*(6E-09, 3E-08)*
Pork Farmer	1E-08	*(6E-09, 1E-08)*	3E-08	*(1E-08, 5E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(2E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	5E-10	*(5E-10, 5E-10)*	**4E-08**	*(2E-08, 7E-08)*
Total	**7E-06**	***(5E-06, 1E-05)***	**2E-04**	***(2E-04, 3E-04)***	**1E-06**	***(7E-07, 3E-06)***	**3E-05**	***(3E-05, 3E-05)***	**9E-06**	***(7E-06, 1E-05)***	**1E-05**	***(1E-05, 1E-05)***	**3E-04**	***(2E-04, 3E-04)***
MACT Standard Emissions														
Resident	7E-06	*(4E-06, 1E-05)*	1E-04	*(1E-04, 2E-04)*	8E-07	*(4E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(5E-06, 6E-06)*	8E-06	*(7E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Home Gardener	6E-06	*(4E-06, 1E-05)*	8E-05	*(7E-05, 1E-04)*	5E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 5E-06)*	**1E-04**	*(9E-05, 1E-04)*
Beef Farmer	9E-07	*(5E-07, 2E-06)*	2E-07	*(8E-08, 3E-07)*	2E-09	*(1E-09, 3E-09)*	3E-08	*(3E-08, 3E-08)*	2E-08	*(1E-08, 3E-08)*	5E-09	*(4E-09, 5E-09)*	**1E-06**	*(7E-07, 2E-06)*
Dairy Farmer	4E-07	*(2E-07, 7E-07)*	3E-08	*(1E-08, 6E-08)*	1E-10	*(1E-10, 1E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(1E-09, 3E-09)*	6E-10	*(6E-10, 6E-10)*	**4E-07**	*(3E-07, 7E-07)*
Produce Farmer	1E-09	*(7E-10, 2E-09)*	1E-08	*(4E-09, 3E-08)*	3E-11	*(3E-11, 3E-11)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-10	*(2E-10, 2E-10)*	**1E-08**	*(6E-09, 3E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	3E-08	*(1E-08, 5E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(2E-09, 3E-09)*	2E-09	*(1E-09, 3E-09)*	5E-10	*(5E-10, 5E-10)*	**5E-08**	*(3E-08, 8E-08)*
Total	**1E-05**	***(9E-06, 2E-05)***	**2E-04**	***(2E-04, 3E-04)***	**1E-06**	***(7E-07, 3E-06)***	**3E-05**	***(3E-05, 3E-05)***	**9E-06**	***(7E-06, 1E-05)***	**1E-05**	***(1E-05, 1E-05)***	**3E-04**	***(2E-04, 3E-04)***

Table II-D37. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-04	*(9E-05, 2E-04)*	8E-04	*(7E-04, 1E-03)*	5E-06	*(3E-06, 1E-05)*	4E-04	*(4E-04, 5E-04)*	3E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 5E-05)*	**2E-03**	*(1E-03, 2E-03)*
Home Gardener	2E-04	*(1E-04, 3E-04)*	5E-04	*(4E-04, 7E-04)*	3E-06	*(2E-06, 6E-06)*	3E-04	*(3E-04, 3E-04)*	2E-05	*(2E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*	**1E-03**	*(9E-04, 1E-03)*
Beef Farmer	8E-05	*(4E-05, 2E-04)*	8E-06	*(3E-06, 2E-05)*	3E-08	*(2E-08, 8E-08)*	9E-07	*(8E-07, 9E-07)*	5E-07	*(2E-07, 1E-06)*	6E-08	*(5E-08, 8E-08)*	**9E-05**	*(4E-05, 2E-04)*
Dairy Farmer	1E-05	*(6E-06, 3E-05)*	8E-07	*(3E-07, 2E-06)*	3E-09	*(1E-09, 7E-09)*	8E-08	*(7E-08, 9E-08)*	4E-08	*(2E-08, 1E-07)*	6E-09	*(5E-09, 9E-09)*	**1E-05**	*(7E-06, 3E-05)*
Produce Farmer	7E-08	*(3E-08, 2E-07)*	1E-07	*(5E-08, 2E-07)*	3E-10	*(3E-10, 3E-10)*	1E-08	*(4E-09, 2E-08)*	8E-09	*(5E-09, 1E-08)*	2E-09	*(8E-10, 3E-09)*	**2E-07**	*(1E-07, 3E-07)*
Pork Farmer	1E-06	*(6E-07, 2E-06)*	8E-07	*(3E-07, 2E-06)*	4E-09	*(2E-09, 7E-09)*	7E-08	*(6E-08, 8E-08)*	5E-08	*(2E-08, 1E-07)*	6E-09	*(4E-09, 8E-09)*	**2E-06**	*(1E-06, 4E-06)*
Total	**4E-04**	***(3E-04, 6E-04)***	**1E-03**	***(1E-03, 2E-03)***	**9E-06**	***(5E-06, 2E-05)***	**7E-04**	***(7E-04, 8E-04)***	**5E-05**	***(4E-05, 6E-05)***	**8E-05**	***(7E-05, 8E-05)***	**3E-03**	***(2E-03, 3E-03)***
MACT Floor Emissions														
Resident	1E-04	*(6E-05, 2E-04)*	7E-04	*(5E-04, 8E-04)*	5E-06	*(2E-06, 9E-06)*	7E-05	*(7E-05, 8E-05)*	3E-05	*(2E-05, 3E-05)*	3E-05	*(3E-05, 4E-05)*	**9E-04**	*(8E-04, 1E-03)*
Home Gardener	1E-04	*(7E-05, 2E-04)*	4E-04	*(3E-04, 5E-04)*	3E-06	*(2E-06, 5E-06)*	4E-05	*(4E-05, 5E-05)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	**6E-04**	*(5E-04, 7E-04)*
Beef Farmer	7E-05	*(3E-05, 2E-04)*	7E-06	*(2E-06, 2E-05)*	3E-08	*(1E-08, 7E-08)*	2E-07	*(2E-07, 3E-07)*	4E-07	*(2E-07, 1E-06)*	2E-08	*(2E-08, 3E-08)*	**7E-05**	*(3E-05, 2E-04)*
Dairy Farmer	1E-05	*(5E-06, 3E-05)*	7E-07	*(3E-07, 2E-06)*	3E-09	*(1E-09, 6E-09)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(2E-08, 9E-08)*	3E-09	*(2E-09, 5E-09)*	**1E-05**	*(5E-06, 3E-05)*
Produce Farmer	7E-08	*(3E-08, 2E-07)*	1E-07	*(5E-08, 2E-07)*	3E-10	*(3E-10, 3E-10)*	2E-09	*(9E-10, 2E-09)*	8E-09	*(5E-09, 1E-08)*	1E-09	*(5E-10, 3E-09)*	**2E-07**	*(1E-07, 3E-07)*
Pork Farmer	7E-07	*(3E-07, 2E-06)*	7E-07	*(3E-07, 2E-06)*	3E-09	*(2E-09, 6E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 1E-07)*	3E-09	*(2E-09, 4E-09)*	**1E-06**	*(6E-07, 3E-06)*
Total	**3E-04**	***(2E-04, 5E-04)***	**1E-03**	***(9E-04, 1E-03)***	**8E-06**	***(4E-06, 1E-05)***	**1E-04**	***(1E-04, 1E-04)***	**5E-05**	***(4E-05, 6E-05)***	**5E-05**	***(5E-05, 6E-05)***	**2E-03**	***(1E-03, 2E-03)***
MACT BTF Emissions														
Resident	1E-05	*(9E-06, 2E-05)*	6E-04	*(5E-04, 7E-04)*	4E-06	*(2E-06, 9E-06)*	7E-05	*(7E-05, 8E-05)*	2E-05	*(2E-05, 3E-05)*	3E-05	*(3E-05, 4E-05)*	**7E-04**	*(6E-04, 9E-04)*
Home Gardener	2E-05	*(1E-05, 2E-05)*	4E-04	*(3E-04, 5E-04)*	3E-06	*(1E-06, 5E-06)*	4E-05	*(4E-05, 5E-05)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	**5E-04**	*(4E-04, 6E-04)*
Beef Farmer	5E-06	*(3E-06, 9E-06)*	1E-06	*(5E-07, 2E-06)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(1E-07, 2E-07)*	9E-08	*(6E-08, 2E-07)*	2E-08	*(2E-08, 3E-08)*	**6E-06**	*(4E-06, 1E-05)*
Dairy Farmer	1E-06	*(6E-07, 2E-06)*	2E-07	*(1E-07, 4E-07)*	7E-10	*(7E-10, 7E-10)*	1E-08	*(1E-08, 1E-08)*	1E-08	*(6E-09, 2E-08)*	3E-09	*(2E-09, 5E-09)*	**1E-06**	*(7E-07, 2E-06)*
Produce Farmer	5E-09	*(3E-09, 9E-09)*	8E-08	*(3E-08, 2E-07)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(8E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	1E-09	*(5E-10, 3E-09)*	**1E-07**	*(4E-08, 2E-07)*
Pork Farmer	8E-08	*(5E-08, 1E-07)*	2E-07	*(9E-08, 3E-07)*	1E-09	*(8E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	1E-08	*(6E-09, 2E-08)*	3E-09	*(2E-09, 4E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**4E-05**	***(3E-05, 5E-05)***	**1E-03**	***(8E-04, 1E-03)***	**7E-06**	***(4E-06, 1E-05)***	**1E-04**	***(1E-04, 1E-04)***	**4E-05**	***(3E-05, 5E-05)***	**5E-05**	***(5E-05, 6E-05)***	**1E-03**	***(1E-03, 1E-03)***
MACT Standard Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	6E-04	*(5E-04, 7E-04)*	4E-06	*(2E-06, 9E-06)*	7E-05	*(7E-05, 8E-05)*	2E-05	*(2E-05, 3E-05)*	3E-05	*(3E-05, 4E-05)*	**8E-04**	*(6E-04, 9E-04)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	3E-06	*(1E-06, 5E-06)*	4E-05	*(4E-05, 5E-05)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	**5E-04**	*(4E-04, 6E-04)*
Beef Farmer	1E-05	*(6E-06, 2E-05)*	1E-06	*(5E-07, 2E-06)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(1E-07, 2E-07)*	9E-08	*(6E-08, 2E-07)*	2E-08	*(2E-08, 3E-08)*	**1E-05**	*(7E-06, 2E-05)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	2E-07	*(1E-07, 4E-07)*	7E-10	*(7E-10, 7E-10)*	1E-08	*(1E-08, 1E-08)*	1E-08	*(6E-09, 2E-08)*	3E-09	*(2E-09, 5E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	8E-09	*(4E-09, 1E-08)*	8E-08	*(3E-08, 2E-07)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(8E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	1E-09	*(5E-10, 3E-09)*	**1E-07**	*(4E-08, 2E-07)*
Pork Farmer	2E-07	*(1E-07, 2E-07)*	2E-07	*(9E-08, 3E-07)*	1E-09	*(8E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	1E-08	*(6E-09, 2E-08)*	3E-09	*(2E-09, 4E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**7E-05**	***(5E-05, 1E-04)***	**1E-03**	***(8E-04, 1E-03)***	**7E-06**	***(4E-06, 1E-05)***	**1E-04**	***(1E-04, 1E-04)***	**4E-05**	***(3E-05, 5E-05)***	**5E-05**	***(5E-05, 6E-05)***	**1E-03**	***(1E-03, 2E-03)***

Table II-D38. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-04	*(1E-04, 4E-04)*	6E-03	*(4E-03, 1E-02)*	5E-05	*(2E-05, 9E-05)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 8E-03)*	1E-04	*(6E-05, 2E-04)*	**1E-02**	*(7E-03, 2E-02)*
Home Gardener	1E-04	*(8E-05, 3E-04)*	4E-03	*(2E-03, 6E-03)*	3E-05	*(2E-05, 6E-05)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	7E-05	*(4E-05, 1E-04)*	**7E-03**	*(5E-03, 1E-02)*
Beef Farmer	2E-06	*(1E-06, 4E-06)*	1E-05	*(7E-06, 3E-05)*	5E-08	*(3E-08, 1E-07)*	6E-06	*(3E-06, 1E-05)*	3E-06	*(1E-06, 7E-06)*	7E-08	*(4E-08, 1E-07)*	**3E-05**	*(1E-05, 5E-05)*
Dairy Farmer	8E-06	*(7E-06, 9E-06)*	1E-06	*(6E-07, 3E-06)*	1E-08	*(4E-09, 3E-08)*	5E-07	*(3E-07, 9E-07)*	5E-07	*(3E-07, 7E-07)*	1E-08	*(7E-09, 2E-08)*	**1E-05**	*(8E-06, 1E-05)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	7E-07	*(2E-07, 2E-06)*	8E-09	*(3E-09, 2E-08)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(4E-07, 4E-06)*	1E-08	*(7E-09, 3E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	1E-07	*(1E-07, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-08	*(9E-09, 6E-08)*	6E-07	*(3E-07, 1E-06)*	6E-07	*(4E-07, 1E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(2E-06, 4E-06)*
Total	**4E-04**	***(2E-04, 7E-04)***	**1E-02**	***(6E-03, 2E-02)***	**8E-05**	***(4E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***	**6E-03**	***(3E-03, 1E-02)***	**2E-04**	***(1E-04, 3E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT Floor Emissions														
Resident	2E-04	*(1E-04, 4E-04)*	8E-04	*(4E-04, 1E-03)*	2E-05	*(8E-06, 3E-05)*	9E-05	*(6E-05, 1E-04)*	8E-04	*(4E-04, 2E-03)*	4E-05	*(2E-05, 7E-05)*	**2E-03**	*(1E-03, 3E-03)*
Home Gardener	1E-04	*(8E-05, 3E-04)*	5E-04	*(2E-04, 9E-04)*	1E-05	*(5E-06, 2E-05)*	5E-05	*(4E-05, 8E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**1E-03**	*(7E-04, 2E-03)*
Beef Farmer	2E-06	*(1E-06, 4E-06)*	2E-06	*(6E-07, 4E-06)*	1E-08	*(6E-09, 3E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 5E-07)*	2E-08	*(1E-08, 4E-08)*	**5E-06**	*(3E-06, 8E-06)*
Dairy Farmer	8E-06	*(7E-06, 9E-06)*	2E-07	*(9E-08, 5E-07)*	5E-09	*(2E-09, 2E-08)*	2E-08	*(2E-08, 4E-08)*	1E-07	*(8E-08, 2E-07)*	3E-09	*(2E-09, 4E-09)*	**8E-06**	*(7E-06, 9E-06)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	2E-07	*(6E-08, 5E-07)*	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 4E-08)*	3E-07	*(1E-07, 8E-07)*	5E-09	*(2E-09, 1E-08)*	**5E-07**	*(3E-07, 1E-06)*
Pork Farmer	1E-07	*(1E-07, 2E-07)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**6E-07**	*(4E-07, 8E-07)*
Total	**4E-04**	***(2E-04, 7E-04)***	**1E-03**	***(6E-04, 2E-03)***	**3E-05**	***(1E-05, 5E-05)***	**1E-04**	***(9E-05, 2E-04)***	**1E-03**	***(6E-04, 3E-03)***	**6E-05**	***(3E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***
MACT BTF Emissions														
Resident	6E-05	*(3E-05, 1E-04)*	8E-04	*(4E-04, 1E-03)*	2E-05	*(8E-06, 3E-05)*	9E-05	*(6E-05, 1E-04)*	8E-04	*(4E-04, 2E-03)*	4E-05	*(2E-05, 7E-05)*	**2E-03**	*(1E-03, 3E-03)*
Home Gardener	4E-05	*(2E-05, 9E-05)*	5E-04	*(2E-04, 9E-04)*	1E-05	*(5E-06, 2E-05)*	5E-05	*(4E-05, 8E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**1E-03**	*(6E-04, 2E-03)*
Beef Farmer	6E-07	*(3E-07, 1E-06)*	2E-06	*(6E-07, 4E-06)*	1E-08	*(6E-09, 3E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 5E-07)*	2E-08	*(1E-08, 4E-08)*	**3E-06**	*(1E-06, 6E-06)*
Dairy Farmer	1E-06	*(8E-07, 2E-06)*	2E-07	*(9E-08, 5E-07)*	5E-09	*(2E-09, 2E-08)*	2E-08	*(2E-08, 4E-08)*	1E-07	*(8E-08, 2E-07)*	3E-09	*(2E-09, 4E-09)*	**2E-06**	*(1E-06, 2E-06)*
Produce Farmer	2E-08	*(1E-08, 5E-08)*	2E-07	*(6E-08, 5E-07)*	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 4E-08)*	3E-07	*(1E-07, 8E-07)*	5E-09	*(2E-09, 1E-08)*	**5E-07**	*(3E-07, 1E-06)*
Pork Farmer	3E-08	*(2E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**5E-07**	*(3E-07, 8E-07)*
Total	**1E-04**	***(5E-05, 2E-04)***	**1E-03**	***(6E-04, 2E-03)***	**3E-05**	***(1E-05, 5E-05)***	**1E-04**	***(9E-05, 2E-04)***	**1E-03**	***(6E-04, 3E-03)***	**6E-05**	***(3E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***
MACT Standard Emissions														
Resident	9E-05	*(4E-05, 2E-04)*	8E-04	*(4E-04, 1E-03)*	2E-05	*(8E-06, 3E-05)*	9E-05	*(6E-05, 1E-04)*	8E-04	*(4E-04, 2E-03)*	4E-05	*(2E-05, 7E-05)*	**2E-03**	*(1E-03, 3E-03)*
Home Gardener	7E-05	*(3E-05, 1E-04)*	5E-04	*(2E-04, 9E-04)*	1E-05	*(5E-06, 2E-05)*	5E-05	*(4E-05, 8E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**1E-03**	*(6E-04, 2E-03)*
Beef Farmer	9E-07	*(5E-07, 2E-06)*	2E-06	*(6E-07, 4E-06)*	1E-08	*(6E-09, 3E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 5E-07)*	2E-08	*(1E-08, 4E-08)*	**3E-06**	*(2E-06, 6E-06)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	2E-07	*(9E-08, 5E-07)*	5E-09	*(2E-09, 2E-08)*	2E-08	*(2E-08, 4E-08)*	1E-07	*(8E-08, 2E-07)*	3E-09	*(2E-09, 4E-09)*	**2E-06**	*(2E-06, 3E-06)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	2E-07	*(6E-08, 5E-07)*	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 4E-08)*	3E-07	*(1E-07, 8E-07)*	5E-09	*(2E-09, 1E-08)*	**5E-07**	*(3E-07, 1E-06)*
Pork Farmer	4E-08	*(3E-08, 6E-08)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**5E-07**	*(3E-07, 8E-07)*
Total	**2E-04**	***(8E-05, 3E-04)***	**1E-03**	***(6E-04, 2E-03)***	**3E-05**	***(1E-05, 5E-05)***	**1E-04**	***(9E-05, 2E-04)***	**1E-03**	***(6E-04, 3E-03)***	**6E-05**	***(3E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***

Table II-D39. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	7E-05	*(4E-05, 1E-04)*	4E-03	*(2E-03, 6E-03)*	4E-05	*(2E-05, 7E-05)*	1E-03	*(7E-04, 3E-03)*	3E-03	*(1E-03, 6E-03)*	8E-05	*(5E-05, 1E-04)*	**8E-03**	*(5E-03, 1E-02)*
Home Gardener	7E-05	*(3E-05, 1E-04)*	2E-03	*(1E-03, 4E-03)*	2E-05	*(1E-05, 4E-05)*	8E-04	*(4E-04, 2E-03)*	2E-03	*(8E-04, 4E-03)*	5E-05	*(3E-05, 8E-05)*	**5E-03**	*(3E-03, 8E-03)*
Beef Farmer	3E-06	*(1E-06, 5E-06)*	1E-05	*(5E-06, 3E-05)*	4E-08	*(2E-08, 9E-08)*	6E-06	*(2E-06, 1E-05)*	3E-06	*(1E-06, 6E-06)*	6E-08	*(3E-08, 1E-07)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	4E-06	*(4E-06, 4E-06)*	9E-07	*(4E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	4E-07	*(3E-07, 8E-07)*	4E-07	*(3E-07, 6E-07)*	8E-09	*(5E-09, 1E-08)*	**6E-06**	*(5E-06, 7E-06)*
Produce Farmer	1E-08	*(7E-09, 3E-08)*	4E-07	*(1E-07, 1E-06)*	7E-09	*(2E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(3E-07, 3E-06)*	1E-08	*(5E-09, 2E-08)*	**1E-06**	*(7E-07, 3E-06)*
Pork Farmer	7E-08	*(6E-08, 9E-08)*	9E-07	*(5E-07, 2E-06)*	2E-08	*(7E-09, 5E-08)*	5E-07	*(3E-07, 9E-07)*	5E-07	*(4E-07, 8E-07)*	2E-08	*(9E-09, 4E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**1E-04**	***(7E-05, 3E-04)***	**6E-03**	***(4E-03, 1E-02)***	**6E-05**	***(3E-05, 1E-04)***	**2E-03**	***(1E-03, 4E-03)***	**4E-03**	***(2E-03, 1E-02)***	**1E-04**	***(7E-05, 2E-04)***	**1E-02**	***(8E-03, 2E-02)***
MACT Floor Emissions														
Resident	7E-05	*(4E-05, 1E-04)*	4E-04	*(2E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(4E-05, 9E-05)*	6E-04	*(3E-04, 1E-03)*	2E-05	*(1E-05, 5E-05)*	**1E-03**	*(7E-04, 2E-03)*
Home Gardener	7E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	4E-05	*(3E-05, 6E-05)*	3E-04	*(2E-04, 8E-04)*	1E-05	*(8E-06, 3E-05)*	**7E-04**	*(4E-04, 1E-03)*
Beef Farmer	3E-06	*(1E-06, 5E-06)*	9E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(9E-09, 4E-08)*	**4E-06**	*(2E-06, 6E-06)*
Dairy Farmer	4E-06	*(4E-06, 4E-06)*	1E-07	*(5E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	9E-08	*(6E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**4E-06**	*(4E-06, 5E-06)*
Produce Farmer	1E-08	*(7E-09, 3E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(7E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 7E-07)*
Pork Farmer	7E-08	*(6E-08, 9E-08)*	1E-07	*(7E-08, 2E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	4E-09	*(2E-09, 9E-09)*	**4E-07**	*(3E-07, 6E-07)*
Total	**1E-04**	***(7E-05, 3E-04)***	**6E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**1E-04**	***(7E-05, 2E-04)***	**9E-04**	***(4E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***
MACT BTF Emissions														
Resident	2E-05	*(1E-05, 3E-05)*	4E-04	*(2E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(4E-05, 9E-05)*	6E-04	*(3E-04, 1E-03)*	2E-05	*(1E-05, 5E-05)*	**1E-03**	*(6E-04, 2E-03)*
Home Gardener	2E-05	*(9E-06, 3E-05)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	4E-05	*(3E-05, 6E-05)*	3E-04	*(2E-04, 8E-04)*	1E-05	*(8E-06, 3E-05)*	**7E-04**	*(4E-04, 1E-03)*
Beef Farmer	7E-07	*(3E-07, 1E-06)*	9E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(9E-09, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	6E-07	*(4E-07, 1E-06)*	1E-07	*(5E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	9E-08	*(6E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**9E-07**	*(6E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(7E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 7E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(7E-08, 2E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	4E-09	*(2E-09, 9E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**4E-05**	***(2E-05, 6E-05)***	**6E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**1E-04**	***(7E-05, 2E-04)***	**9E-04**	***(4E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***
MACT Standard Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	4E-04	*(2E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(4E-05, 9E-05)*	6E-04	*(3E-04, 1E-03)*	2E-05	*(1E-05, 5E-05)*	**1E-03**	*(6E-04, 2E-03)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	4E-05	*(3E-05, 6E-05)*	3E-04	*(2E-04, 8E-04)*	1E-05	*(8E-06, 3E-05)*	**7E-04**	*(4E-04, 1E-03)*
Beef Farmer	1E-06	*(5E-07, 2E-06)*	9E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(9E-09, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	9E-07	*(7E-07, 1E-06)*	1E-07	*(5E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	9E-08	*(6E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**1E-06**	*(8E-07, 2E-06)*
Produce Farmer	1E-08	*(6E-09, 3E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(7E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 7E-07)*
Pork Farmer	2E-08	*(2E-08, 4E-08)*	1E-07	*(7E-08, 2E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	4E-09	*(2E-09, 9E-09)*	**4E-07**	*(2E-07, 6E-07)*
Total	**5E-05**	***(3E-05, 1E-04)***	**6E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**1E-04**	***(7E-05, 2E-04)***	**9E-04**	***(4E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***

Table II-D40. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	5E-05	*(3E-05, 1E-04)*	3E-03	*(2E-03, 5E-03)*	3E-05	*(2E-05, 6E-05)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	6E-05	*(4E-05, 1E-04)*	**6E-03**	*(4E-03, 1E-02)*
Home Gardener	5E-05	*(2E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	2E-05	*(9E-06, 4E-05)*	7E-04	*(4E-04, 1E-03)*	1E-03	*(6E-04, 3E-03)*	4E-05	*(2E-05, 7E-05)*	**4E-03**	*(2E-03, 6E-03)*
Beef Farmer	2E-06	*(9E-07, 3E-06)*	9E-06	*(4E-06, 2E-05)*	3E-08	*(2E-08, 6E-08)*	4E-06	*(2E-06, 9E-06)*	2E-06	*(9E-07, 4E-06)*	5E-08	*(3E-08, 9E-08)*	**2E-05**	*(9E-06, 3E-05)*
Dairy Farmer	2E-06	*(2E-06, 3E-06)*	7E-07	*(3E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	4E-07	*(2E-07, 6E-07)*	3E-07	*(2E-07, 4E-07)*	6E-09	*(4E-09, 1E-08)*	**4E-06**	*(3E-06, 5E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	3E-07	*(9E-08, 8E-07)*	6E-09	*(2E-09, 2E-08)*	5E-08	*(3E-08, 1E-07)*	9E-07	*(3E-07, 2E-06)*	8E-09	*(4E-09, 2E-08)*	**1E-06**	*(5E-07, 3E-06)*
Pork Farmer	6E-08	*(5E-08, 8E-08)*	7E-07	*(3E-07, 1E-06)*	1E-08	*(6E-09, 4E-08)*	4E-07	*(2E-07, 7E-07)*	4E-07	*(3E-07, 6E-07)*	1E-08	*(7E-09, 3E-08)*	**2E-06**	*(1E-06, 2E-06)*
Total	**1E-04**	***(5E-05, 2E-04)***	**5E-03**	***(3E-03, 8E-03)***	**5E-05**	***(2E-05, 9E-05)***	**2E-03**	***(1E-03, 3E-03)***	**4E-03**	***(2E-03, 8E-03)***	**1E-04**	***(6E-05, 2E-04)***	**1E-02**	***(6E-03, 2E-02)***
MACT Floor Emissions														
Resident	5E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	5E-05	*(3E-05, 7E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**9E-04**	*(6E-04, 1E-03)*
Home Gardener	5E-05	*(2E-05, 1E-04)*	2E-04	*(1E-04, 4E-04)*	6E-06	*(3E-06, 1E-05)*	3E-05	*(2E-05, 4E-05)*	3E-04	*(1E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	**6E-04**	*(4E-04, 9E-04)*
Beef Farmer	2E-06	*(9E-07, 3E-06)*	8E-07	*(3E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	1E-07	*(9E-08, 3E-07)*	2E-07	*(2E-07, 3E-07)*	1E-08	*(7E-09, 2E-08)*	**3E-06**	*(2E-06, 5E-06)*
Dairy Farmer	2E-06	*(2E-06, 3E-06)*	8E-08	*(4E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**3E-06**	*(2E-06, 3E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(6E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(1E-09, 6E-09)*	**3E-07**	*(1E-07, 6E-07)*
Pork Farmer	6E-08	*(5E-08, 8E-08)*	1E-07	*(5E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**1E-04**	***(5E-05, 2E-04)***	**5E-04**	***(3E-04, 9E-04)***	**2E-05**	***(8E-06, 3E-05)***	**8E-05**	***(5E-05, 1E-04)***	**7E-04**	***(3E-04, 2E-03)***	**3E-05**	***(2E-05, 6E-05)***	**1E-03**	***(9E-04, 2E-03)***
MACT BTF Emissions														
Resident	1E-05	*(8E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	5E-05	*(3E-05, 7E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**9E-04**	*(5E-04, 1E-03)*
Home Gardener	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	6E-06	*(3E-06, 1E-05)*	3E-05	*(2E-05, 4E-05)*	3E-04	*(1E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	**5E-04**	*(3E-04, 9E-04)*
Beef Farmer	5E-07	*(2E-07, 1E-06)*	8E-07	*(3E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	1E-07	*(9E-08, 3E-07)*	2E-07	*(2E-07, 3E-07)*	1E-08	*(7E-09, 2E-08)*	**2E-06**	*(9E-07, 3E-06)*
Dairy Farmer	4E-07	*(3E-07, 7E-07)*	8E-08	*(4E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**6E-07**	*(4E-07, 9E-07)*
Produce Farmer	8E-09	*(4E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(6E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(1E-09, 6E-09)*	**3E-07**	*(1E-07, 6E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(5E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**3E-05**	***(2E-05, 4E-05)***	**5E-04**	***(3E-04, 9E-04)***	**2E-05**	***(8E-06, 3E-05)***	**8E-05**	***(5E-05, 1E-04)***	**7E-04**	***(3E-04, 2E-03)***	**3E-05**	***(2E-05, 6E-05)***	**1E-03**	***(8E-04, 2E-03)***
MACT Standard Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	3E-04	*(2E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	5E-05	*(3E-05, 7E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**9E-04**	*(5E-04, 1E-03)*
Home Gardener	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 4E-04)*	6E-06	*(3E-06, 1E-05)*	3E-05	*(2E-05, 4E-05)*	3E-04	*(1E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	**5E-04**	*(3E-04, 9E-04)*
Beef Farmer	7E-07	*(3E-07, 1E-06)*	8E-07	*(3E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	1E-07	*(9E-08, 3E-07)*	2E-07	*(2E-07, 3E-07)*	1E-08	*(7E-09, 2E-08)*	**2E-06**	*(1E-06, 3E-06)*
Dairy Farmer	6E-07	*(4E-07, 9E-07)*	8E-08	*(4E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(5E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**8E-07**	*(5E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(6E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(1E-09, 6E-09)*	**3E-07**	*(1E-07, 6E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(5E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**4E-05**	***(2E-05, 7E-05)***	**5E-04**	***(3E-04, 9E-04)***	**2E-05**	***(8E-06, 3E-05)***	**8E-05**	***(5E-05, 1E-04)***	**7E-04**	***(3E-04, 2E-03)***	**3E-05**	***(2E-05, 6E-05)***	**1E-03**	***(9E-04, 2E-03)***

Table II-D41. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-04	*(1E-04, 4E-04)*	2E-02	*(1E-02, 3E-02)*	2E-04	*(8E-05, 3E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(5E-03, 3E-02)*	4E-04	*(2E-04, 6E-04)*	**4E-02**	*(2E-02, 6E-02)*
Home Gardener	2E-04	*(1E-04, 5E-04)*	1E-02	*(7E-03, 2E-02)*	9E-05	*(5E-05, 2E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 2E-02)*	2E-04	*(1E-04, 4E-04)*	**2E-02**	*(2E-02, 4E-02)*
Beef Farmer	2E-05	*(9E-06, 3E-05)*	9E-05	*(3E-05, 2E-04)*	2E-07	*(8E-08, 3E-07)*	2E-05	*(1E-05, 5E-05)*	9E-06	*(4E-06, 2E-05)*	2E-07	*(1E-07, 4E-07)*	**1E-04**	*(6E-05, 3E-04)*
Dairy Farmer	7E-06	*(6E-06, 9E-06)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(1E-08, 9E-08)*	2E-06	*(1E-06, 3E-06)*	2E-06	*(1E-06, 2E-06)*	3E-08	*(2E-08, 5E-08)*	**2E-05**	*(1E-05, 3E-05)*
Produce Farmer	7E-08	*(3E-08, 1E-07)*	3E-06	*(1E-06, 8E-06)*	3E-08	*(1E-08, 8E-08)*	3E-07	*(1E-07, 6E-07)*	4E-06	*(1E-06, 1E-05)*	5E-08	*(2E-08, 1E-07)*	**7E-06**	*(4E-06, 2E-05)*
Pork Farmer	4E-07	*(3E-07, 5E-07)*	6E-06	*(3E-06, 1E-05)*	7E-08	*(3E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	2E-06	*(1E-06, 3E-06)*	7E-08	*(3E-08, 1E-07)*	**1E-05**	*(6E-06, 2E-05)*
Total	**5E-04**	***(2E-04, 1E-03)***	**3E-02**	***(2E-02, 6E-02)***	**2E-04**	***(1E-04, 5E-04)***	**9E-03**	***(5E-03, 2E-02)***	**2E-02**	***(9E-03, 4E-02)***	**6E-04**	***(3E-04, 1E-03)***	**6E-02**	***(4E-02, 1E-01)***
MACT Floor Emissions														
Resident	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 9E-05)*	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 5E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Home Gardener	2E-04	*(1E-04, 5E-04)*	2E-03	*(9E-04, 3E-03)*	3E-05	*(2E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-03	*(7E-04, 3E-03)*	7E-05	*(3E-05, 1E-04)*	**4E-03**	*(2E-03, 6E-03)*
Beef Farmer	2E-05	*(9E-06, 3E-05)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(2E-08, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	6E-08	*(3E-08, 1E-07)*	**3E-05**	*(2E-05, 5E-05)*
Dairy Farmer	7E-06	*(6E-06, 9E-06)*	1E-06	*(4E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	8E-08	*(5E-08, 1E-07)*	4E-07	*(2E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**9E-06**	*(7E-06, 1E-05)*
Produce Farmer	7E-08	*(3E-08, 1E-07)*	6E-07	*(2E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(8E-09, 4E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	4E-07	*(3E-07, 5E-07)*	9E-07	*(4E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(9E-09, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**5E-04**	***(2E-04, 1E-03)***	**4E-03**	***(2E-03, 8E-03)***	**8E-05**	***(4E-05, 2E-04)***	**4E-04**	***(3E-04, 6E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(9E-05, 4E-04)***	**1E-02**	***(6E-03, 2E-02)***
MACT BTF Emissions														
Resident	6E-05	*(4E-05, 1E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 9E-05)*	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 5E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Home Gardener	7E-05	*(4E-05, 1E-04)*	2E-03	*(9E-04, 3E-03)*	3E-05	*(2E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-03	*(7E-04, 3E-03)*	7E-05	*(3E-05, 1E-04)*	**4E-03**	*(2E-03, 6E-03)*
Beef Farmer	5E-06	*(2E-06, 1E-05)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(2E-08, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	6E-08	*(3E-08, 1E-07)*	**1E-05**	*(7E-06, 3E-05)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	1E-06	*(4E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	8E-08	*(5E-08, 1E-07)*	4E-07	*(2E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**3E-06**	*(2E-06, 5E-06)*
Produce Farmer	5E-08	*(2E-08, 1E-07)*	6E-07	*(2E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(8E-09, 4E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	1E-07	*(7E-08, 2E-07)*	9E-07	*(4E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(9E-09, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**1E-04**	***(8E-05, 2E-04)***	**4E-03**	***(2E-03, 8E-03)***	**8E-05**	***(4E-05, 2E-04)***	**4E-04**	***(3E-04, 6E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(9E-05, 4E-04)***	**9E-03**	***(5E-03, 2E-02)***
MACT Standard Emissions														
Resident	1E-04	*(5E-05, 2E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 9E-05)*	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 5E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Home Gardener	1E-04	*(5E-05, 2E-04)*	2E-03	*(9E-04, 3E-03)*	3E-05	*(2E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-03	*(7E-04, 3E-03)*	7E-05	*(3E-05, 1E-04)*	**4E-03**	*(2E-03, 6E-03)*
Beef Farmer	7E-06	*(3E-06, 2E-05)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(2E-08, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	6E-08	*(3E-08, 1E-07)*	**2E-05**	*(8E-06, 4E-05)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	1E-06	*(4E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	8E-08	*(5E-08, 1E-07)*	4E-07	*(2E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**4E-06**	*(2E-06, 6E-06)*
Produce Farmer	6E-08	*(3E-08, 1E-07)*	6E-07	*(2E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(8E-09, 4E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	1E-07	*(9E-08, 2E-07)*	9E-07	*(4E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(9E-09, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**2E-04**	***(1E-04, 4E-04)***	**4E-03**	***(2E-03, 8E-03)***	**8E-05**	***(4E-05, 2E-04)***	**4E-04**	***(3E-04, 6E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(9E-05, 4E-04)***	**9E-03**	***(5E-03, 2E-02)***

Table II-D42. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	9E-05	*(4E-05, 2E-04)*	3E-04	*(1E-04, 6E-04)*	3E-06	*(1E-06, 6E-06)*	1E-05	*(8E-06, 2E-05)*	2E-04	*(1E-04, 3E-04)*	8E-06	*(5E-06, 1E-05)*	**6E-04**	*(4E-04, 1E-03)*
Home Gardener	6E-05	*(3E-05, 1E-04)*	2E-04	*(8E-05, 4E-04)*	2E-06	*(8E-07, 4E-06)*	9E-06	*(5E-06, 1E-05)*	1E-04	*(7E-05, 2E-04)*	5E-06	*(3E-06, 9E-06)*	**4E-04**	*(2E-04, 6E-04)*
Beef Farmer	5E-06	*(2E-06, 1E-05)*	1E-07	*(7E-08, 2E-07)*	1E-09	*(7E-10, 3E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(1E-07, 5E-07)*	7E-09	*(4E-09, 1E-08)*	**5E-06**	*(3E-06, 1E-05)*
Dairy Farmer	9E-06	*(4E-06, 2E-05)*	2E-08	*(8E-09, 4E-08)*	3E-10	*(3E-10, 3E-10)*	1E-09	*(7E-10, 2E-09)*	3E-08	*(1E-08, 8E-08)*	1E-09	*(6E-10, 2E-09)*	**9E-06**	*(4E-06, 2E-05)*
Produce Farmer	3E-08	*(1E-08, 5E-08)*	1E-08	*(5E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(4E-10, 2E-09)*	1E-08	*(5E-09, 2E-08)*	1E-09	*(5E-10, 2E-09)*	**5E-08**	*(3E-08, 9E-08)*
Pork Farmer	2E-07	*(1E-07, 4E-07)*	3E-08	*(2E-08, 6E-08)*	4E-10	*(4E-10, 4E-10)*	4E-09	*(2E-09, 8E-09)*	4E-08	*(2E-08, 6E-08)*	1E-09	*(9E-10, 2E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**2E-04**	***(9E-05, 3E-04)***	**5E-04**	***(2E-04, 1E-03)***	**5E-06**	***(2E-06, 1E-05)***	**2E-05**	***(1E-05, 4E-05)***	**3E-04**	***(2E-04, 6E-04)***	**1E-05**	***(7E-06, 2E-05)***	**1E-03**	***(6E-04, 2E-03)***
MACT Floor Emissions														
Resident	9E-05	*(4E-05, 2E-04)*	2E-04	*(8E-05, 5E-04)*	3E-06	*(1E-06, 6E-06)*	1E-05	*(8E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	4E-06	*(2E-06, 7E-06)*	**5E-04**	*(3E-04, 8E-04)*
Home Gardener	6E-05	*(3E-05, 1E-04)*	1E-04	*(5E-05, 3E-04)*	2E-06	*(7E-07, 4E-06)*	9E-06	*(5E-06, 1E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(1E-06, 4E-06)*	**3E-04**	*(2E-04, 5E-04)*
Beef Farmer	5E-06	*(2E-06, 1E-05)*	7E-08	*(4E-08, 1E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	1E-07	*(8E-08, 3E-07)*	4E-09	*(2E-09, 7E-09)*	**5E-06**	*(3E-06, 1E-05)*
Dairy Farmer	9E-06	*(4E-06, 2E-05)*	8E-09	*(4E-09, 2E-08)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	7E-10	*(4E-10, 1E-09)*	**9E-06**	*(4E-06, 2E-05)*
Produce Farmer	3E-08	*(1E-08, 5E-08)*	7E-09	*(3E-09, 1E-08)*	1E-10	*(1E-10, 1E-10)*	1E-09	*(4E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	9E-10	*(4E-10, 2E-09)*	**4E-08**	*(2E-08, 7E-08)*
Pork Farmer	2E-07	*(1E-07, 4E-07)*	2E-08	*(1E-08, 5E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(2E-09, 8E-09)*	3E-08	*(2E-08, 4E-08)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(2E-07, 4E-07)*
Total	**2E-04**	***(9E-05, 3E-04)***	**3E-04**	***(1E-04, 9E-04)***	**4E-06**	***(2E-06, 1E-05)***	**2E-05**	***(1E-05, 4E-05)***	**3E-04**	***(2E-04, 4E-04)***	**7E-06**	***(4E-06, 1E-05)***	**8E-04**	***(5E-04, 1E-03)***
MACT BTF Emissions														
Resident	2E-05	*(9E-06, 3E-05)*	2E-04	*(8E-05, 5E-04)*	3E-06	*(1E-06, 6E-06)*	1E-05	*(8E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	4E-06	*(2E-06, 7E-06)*	**4E-04**	*(2E-04, 8E-04)*
Home Gardener	1E-05	*(7E-06, 2E-05)*	1E-04	*(5E-05, 3E-04)*	2E-06	*(7E-07, 4E-06)*	9E-06	*(5E-06, 1E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(1E-06, 4E-06)*	**3E-04**	*(1E-04, 5E-04)*
Beef Farmer	4E-07	*(3E-07, 7E-07)*	7E-08	*(4E-08, 1E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	1E-07	*(8E-08, 3E-07)*	4E-09	*(2E-09, 7E-09)*	**7E-07**	*(4E-07, 1E-06)*
Dairy Farmer	4E-07	*(3E-07, 7E-07)*	8E-09	*(4E-09, 2E-08)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	7E-10	*(4E-10, 1E-09)*	**5E-07**	*(3E-07, 7E-07)*
Produce Farmer	1E-09	*(7E-10, 2E-09)*	7E-09	*(3E-09, 1E-08)*	1E-10	*(1E-10, 1E-10)*	1E-09	*(4E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	9E-10	*(4E-10, 2E-09)*	**2E-08**	*(1E-08, 3E-08)*
Pork Farmer	3E-08	*(2E-08, 6E-08)*	2E-08	*(1E-08, 5E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(2E-09, 8E-09)*	3E-08	*(2E-08, 4E-08)*	7E-10	*(7E-10, 7E-10)*	**9E-08**	*(6E-08, 1E-07)*
Total	**3E-05**	***(2E-05, 5E-05)***	**3E-04**	***(1E-04, 9E-04)***	**4E-06**	***(2E-06, 1E-05)***	**2E-05**	***(1E-05, 4E-05)***	**3E-04**	***(2E-04, 4E-04)***	**7E-06**	***(4E-06, 1E-05)***	**7E-04**	***(3E-04, 1E-03)***
MACT Standard Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	2E-04	*(8E-05, 5E-04)*	3E-06	*(1E-06, 6E-06)*	1E-05	*(8E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	4E-06	*(2E-06, 7E-06)*	**4E-04**	*(2E-04, 8E-04)*
Home Gardener	2E-05	*(9E-06, 3E-05)*	1E-04	*(5E-05, 3E-04)*	2E-06	*(7E-07, 4E-06)*	9E-06	*(5E-06, 1E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(1E-06, 4E-06)*	**3E-04**	*(1E-04, 5E-04)*
Beef Farmer	6E-07	*(4E-07, 1E-06)*	7E-08	*(4E-08, 1E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	1E-07	*(8E-08, 3E-07)*	4E-09	*(2E-09, 7E-09)*	**9E-07**	*(6E-07, 1E-06)*
Dairy Farmer	7E-07	*(4E-07, 1E-06)*	8E-09	*(4E-09, 2E-08)*	2E-10	*(2E-10, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	7E-10	*(4E-10, 1E-09)*	**7E-07**	*(4E-07, 1E-06)*
Produce Farmer	2E-09	*(1E-09, 4E-09)*	7E-09	*(3E-09, 1E-08)*	1E-10	*(1E-10, 1E-10)*	1E-09	*(4E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	9E-10	*(4E-10, 2E-09)*	**2E-08**	*(1E-08, 3E-08)*
Pork Farmer	4E-08	*(2E-08, 7E-08)*	2E-08	*(1E-08, 5E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(2E-09, 8E-09)*	3E-08	*(2E-08, 4E-08)*	7E-10	*(7E-10, 7E-10)*	**1E-07**	*(6E-08, 1E-07)*
Total	**4E-05**	***(2E-05, 6E-05)***	**3E-04**	***(1E-04, 9E-04)***	**4E-06**	***(2E-06, 1E-05)***	**2E-05**	***(1E-05, 4E-05)***	**3E-04**	***(2E-04, 4E-04)***	**7E-06**	***(4E-06, 1E-05)***	**7E-04**	***(3E-04, 1E-03)***

Table II-D43. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-05	*(2E-05, 7E-05)*	2E-04	*(8E-05, 3E-04)*	2E-06	*(1E-06, 4E-06)*	1E-05	*(6E-06, 2E-05)*	1E-04	*(9E-05, 3E-04)*	6E-06	*(3E-06, 1E-05)*	**4E-04**	*(2E-04, 6E-04)*
Home Gardener	3E-05	*(2E-05, 6E-05)*	1E-04	*(5E-05, 2E-04)*	1E-06	*(6E-07, 3E-06)*	6E-06	*(4E-06, 1E-05)*	9E-05	*(5E-05, 2E-04)*	4E-06	*(2E-06, 6E-06)*	**2E-04**	*(2E-04, 4E-04)*
Beef Farmer	7E-06	*(3E-06, 2E-05)*	9E-08	*(5E-08, 2E-07)*	1E-09	*(6E-10, 3E-09)*	8E-09	*(5E-09, 1E-08)*	2E-07	*(9E-08, 5E-07)*	6E-09	*(4E-09, 1E-08)*	**8E-06**	*(3E-06, 2E-05)*
Dairy Farmer	6E-06	*(2E-06, 1E-05)*	1E-08	*(5E-09, 3E-08)*	3E-10	*(3E-10, 3E-10)*	9E-10	*(6E-10, 1E-09)*	3E-08	*(1E-08, 8E-08)*	9E-10	*(5E-10, 2E-09)*	**6E-06**	*(2E-06, 1E-05)*
Produce Farmer	2E-08	*(8E-09, 4E-08)*	8E-09	*(3E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 1E-09)*	9E-09	*(4E-09, 2E-08)*	8E-10	*(4E-10, 1E-09)*	**4E-08**	*(2E-08, 6E-08)*
Pork Farmer	1E-07	*(7E-08, 3E-07)*	2E-08	*(1E-08, 4E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 6E-09)*	3E-08	*(2E-08, 6E-08)*	1E-09	*(7E-10, 1E-09)*	**2E-07**	*(1E-07, 3E-07)*
Total	**8E-05**	***(5E-05, 1E-04)***	**3E-04**	***(1E-04, 5E-04)***	**3E-06**	***(2E-06, 7E-06)***	**2E-05**	***(1E-05, 3E-05)***	**2E-04**	***(1E-04, 4E-04)***	**9E-06**	***(5E-06, 2E-05)***	**6E-04**	***(4E-04, 1E-03)***
MACT Floor Emissions														
Resident	4E-05	*(2E-05, 7E-05)*	1E-04	*(5E-05, 3E-04)*	2E-06	*(8E-07, 4E-06)*	1E-05	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-06	*(2E-06, 5E-06)*	**3E-04**	*(2E-04, 5E-04)*
Home Gardener	3E-05	*(2E-05, 6E-05)*	7E-05	*(3E-05, 2E-04)*	1E-06	*(5E-07, 3E-06)*	6E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 3E-06)*	**2E-04**	*(1E-04, 3E-04)*
Beef Farmer	7E-06	*(3E-06, 2E-05)*	5E-08	*(3E-08, 8E-08)*	9E-10	*(5E-10, 2E-09)*	8E-09	*(5E-09, 1E-08)*	1E-07	*(7E-08, 3E-07)*	4E-09	*(2E-09, 8E-09)*	**7E-06**	*(3E-06, 2E-05)*
Dairy Farmer	6E-06	*(2E-06, 1E-05)*	5E-09	*(3E-09, 1E-08)*	2E-10	*(2E-10, 2E-10)*	9E-10	*(6E-10, 1E-09)*	2E-08	*(9E-09, 4E-08)*	7E-10	*(3E-10, 1E-09)*	**6E-06**	*(2E-06, 1E-05)*
Produce Farmer	2E-08	*(8E-09, 4E-08)*	4E-09	*(2E-09, 9E-09)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 1E-09)*	6E-09	*(3E-09, 1E-08)*	7E-10	*(3E-10, 1E-09)*	**3E-08**	*(2E-08, 5E-08)*
Pork Farmer	1E-07	*(7E-08, 3E-07)*	1E-08	*(7E-09, 3E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	6E-10	*(6E-10, 6E-10)*	**2E-07**	*(1E-07, 3E-07)*
Total	**8E-05**	***(5E-05, 1E-04)***	**2E-04**	***(8E-05, 4E-04)***	**3E-06**	***(1E-06, 7E-06)***	**2E-05**	***(9E-06, 3E-05)***	**2E-04**	***(1E-04, 3E-04)***	**5E-06**	***(3E-06, 8E-06)***	**5E-04**	***(3E-04, 8E-04)***
MACT BTF Emissions														
Resident	7E-06	*(4E-06, 1E-05)*	1E-04	*(5E-05, 3E-04)*	2E-06	*(8E-07, 4E-06)*	1E-05	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-06	*(2E-06, 5E-06)*	**3E-04**	*(1E-04, 5E-04)*
Home Gardener	6E-06	*(3E-06, 1E-05)*	7E-05	*(3E-05, 2E-04)*	1E-06	*(5E-07, 3E-06)*	6E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 3E-06)*	**2E-04**	*(9E-05, 3E-04)*
Beef Farmer	6E-07	*(3E-07, 9E-07)*	5E-08	*(3E-08, 8E-08)*	9E-10	*(5E-10, 2E-09)*	8E-09	*(5E-09, 1E-08)*	1E-07	*(7E-08, 3E-07)*	4E-09	*(2E-09, 8E-09)*	**7E-07**	*(5E-07, 1E-06)*
Dairy Farmer	3E-07	*(2E-07, 4E-07)*	5E-09	*(3E-09, 1E-08)*	2E-10	*(2E-10, 2E-10)*	9E-10	*(6E-10, 1E-09)*	2E-08	*(9E-09, 4E-08)*	7E-10	*(3E-10, 1E-09)*	**3E-07**	*(2E-07, 4E-07)*
Produce Farmer	8E-10	*(4E-10, 1E-09)*	4E-09	*(2E-09, 9E-09)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 1E-09)*	6E-09	*(3E-09, 1E-08)*	7E-10	*(3E-10, 1E-09)*	**1E-08**	*(8E-09, 2E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-08	*(7E-09, 3E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	6E-10	*(6E-10, 6E-10)*	**6E-08**	*(4E-08, 1E-07)*
Total	**1E-05**	***(8E-06, 2E-05)***	**2E-04**	***(8E-05, 4E-04)***	**3E-06**	***(1E-06, 7E-06)***	**2E-05**	***(9E-06, 3E-05)***	**2E-04**	***(1E-04, 3E-04)***	**5E-06**	***(3E-06, 8E-06)***	**4E-04**	***(2E-04, 7E-04)***
MACT Standard Emissions														
Resident	9E-06	*(5E-06, 2E-05)*	1E-04	*(5E-05, 3E-04)*	2E-06	*(8E-07, 4E-06)*	1E-05	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-06	*(2E-06, 5E-06)*	**3E-04**	*(1E-04, 5E-04)*
Home Gardener	8E-06	*(5E-06, 1E-05)*	7E-05	*(3E-05, 2E-04)*	1E-06	*(5E-07, 3E-06)*	6E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 3E-06)*	**2E-04**	*(9E-05, 3E-04)*
Beef Farmer	8E-07	*(5E-07, 1E-06)*	5E-08	*(3E-08, 8E-08)*	9E-10	*(5E-10, 2E-09)*	8E-09	*(5E-09, 1E-08)*	1E-07	*(7E-08, 3E-07)*	4E-09	*(2E-09, 8E-09)*	**1E-06**	*(6E-07, 2E-06)*
Dairy Farmer	4E-07	*(2E-07, 7E-07)*	5E-09	*(3E-09, 1E-08)*	2E-10	*(2E-10, 2E-10)*	9E-10	*(6E-10, 1E-09)*	2E-08	*(9E-09, 4E-08)*	7E-10	*(3E-10, 1E-09)*	**4E-07**	*(3E-07, 8E-07)*
Produce Farmer	1E-09	*(7E-10, 3E-09)*	4E-09	*(2E-09, 9E-09)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 1E-09)*	6E-09	*(3E-09, 1E-08)*	7E-10	*(3E-10, 1E-09)*	**1E-08**	*(8E-09, 2E-08)*
Pork Farmer	2E-08	*(1E-08, 4E-08)*	1E-08	*(7E-09, 3E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	6E-10	*(6E-10, 6E-10)*	**7E-08**	*(5E-08, 1E-07)*
Total	**2E-05**	***(1E-05, 3E-05)***	**2E-04**	***(8E-05, 4E-04)***	**3E-06**	***(1E-06, 7E-06)***	**2E-05**	***(9E-06, 3E-05)***	**2E-04**	***(1E-04, 3E-04)***	**5E-06**	***(3E-06, 8E-06)***	**4E-04**	***(2E-04, 7E-04)***

Table II-D44. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	1E-04	*(7E-05, 3E-04)*	2E-06	*(8E-07, 4E-06)*	8E-06	*(5E-06, 1E-05)*	1E-04	*(7E-05, 2E-04)*	5E-06	*(3E-06, 9E-06)*	**3E-04**	*(2E-04, 5E-04)*
Home Gardener	3E-05	*(1E-05, 5E-05)*	9E-05	*(4E-05, 2E-04)*	1E-06	*(5E-07, 2E-06)*	5E-06	*(3E-06, 9E-06)*	7E-05	*(4E-05, 1E-04)*	3E-06	*(2E-06, 5E-06)*	**2E-04**	*(1E-04, 3E-04)*
Beef Farmer	4E-06	*(2E-06, 1E-05)*	7E-08	*(4E-08, 1E-07)*	1E-09	*(5E-10, 2E-09)*	7E-09	*(4E-09, 1E-08)*	2E-07	*(7E-08, 4E-07)*	5E-09	*(3E-09, 8E-09)*	**4E-06**	*(2E-06, 1E-05)*
Dairy Farmer	3E-06	*(1E-06, 8E-06)*	9E-09	*(4E-09, 2E-08)*	2E-10	*(2E-10, 2E-10)*	7E-10	*(7E-10, 7E-10)*	3E-08	*(1E-08, 7E-08)*	7E-10	*(4E-10, 1E-09)*	**3E-06**	*(1E-06, 8E-06)*
Produce Farmer	1E-08	*(6E-09, 3E-08)*	6E-09	*(3E-09, 1E-08)*	1E-10	*(1E-10, 1E-10)*	6E-10	*(3E-10, 1E-09)*	7E-09	*(3E-09, 1E-08)*	6E-10	*(3E-10, 1E-09)*	**3E-08**	*(2E-08, 5E-08)*
Pork Farmer	1E-07	*(6E-08, 2E-07)*	2E-08	*(9E-09, 3E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	3E-08	*(1E-08, 5E-08)*	8E-10	*(8E-10, 8E-10)*	**2E-07**	*(9E-08, 3E-07)*
Total	**6E-05**	***(4E-05, 1E-04)***	**2E-04**	***(1E-04, 5E-04)***	**3E-06**	***(1E-06, 6E-06)***	**1E-05**	***(8E-06, 2E-05)***	**2E-04**	***(1E-04, 3E-04)***	**8E-06**	***(5E-06, 1E-05)***	**5E-04**	***(3E-04, 8E-04)***
MACT Floor Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	1E-04	*(4E-05, 2E-04)*	2E-06	*(7E-07, 4E-06)*	8E-06	*(5E-06, 1E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(1E-06, 4E-06)*	**2E-04**	*(1E-04, 4E-04)*
Home Gardener	3E-05	*(1E-05, 5E-05)*	6E-05	*(3E-05, 2E-04)*	1E-06	*(4E-07, 2E-06)*	5E-06	*(3E-06, 8E-06)*	6E-05	*(3E-05, 1E-04)*	2E-06	*(9E-07, 3E-06)*	**2E-04**	*(9E-05, 3E-04)*
Beef Farmer	4E-06	*(2E-06, 1E-05)*	4E-08	*(2E-08, 7E-08)*	7E-10	*(4E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	3E-09	*(2E-09, 6E-09)*	**4E-06**	*(2E-06, 1E-05)*
Dairy Farmer	3E-06	*(1E-06, 8E-06)*	5E-09	*(2E-09, 9E-09)*	2E-10	*(2E-10, 2E-10)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(7E-09, 4E-08)*	6E-10	*(3E-10, 1E-09)*	**3E-06**	*(1E-06, 8E-06)*
Produce Farmer	1E-08	*(6E-09, 3E-08)*	3E-09	*(2E-09, 8E-09)*	8E-11	*(8E-11, 8E-11)*	6E-10	*(3E-10, 1E-09)*	5E-09	*(3E-09, 9E-09)*	6E-10	*(3E-10, 1E-09)*	**2E-08**	*(1E-08, 4E-08)*
Pork Farmer	1E-07	*(6E-08, 2E-07)*	1E-08	*(6E-09, 2E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	5E-10	*(5E-10, 5E-10)*	**1E-07**	*(8E-08, 2E-07)*
Total	**6E-05**	***(4E-05, 1E-04)***	**2E-04**	***(7E-05, 4E-04)***	**3E-06**	***(1E-06, 6E-06)***	**1E-05**	***(8E-06, 2E-05)***	**2E-04**	***(9E-05, 3E-04)***	**4E-06**	***(2E-06, 7E-06)***	**4E-04**	***(2E-04, 7E-04)***
MACT BTF Emissions														
Resident	6E-06	*(3E-06, 1E-05)*	1E-04	*(4E-05, 2E-04)*	2E-06	*(7E-07, 4E-06)*	8E-06	*(5E-06, 1E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(1E-06, 4E-06)*	**2E-04**	*(1E-04, 4E-04)*
Home Gardener	5E-06	*(3E-06, 9E-06)*	6E-05	*(3E-05, 2E-04)*	1E-06	*(4E-07, 2E-06)*	5E-06	*(3E-06, 8E-06)*	6E-05	*(3E-05, 1E-04)*	2E-06	*(9E-07, 3E-06)*	**1E-04**	*(7E-05, 2E-04)*
Beef Farmer	3E-07	*(2E-07, 5E-07)*	4E-08	*(2E-08, 7E-08)*	7E-10	*(4E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	3E-09	*(2E-09, 6E-09)*	**5E-07**	*(3E-07, 7E-07)*
Dairy Farmer	1E-07	*(9E-08, 2E-07)*	5E-09	*(2E-09, 9E-09)*	2E-10	*(2E-10, 2E-10)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(7E-09, 4E-08)*	6E-10	*(3E-10, 1E-09)*	**2E-07**	*(1E-07, 3E-07)*
Produce Farmer	6E-10	*(3E-10, 1E-09)*	3E-09	*(2E-09, 8E-09)*	8E-11	*(8E-11, 8E-11)*	6E-10	*(3E-10, 1E-09)*	5E-09	*(3E-09, 9E-09)*	6E-10	*(3E-10, 1E-09)*	**1E-08**	*(6E-09, 2E-08)*
Pork Farmer	2E-08	*(8E-09, 3E-08)*	1E-08	*(6E-09, 2E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	5E-10	*(5E-10, 5E-10)*	**5E-08**	*(3E-08, 8E-08)*
Total	**1E-05**	***(7E-06, 2E-05)***	**2E-04**	***(7E-05, 4E-04)***	**3E-06**	***(1E-06, 6E-06)***	**1E-05**	***(8E-06, 2E-05)***	**2E-04**	***(9E-05, 3E-04)***	**4E-06**	***(2E-06, 7E-06)***	**3E-04**	***(2E-04, 6E-04)***
MACT Standard Emissions														
Resident	8E-06	*(4E-06, 1E-05)*	1E-04	*(4E-05, 2E-04)*	2E-06	*(7E-07, 4E-06)*	8E-06	*(5E-06, 1E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(1E-06, 4E-06)*	**2E-04**	*(1E-04, 4E-04)*
Home Gardener	7E-06	*(4E-06, 1E-05)*	6E-05	*(3E-05, 2E-04)*	1E-06	*(4E-07, 2E-06)*	5E-06	*(3E-06, 8E-06)*	6E-05	*(3E-05, 1E-04)*	2E-06	*(9E-07, 3E-06)*	**1E-04**	*(7E-05, 2E-04)*
Beef Farmer	4E-07	*(3E-07, 7E-07)*	4E-08	*(2E-08, 7E-08)*	7E-10	*(4E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	3E-09	*(2E-09, 6E-09)*	**6E-07**	*(4E-07, 9E-07)*
Dairy Farmer	2E-07	*(1E-07, 4E-07)*	5E-09	*(2E-09, 9E-09)*	2E-10	*(2E-10, 2E-10)*	7E-10	*(7E-10, 7E-10)*	2E-08	*(7E-09, 4E-08)*	6E-10	*(3E-10, 1E-09)*	**3E-07**	*(2E-07, 5E-07)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	3E-09	*(2E-09, 8E-09)*	8E-11	*(8E-11, 8E-11)*	6E-10	*(3E-10, 1E-09)*	5E-09	*(3E-09, 9E-09)*	6E-10	*(3E-10, 1E-09)*	**1E-08**	*(6E-09, 2E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-08	*(6E-09, 2E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	5E-10	*(5E-10, 5E-10)*	**5E-08**	*(4E-08, 8E-08)*
Total	**1E-05**	***(9E-06, 3E-05)***	**2E-04**	***(7E-05, 4E-04)***	**3E-06**	***(1E-06, 6E-06)***	**1E-05**	***(8E-06, 2E-05)***	**2E-04**	***(9E-05, 3E-04)***	**4E-06**	***(2E-06, 7E-06)***	**4E-04**	***(2E-04, 6E-04)***

Table II-D45. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-04	*(8E-05, 3E-04)*	1E-03	*(4E-04, 2E-03)*	8E-06	*(4E-06, 2E-05)*	4E-05	*(3E-05, 7E-05)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**2E-03**	*(1E-03, 3E-03)*
Home Gardener	1E-04	*(8E-05, 2E-04)*	6E-04	*(3E-04, 2E-03)*	5E-06	*(2E-06, 1E-05)*	3E-05	*(2E-05, 5E-05)*	4E-04	*(2E-04, 6E-04)*	2E-05	*(1E-05, 3E-05)*	**1E-03**	*(7E-04, 2E-03)*
Beef Farmer	4E-05	*(2E-05, 1E-04)*	4E-07	*(3E-07, 8E-07)*	6E-09	*(3E-09, 1E-08)*	4E-08	*(2E-08, 6E-08)*	9E-07	*(4E-07, 2E-06)*	3E-08	*(1E-08, 4E-08)*	**4E-05**	*(2E-05, 1E-04)*
Dairy Farmer	1E-05	*(6E-06, 4E-05)*	7E-08	*(3E-08, 2E-07)*	1E-09	*(6E-10, 3E-09)*	4E-09	*(3E-09, 7E-09)*	2E-07	*(6E-08, 4E-07)*	4E-09	*(2E-09, 8E-09)*	**1E-05**	*(6E-06, 4E-05)*
Produce Farmer	9E-08	*(4E-08, 2E-07)*	4E-08	*(2E-08, 1E-07)*	7E-10	*(3E-10, 1E-09)*	3E-09	*(2E-09, 7E-09)*	4E-08	*(2E-08, 9E-08)*	4E-09	*(2E-09, 7E-09)*	**2E-07**	*(1E-07, 3E-07)*
Pork Farmer	8E-07	*(4E-07, 2E-06)*	1E-07	*(6E-08, 2E-07)*	2E-09	*(9E-10, 3E-09)*	2E-08	*(8E-09, 3E-08)*	2E-07	*(8E-08, 3E-07)*	5E-09	*(3E-09, 6E-09)*	**1E-06**	*(6E-07, 2E-06)*
Total	**3E-04**	***(2E-04, 6E-04)***	**2E-03**	***(7E-04, 4E-03)***	**1E-05**	***(6E-06, 3E-05)***	**7E-05**	***(4E-05, 1E-04)***	**9E-04**	***(6E-04, 2E-03)***	**5E-05**	***(3E-05, 8E-05)***	**3E-03**	***(2E-03, 6E-03)***
MACT Floor Emissions														
Resident	1E-04	*(8E-05, 3E-04)*	8E-04	*(3E-04, 2E-03)*	7E-06	*(3E-06, 2E-05)*	4E-05	*(2E-05, 7E-05)*	5E-04	*(3E-04, 8E-04)*	1E-05	*(8E-06, 3E-05)*	**2E-03**	*(7E-04, 3E-03)*
Home Gardener	1E-04	*(8E-05, 2E-04)*	5E-04	*(2E-04, 1E-03)*	4E-06	*(2E-06, 1E-05)*	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 5E-04)*	9E-06	*(5E-06, 2E-05)*	**1E-03**	*(5E-04, 2E-03)*
Beef Farmer	4E-05	*(2E-05, 1E-04)*	3E-07	*(2E-07, 5E-07)*	4E-09	*(2E-09, 7E-09)*	4E-08	*(2E-08, 6E-08)*	6E-07	*(3E-07, 1E-06)*	2E-08	*(8E-09, 3E-08)*	**4E-05**	*(2E-05, 1E-04)*
Dairy Farmer	1E-05	*(6E-06, 4E-05)*	3E-08	*(2E-08, 6E-08)*	9E-10	*(4E-10, 2E-09)*	4E-09	*(3E-09, 7E-09)*	9E-08	*(4E-08, 2E-07)*	3E-09	*(2E-09, 7E-09)*	**1E-05**	*(6E-06, 4E-05)*
Produce Farmer	9E-08	*(4E-08, 2E-07)*	2E-08	*(1E-08, 5E-08)*	5E-10	*(2E-10, 1E-09)*	3E-09	*(2E-09, 7E-09)*	3E-08	*(2E-08, 6E-08)*	3E-09	*(2E-09, 7E-09)*	**2E-07**	*(8E-08, 3E-07)*
Pork Farmer	8E-07	*(4E-07, 2E-06)*	7E-08	*(4E-08, 1E-07)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	1E-07	*(7E-08, 2E-07)*	3E-09	*(2E-09, 4E-09)*	**1E-06**	*(6E-07, 2E-06)*
Total	**3E-04**	***(2E-04, 6E-04)***	**1E-03**	***(5E-04, 4E-03)***	**1E-05**	***(5E-06, 3E-05)***	**7E-05**	***(4E-05, 1E-04)***	**8E-04**	***(4E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**3E-03**	***(1E-03, 5E-03)***
MACT BTF Emissions														
Resident	3E-05	*(2E-05, 6E-05)*	8E-04	*(3E-04, 2E-03)*	7E-06	*(3E-06, 2E-05)*	4E-05	*(2E-05, 7E-05)*	5E-04	*(3E-04, 8E-04)*	1E-05	*(8E-06, 3E-05)*	**1E-03**	*(6E-04, 3E-03)*
Home Gardener	3E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 1E-03)*	4E-06	*(2E-06, 1E-05)*	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 5E-04)*	9E-06	*(5E-06, 2E-05)*	**9E-04**	*(4E-04, 2E-03)*
Beef Farmer	3E-06	*(2E-06, 5E-06)*	3E-07	*(2E-07, 5E-07)*	4E-09	*(2E-09, 7E-09)*	4E-08	*(2E-08, 6E-08)*	6E-07	*(3E-07, 1E-06)*	2E-08	*(8E-09, 3E-08)*	**4E-06**	*(3E-06, 6E-06)*
Dairy Farmer	6E-07	*(4E-07, 1E-06)*	3E-08	*(2E-08, 6E-08)*	9E-10	*(4E-10, 2E-09)*	4E-09	*(3E-09, 7E-09)*	9E-08	*(4E-08, 2E-07)*	3E-09	*(2E-09, 7E-09)*	**7E-07**	*(4E-07, 1E-06)*
Produce Farmer	4E-09	*(2E-09, 8E-09)*	2E-08	*(1E-08, 5E-08)*	5E-10	*(2E-10, 1E-09)*	3E-09	*(2E-09, 7E-09)*	3E-08	*(2E-08, 6E-08)*	3E-09	*(2E-09, 7E-09)*	**6E-08**	*(4E-08, 1E-07)*
Pork Farmer	1E-07	*(6E-08, 2E-07)*	7E-08	*(4E-08, 1E-07)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	1E-07	*(7E-08, 2E-07)*	3E-09	*(2E-09, 4E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**6E-05**	***(3E-05, 1E-04)***	**1E-03**	***(5E-04, 4E-03)***	**1E-05**	***(5E-06, 3E-05)***	**7E-05**	***(4E-05, 1E-04)***	**8E-04**	***(4E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**2E-03**	***(1E-03, 5E-03)***
MACT Standard Emissions														
Resident	4E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	7E-06	*(3E-06, 2E-05)*	4E-05	*(2E-05, 7E-05)*	5E-04	*(3E-04, 8E-04)*	1E-05	*(8E-06, 3E-05)*	**1E-03**	*(6E-04, 3E-03)*
Home Gardener	3E-05	*(2E-05, 6E-05)*	5E-04	*(2E-04, 1E-03)*	4E-06	*(2E-06, 1E-05)*	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 5E-04)*	9E-06	*(5E-06, 2E-05)*	**9E-04**	*(4E-04, 2E-03)*
Beef Farmer	4E-06	*(3E-06, 7E-06)*	3E-07	*(2E-07, 5E-07)*	4E-09	*(2E-09, 7E-09)*	4E-08	*(2E-08, 6E-08)*	6E-07	*(3E-07, 1E-06)*	2E-08	*(8E-09, 3E-08)*	**5E-06**	*(3E-06, 8E-06)*
Dairy Farmer	1E-06	*(6E-07, 2E-06)*	3E-08	*(2E-08, 6E-08)*	9E-10	*(4E-10, 2E-09)*	4E-09	*(3E-09, 7E-09)*	9E-08	*(4E-08, 2E-07)*	3E-09	*(2E-09, 7E-09)*	**1E-06**	*(6E-07, 2E-06)*
Produce Farmer	7E-09	*(4E-09, 1E-08)*	2E-08	*(1E-08, 5E-08)*	5E-10	*(2E-10, 1E-09)*	3E-09	*(2E-09, 7E-09)*	3E-08	*(2E-08, 6E-08)*	3E-09	*(2E-09, 7E-09)*	**7E-08**	*(4E-08, 1E-07)*
Pork Farmer	1E-07	*(8E-08, 2E-07)*	7E-08	*(4E-08, 1E-07)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	1E-07	*(7E-08, 2E-07)*	3E-09	*(2E-09, 4E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**8E-05**	***(5E-05, 1E-04)***	**1E-03**	***(5E-04, 4E-03)***	**1E-05**	***(5E-06, 3E-05)***	**7E-05**	***(4E-05, 1E-04)***	**8E-04**	***(4E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**2E-03**	***(1E-03, 5E-03)***

Table II-D46. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Waste Heat Boilers

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-04	*(2E-04, 5E-04)*	6E-05	*(3E-05, 1E-04)*	2E-06	*(6E-07, 5E-06)*	9E-05	*(7E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	3E-06	*(2E-06, 6E-06)*	**6E-04**	*(4E-04, 8E-04)*
Home Gardener	2E-04	*(1E-04, 3E-04)*	4E-05	*(2E-05, 7E-05)*	1E-06	*(4E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**4E-04**	*(3E-04, 6E-04)*
Beef Farmer	2E-05	*(9E-06, 3E-05)*	2E-06	*(7E-07, 5E-06)*	8E-09	*(3E-09, 2E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 7E-07)*	1E-08	*(7E-09, 2E-08)*	**2E-05**	*(1E-05, 3E-05)*
Dairy Farmer	2E-05	*(2E-05, 4E-05)*	2E-07	*(7E-08, 5E-07)*	1E-09	*(5E-10, 2E-09)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(2E-07, 2E-07)*	2E-09	*(1E-09, 3E-09)*	**3E-05**	*(2E-05, 4E-05)*
Produce Farmer	5E-08	*(3E-08, 8E-08)*	7E-09	*(3E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	1E-08	*(7E-09, 2E-08)*	5E-10	*(2E-10, 1E-09)*	**7E-08**	*(4E-08, 1E-07)*
Pork Farmer	5E-07	*(3E-07, 7E-07)*	2E-07	*(7E-08, 5E-07)*	1E-09	*(5E-10, 2E-09)*	7E-08	*(6E-08, 7E-08)*	1E-07	*(1E-07, 2E-07)*	2E-09	*(1E-09, 2E-09)*	**8E-07**	*(5E-07, 1E-06)*
Total	**5E-04**	***(3E-04, 8E-04)***	**1E-04**	***(6E-05, 2E-04)***	**3E-06**	***(1E-06, 9E-06)***	**2E-04**	***(1E-04, 2E-04)***	**3E-04**	***(2E-04, 4E-04)***	**6E-06**	***(3E-06, 1E-05)***	**1E-03**	***(8E-04, 1E-03)***
MACT Floor Emissions														
Resident	3E-04	*(2E-04, 5E-04)*	4E-05	*(2E-05, 6E-05)*	2E-06	*(5E-07, 5E-06)*	3E-05	*(1E-05, 7E-05)*	9E-05	*(5E-05, 1E-04)*	3E-06	*(1E-06, 6E-06)*	**4E-04**	*(3E-04, 7E-04)*
Home Gardener	2E-04	*(1E-04, 3E-04)*	2E-05	*(1E-05, 4E-05)*	1E-06	*(3E-07, 3E-06)*	2E-05	*(6E-06, 4E-05)*	5E-05	*(3E-05, 9E-05)*	2E-06	*(8E-07, 3E-06)*	**3E-04**	*(2E-04, 5E-04)*
Beef Farmer	2E-05	*(9E-06, 3E-05)*	2E-06	*(6E-07, 5E-06)*	7E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 7E-08)*	2E-07	*(1E-07, 4E-07)*	5E-09	*(3E-09, 9E-09)*	**2E-05**	*(9E-06, 3E-05)*
Dairy Farmer	2E-05	*(2E-05, 4E-05)*	2E-07	*(6E-08, 4E-07)*	8E-10	*(3E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*	5E-08	*(4E-08, 7E-08)*	9E-10	*(5E-10, 2E-09)*	**2E-05**	*(2E-05, 4E-05)*
Produce Farmer	5E-08	*(3E-08, 8E-08)*	6E-09	*(2E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	4E-10	*(4E-10, 4E-10)*	7E-09	*(4E-09, 1E-08)*	5E-10	*(2E-10, 1E-09)*	**6E-08**	*(4E-08, 1E-07)*
Pork Farmer	5E-07	*(3E-07, 7E-07)*	2E-07	*(6E-08, 4E-07)*	8E-10	*(4E-10, 2E-09)*	4E-09	*(3E-09, 7E-09)*	4E-08	*(3E-08, 6E-08)*	7E-10	*(7E-10, 7E-10)*	**7E-07**	*(4E-07, 1E-06)*
Total	**5E-04**	***(3E-04, 8E-04)***	**6E-05**	***(3E-05, 1E-04)***	**3E-06**	***(9E-07, 9E-06)***	**4E-05**	***(2E-05, 1E-04)***	**1E-04**	***(8E-05, 2E-04)***	**4E-06**	***(2E-06, 9E-06)***	**8E-04**	***(5E-04, 1E-03)***
MACT BTF Emissions														
Resident	2E-05	*(1E-05, 3E-05)*	2E-05	*(1E-05, 4E-05)*	2E-06	*(5E-07, 5E-06)*	3E-05	*(1E-05, 7E-05)*	8E-05	*(5E-05, 1E-04)*	3E-06	*(1E-06, 6E-06)*	**2E-04**	*(9E-05, 2E-04)*
Home Gardener	1E-05	*(8E-06, 2E-05)*	1E-05	*(7E-06, 2E-05)*	1E-06	*(3E-07, 3E-06)*	2E-05	*(6E-06, 4E-05)*	5E-05	*(3E-05, 9E-05)*	2E-06	*(8E-07, 3E-06)*	**1E-04**	*(6E-05, 2E-04)*
Beef Farmer	8E-07	*(4E-07, 1E-06)*	2E-07	*(8E-08, 6E-07)*	1E-09	*(8E-10, 3E-09)*	2E-08	*(1E-08, 5E-08)*	1E-07	*(9E-08, 3E-07)*	5E-09	*(3E-09, 9E-09)*	**1E-06**	*(7E-07, 2E-06)*
Dairy Farmer	9E-07	*(6E-07, 2E-06)*	2E-08	*(8E-09, 5E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(3E-09, 4E-09)*	5E-08	*(3E-08, 6E-08)*	9E-10	*(5E-10, 2E-09)*	**1E-06**	*(6E-07, 2E-06)*
Produce Farmer	2E-09	*(1E-09, 3E-09)*	1E-09	*(6E-10, 2E-09)*	1E-10	*(1E-10, 1E-10)*	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	5E-10	*(2E-10, 1E-09)*	**1E-08**	*(6E-09, 2E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	2E-08	*(9E-09, 5E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	3E-08	*(2E-08, 4E-08)*	7E-10	*(7E-10, 7E-10)*	**8E-08**	*(5E-08, 1E-07)*
Total	**3E-05**	***(2E-05, 5E-05)***	**3E-05**	***(2E-05, 6E-05)***	**3E-06**	***(8E-07, 9E-06)***	**4E-05**	***(2E-05, 1E-04)***	**1E-04**	***(8E-05, 2E-04)***	**4E-06**	***(2E-06, 9E-06)***	**3E-04**	***(2E-04, 4E-04)***
MACT Standard Emissions														
Resident	3E-05	*(2E-05, 5E-05)*	2E-05	*(1E-05, 4E-05)*	2E-06	*(5E-07, 5E-06)*	3E-05	*(1E-05, 7E-05)*	8E-05	*(5E-05, 1E-04)*	3E-06	*(1E-06, 6E-06)*	**2E-04**	*(1E-04, 3E-04)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	1E-05	*(7E-06, 2E-05)*	1E-06	*(3E-07, 3E-06)*	2E-05	*(6E-06, 4E-05)*	5E-05	*(3E-05, 9E-05)*	2E-06	*(8E-07, 3E-06)*	**1E-04**	*(7E-05, 2E-04)*
Beef Farmer	1E-06	*(8E-07, 3E-06)*	2E-07	*(8E-08, 6E-07)*	1E-09	*(8E-10, 3E-09)*	2E-08	*(1E-08, 5E-08)*	1E-07	*(9E-08, 3E-07)*	5E-09	*(3E-09, 9E-09)*	**2E-06**	*(1E-06, 3E-06)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	2E-08	*(8E-09, 5E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(3E-09, 4E-09)*	5E-08	*(3E-08, 6E-08)*	9E-10	*(5E-10, 2E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	4E-09	*(2E-09, 7E-09)*	1E-09	*(6E-10, 2E-09)*	1E-10	*(1E-10, 1E-10)*	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	5E-10	*(2E-10, 1E-09)*	**1E-08**	*(7E-09, 2E-08)*
Pork Farmer	4E-08	*(2E-08, 6E-08)*	2E-08	*(9E-09, 5E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	3E-08	*(2E-08, 4E-08)*	7E-10	*(7E-10, 7E-10)*	**1E-07**	*(6E-08, 1E-07)*
Total	**6E-05**	***(4E-05, 9E-05)***	**3E-05**	***(2E-05, 6E-05)***	**3E-06**	***(8E-07, 9E-06)***	**4E-05**	***(2E-05, 1E-04)***	**1E-04**	***(8E-05, 2E-04)***	**4E-06**	***(2E-06, 9E-06)***	**3E-04**	***(2E-04, 4E-04)***

Table II-D47. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Waste Heat Boilers

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-04	*(6E-05, 2E-04)*	5E-05	*(3E-05, 8E-05)*	1E-06	*(5E-07, 4E-06)*	7E-05	*(5E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-06	*(1E-06, 5E-06)*	**4E-04**	*(3E-04, 5E-04)*
Home Gardener	1E-04	*(6E-05, 2E-04)*	3E-05	*(2E-05, 5E-05)*	8E-07	*(3E-07, 2E-06)*	4E-05	*(3E-05, 6E-05)*	8E-05	*(6E-05, 1E-04)*	2E-06	*(9E-07, 3E-06)*	**3E-04**	*(2E-04, 3E-04)*
Beef Farmer	2E-05	*(1E-05, 4E-05)*	2E-06	*(7E-07, 5E-06)*	9E-09	*(3E-09, 2E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 7E-07)*	1E-08	*(7E-09, 2E-08)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	1E-05	*(9E-06, 2E-05)*	2E-07	*(7E-08, 5E-07)*	1E-09	*(4E-10, 2E-09)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(2E-07, 2E-07)*	2E-09	*(1E-09, 3E-09)*	**2E-05**	*(9E-06, 2E-05)*
Produce Farmer	3E-08	*(2E-08, 6E-08)*	7E-09	*(3E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	1E-08	*(7E-09, 2E-08)*	5E-10	*(2E-10, 1E-09)*	**5E-08**	*(3E-08, 8E-08)*
Pork Farmer	3E-07	*(2E-07, 5E-07)*	2E-07	*(7E-08, 5E-07)*	1E-09	*(5E-10, 2E-09)*	6E-08	*(6E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*	2E-09	*(1E-09, 2E-09)*	**7E-07**	*(4E-07, 1E-06)*
Total	**2E-04**	***(2E-04, 4E-04)***	**8E-05**	***(4E-05, 1E-04)***	**2E-06**	***(7E-07, 6E-06)***	**1E-04**	***(9E-05, 2E-04)***	**2E-04**	***(2E-04, 3E-04)***	**4E-06**	***(2E-06, 8E-06)***	**6E-04**	***(5E-04, 9E-04)***
MACT Floor Emissions														
Resident	1E-04	*(6E-05, 2E-04)*	3E-05	*(2E-05, 5E-05)*	1E-06	*(4E-07, 4E-06)*	2E-05	*(8E-06, 6E-05)*	6E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**2E-04**	*(2E-04, 3E-04)*
Home Gardener	1E-04	*(6E-05, 2E-04)*	2E-05	*(1E-05, 3E-05)*	8E-07	*(3E-07, 2E-06)*	1E-05	*(5E-06, 3E-05)*	4E-05	*(2E-05, 7E-05)*	1E-06	*(6E-07, 3E-06)*	**2E-04**	*(1E-04, 3E-04)*
Beef Farmer	2E-05	*(1E-05, 4E-05)*	2E-06	*(6E-07, 5E-06)*	7E-09	*(3E-09, 2E-08)*	4E-08	*(2E-08, 7E-08)*	2E-07	*(1E-07, 4E-07)*	6E-09	*(3E-09, 1E-08)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	1E-05	*(9E-06, 2E-05)*	2E-07	*(6E-08, 4E-07)*	8E-10	*(3E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*	5E-08	*(4E-08, 7E-08)*	8E-10	*(5E-10, 2E-09)*	**1E-05**	*(9E-06, 2E-05)*
Produce Farmer	3E-08	*(2E-08, 6E-08)*	6E-09	*(2E-09, 1E-08)*	1E-10	*(1E-10, 1E-10)*	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	4E-10	*(2E-10, 1E-09)*	**4E-08**	*(3E-08, 8E-08)*
Pork Farmer	3E-07	*(2E-07, 5E-07)*	2E-07	*(6E-08, 4E-07)*	8E-10	*(4E-10, 2E-09)*	4E-09	*(3E-09, 7E-09)*	4E-08	*(3E-08, 6E-08)*	7E-10	*(7E-10, 7E-10)*	**5E-07**	*(3E-07, 9E-07)*
Total	**2E-04**	***(2E-04, 4E-04)***	**5E-05**	***(3E-05, 9E-05)***	**2E-06**	***(7E-07, 6E-06)***	**3E-05**	***(1E-05, 9E-05)***	**1E-04**	***(6E-05, 2E-04)***	**3E-06**	***(2E-06, 7E-06)***	**4E-04**	***(3E-04, 6E-04)***
MACT BTF Emissions														
Resident	7E-06	*(4E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	1E-06	*(4E-07, 4E-06)*	2E-05	*(7E-06, 6E-05)*	6E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**1E-04**	*(7E-05, 2E-04)*
Home Gardener	7E-06	*(4E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	7E-07	*(2E-07, 2E-06)*	1E-05	*(5E-06, 3E-05)*	4E-05	*(2E-05, 7E-05)*	1E-06	*(6E-07, 3E-06)*	**7E-05**	*(4E-05, 1E-04)*
Beef Farmer	1E-06	*(6E-07, 2E-06)*	2E-07	*(8E-08, 6E-07)*	1E-09	*(8E-10, 3E-09)*	3E-08	*(1E-08, 6E-08)*	1E-07	*(8E-08, 3E-07)*	6E-09	*(3E-09, 1E-08)*	**1E-06**	*(8E-07, 3E-06)*
Dairy Farmer	5E-07	*(3E-07, 9E-07)*	2E-08	*(8E-09, 5E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(3E-09, 4E-09)*	4E-08	*(3E-08, 6E-08)*	8E-10	*(5E-10, 2E-09)*	**6E-07**	*(4E-07, 1E-06)*
Produce Farmer	1E-09	*(6E-10, 2E-09)*	1E-09	*(5E-10, 2E-09)*	9E-11	*(9E-11, 9E-11)*	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	4E-10	*(2E-10, 1E-09)*	**9E-09**	*(5E-09, 2E-08)*
Pork Farmer	1E-08	*(8E-09, 2E-08)*	2E-08	*(9E-09, 5E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	7E-10	*(7E-10, 7E-10)*	**7E-08**	*(5E-08, 1E-07)*
Total	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	***(1E-05, 5E-05)***	**2E-06**	***(6E-07, 6E-06)***	**3E-05**	***(1E-05, 9E-05)***	**1E-04**	***(6E-05, 2E-04)***	**3E-06**	***(2E-06, 7E-06)***	**2E-04**	***(1E-04, 3E-04)***
MACT Standard Emissions														
Resident	1E-05	*(8E-06, 2E-05)*	2E-05	*(8E-06, 3E-05)*	1E-06	*(4E-07, 4E-06)*	2E-05	*(7E-06, 6E-05)*	6E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**1E-04**	*(7E-05, 2E-04)*
Home Gardener	1E-05	*(7E-06, 2E-05)*	1E-05	*(5E-06, 2E-05)*	7E-07	*(2E-07, 2E-06)*	1E-05	*(5E-06, 3E-05)*	4E-05	*(2E-05, 7E-05)*	1E-06	*(6E-07, 3E-06)*	**8E-05**	*(5E-05, 1E-04)*
Beef Farmer	2E-06	*(1E-06, 4E-06)*	2E-07	*(8E-08, 6E-07)*	1E-09	*(8E-10, 3E-09)*	3E-08	*(1E-08, 6E-08)*	1E-07	*(8E-08, 3E-07)*	6E-09	*(3E-09, 1E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	1E-06	*(7E-07, 2E-06)*	2E-08	*(8E-09, 5E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(3E-09, 4E-09)*	4E-08	*(3E-08, 6E-08)*	8E-10	*(5E-10, 2E-09)*	**1E-06**	*(7E-07, 2E-06)*
Produce Farmer	2E-09	*(1E-09, 4E-09)*	1E-09	*(5E-10, 2E-09)*	9E-11	*(9E-11, 9E-11)*	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	4E-10	*(2E-10, 1E-09)*	**1E-08**	*(6E-09, 2E-08)*
Pork Farmer	3E-08	*(2E-08, 4E-08)*	2E-08	*(9E-09, 5E-08)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(2E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	7E-10	*(7E-10, 7E-10)*	**8E-08**	*(5E-08, 1E-07)*
Total	**3E-05**	***(2E-05, 4E-05)***	**3E-05**	***(1E-05, 5E-05)***	**2E-06**	***(6E-07, 6E-06)***	**3E-05**	***(1E-05, 9E-05)***	**1E-04**	***(6E-05, 2E-04)***	**3E-06**	***(2E-06, 7E-06)***	**2E-04**	***(1E-04, 3E-04)***

Table II-D48. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Waste Heat Boilers

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	8E-05	*(5E-05, 1E-04)*	4E-05	*(2E-05, 7E-05)*	1E-06	*(4E-07, 3E-06)*	5E-05	*(4E-05, 7E-05)*	9E-05	*(7E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**3E-04**	*(2E-04, 4E-04)*
Home Gardener	8E-05	*(5E-05, 1E-04)*	2E-05	*(1E-05, 4E-05)*	7E-07	*(2E-07, 2E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(4E-05, 8E-05)*	1E-06	*(7E-07, 2E-06)*	**2E-04**	*(1E-04, 3E-04)*
Beef Farmer	1E-05	*(6E-06, 2E-05)*	1E-06	*(4E-07, 3E-06)*	5E-09	*(2E-09, 1E-08)*	1E-07	*(9E-08, 1E-07)*	3E-07	*(2E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**1E-05**	*(7E-06, 2E-05)*
Dairy Farmer	8E-06	*(5E-06, 1E-05)*	1E-07	*(4E-08, 3E-07)*	6E-10	*(3E-10, 1E-09)*	8E-08	*(7E-08, 8E-08)*	1E-07	*(1E-07, 2E-07)*	1E-09	*(9E-10, 2E-09)*	**8E-06**	*(5E-06, 1E-05)*
Produce Farmer	2E-08	*(1E-08, 4E-08)*	5E-09	*(2E-09, 1E-08)*	1E-10	*(1E-10, 1E-10)*	2E-09	*(2E-09, 2E-09)*	9E-09	*(5E-09, 2E-08)*	4E-10	*(4E-10, 4E-10)*	**4E-08**	*(2E-08, 6E-08)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	1E-07	*(4E-08, 3E-07)*	6E-10	*(3E-10, 1E-09)*	5E-08	*(4E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	1E-09	*(8E-10, 2E-09)*	**5E-07**	*(3E-07, 7E-07)*
Total	**2E-04**	***(1E-04, 3E-04)***	**6E-05**	***(3E-05, 1E-04)***	**2E-06**	***(6E-07, 5E-06)***	**8E-05**	***(6E-05, 1E-04)***	**2E-04**	***(1E-04, 2E-04)***	**3E-06**	***(2E-06, 6E-06)***	**5E-04**	***(4E-04, 6E-04)***
MACT Floor Emissions														
Resident	8E-05	*(5E-05, 1E-04)*	2E-05	*(1E-05, 4E-05)*	1E-06	*(3E-07, 3E-06)*	2E-05	*(6E-06, 4E-05)*	5E-05	*(3E-05, 9E-05)*	2E-06	*(8E-07, 3E-06)*	**2E-04**	*(1E-04, 3E-04)*
Home Gardener	8E-05	*(5E-05, 1E-04)*	1E-05	*(8E-06, 3E-05)*	7E-07	*(2E-07, 2E-06)*	9E-06	*(3E-06, 2E-05)*	3E-05	*(2E-05, 6E-05)*	1E-06	*(5E-07, 2E-06)*	**1E-04**	*(9E-05, 2E-04)*
Beef Farmer	1E-05	*(6E-06, 2E-05)*	1E-06	*(4E-07, 3E-06)*	4E-09	*(2E-09, 1E-08)*	3E-08	*(1E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	4E-09	*(2E-09, 7E-09)*	**1E-05**	*(7E-06, 2E-05)*
Dairy Farmer	8E-06	*(5E-06, 1E-05)*	9E-08	*(3E-08, 2E-07)*	5E-10	*(2E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*	4E-08	*(3E-08, 5E-08)*	7E-10	*(4E-10, 1E-09)*	**8E-06**	*(5E-06, 1E-05)*
Produce Farmer	2E-08	*(1E-08, 4E-08)*	4E-09	*(2E-09, 1E-08)*	9E-11	*(9E-11, 9E-11)*	3E-10	*(3E-10, 3E-10)*	5E-09	*(3E-09, 9E-09)*	3E-10	*(3E-10, 3E-10)*	**3E-08**	*(2E-08, 5E-08)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	9E-08	*(3E-08, 2E-07)*	5E-10	*(2E-10, 1E-09)*	3E-09	*(2E-09, 5E-09)*	3E-08	*(2E-08, 4E-08)*	5E-10	*(5E-10, 5E-10)*	**3E-07**	*(2E-07, 6E-07)*
Total	**2E-04**	***(1E-04, 3E-04)***	**4E-05**	***(2E-05, 7E-05)***	**2E-06**	***(6E-07, 5E-06)***	**2E-05**	***(9E-06, 6E-05)***	**8E-05**	***(5E-05, 1E-04)***	**3E-06**	***(1E-06, 5E-06)***	**3E-04**	***(2E-04, 5E-04)***
MACT BTF Emissions														
Resident	6E-06	*(3E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	1E-06	*(3E-07, 3E-06)*	1E-05	*(6E-06, 4E-05)*	5E-05	*(3E-05, 9E-05)*	2E-06	*(8E-07, 3E-06)*	**9E-05**	*(5E-05, 1E-04)*
Home Gardener	5E-06	*(3E-06, 9E-06)*	8E-06	*(4E-06, 1E-05)*	6E-07	*(2E-07, 2E-06)*	9E-06	*(3E-06, 2E-05)*	3E-05	*(2E-05, 6E-05)*	1E-06	*(5E-07, 2E-06)*	**6E-05**	*(3E-05, 9E-05)*
Beef Farmer	5E-07	*(3E-07, 8E-07)*	1E-07	*(5E-08, 3E-07)*	1E-09	*(5E-10, 2E-09)*	2E-08	*(9E-09, 4E-08)*	1E-07	*(6E-08, 2E-07)*	4E-09	*(2E-09, 7E-09)*	**8E-07**	*(4E-07, 1E-06)*
Dairy Farmer	3E-07	*(2E-07, 4E-07)*	1E-08	*(5E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	2E-09	*(2E-09, 3E-09)*	3E-08	*(2E-08, 5E-08)*	7E-10	*(4E-10, 1E-09)*	**3E-07**	*(2E-07, 5E-07)*
Produce Farmer	8E-10	*(5E-10, 2E-09)*	8E-10	*(4E-10, 2E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	5E-09	*(2E-09, 9E-09)*	3E-10	*(3E-10, 3E-10)*	**7E-09**	*(4E-09, 1E-08)*
Pork Farmer	1E-08	*(6E-09, 1E-08)*	1E-08	*(5E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	2E-09	*(1E-09, 4E-09)*	2E-08	*(2E-08, 3E-08)*	5E-10	*(5E-10, 5E-10)*	**5E-08**	*(3E-08, 7E-08)*
Total	**1E-05**	***(7E-06, 2E-05)***	**2E-05**	***(1E-05, 4E-05)***	**2E-06**	***(5E-07, 5E-06)***	**2E-05**	***(9E-06, 6E-05)***	**8E-05**	***(5E-05, 1E-04)***	**3E-06**	***(1E-06, 5E-06)***	**1E-04**	***(9E-05, 2E-04)***
MACT Standard Emissions														
Resident	1E-05	*(6E-06, 2E-05)*	1E-05	*(7E-06, 2E-05)*	1E-06	*(3E-07, 3E-06)*	1E-05	*(6E-06, 4E-05)*	5E-05	*(3E-05, 9E-05)*	2E-06	*(8E-07, 3E-06)*	**9E-05**	*(6E-05, 1E-04)*
Home Gardener	1E-05	*(6E-06, 2E-05)*	8E-06	*(4E-06, 1E-05)*	6E-07	*(2E-07, 2E-06)*	9E-06	*(3E-06, 2E-05)*	3E-05	*(2E-05, 6E-05)*	1E-06	*(5E-07, 2E-06)*	**6E-05**	*(4E-05, 1E-04)*
Beef Farmer	1E-06	*(6E-07, 2E-06)*	1E-07	*(5E-08, 3E-07)*	1E-09	*(5E-10, 2E-09)*	2E-08	*(9E-09, 4E-08)*	1E-07	*(6E-08, 2E-07)*	4E-09	*(2E-09, 7E-09)*	**1E-06**	*(7E-07, 2E-06)*
Dairy Farmer	6E-07	*(4E-07, 9E-07)*	1E-08	*(5E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	2E-09	*(2E-09, 3E-09)*	3E-08	*(2E-08, 5E-08)*	7E-10	*(4E-10, 1E-09)*	**6E-07**	*(4E-07, 1E-06)*
Produce Farmer	2E-09	*(9E-10, 3E-09)*	8E-10	*(4E-10, 2E-09)*	7E-11	*(7E-11, 7E-11)*	3E-10	*(3E-10, 3E-10)*	5E-09	*(2E-09, 9E-09)*	3E-10	*(3E-10, 3E-10)*	**8E-09**	*(4E-09, 1E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-08	*(5E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	2E-09	*(1E-09, 4E-09)*	2E-08	*(2E-08, 3E-08)*	5E-10	*(5E-10, 5E-10)*	**6E-08**	*(4E-08, 8E-08)*
Total	**2E-05**	***(1E-05, 3E-05)***	**2E-05**	***(1E-05, 4E-05)***	**2E-06**	***(5E-07, 5E-06)***	**2E-05**	***(9E-06, 6E-05)***	**8E-05**	***(5E-05, 1E-04)***	**3E-06**	***(1E-06, 5E-06)***	**2E-04**	***(9E-05, 2E-04)***

Table II-D49. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Waste Heat Boilers

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-04	*(2E-04, 6E-04)*	2E-04	*(1E-04, 4E-04)*	5E-06	*(2E-06, 1E-05)*	2E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	**1E-03**	*(9E-04, 2E-03)*
Home Gardener	4E-04	*(2E-04, 6E-04)*	1E-04	*(7E-05, 2E-04)*	3E-06	*(1E-06, 9E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-06	*(3E-06, 1E-05)*	**9E-04**	*(7E-04, 1E-03)*
Beef Farmer	1E-04	*(6E-05, 2E-04)*	7E-06	*(3E-06, 2E-05)*	3E-08	*(1E-08, 8E-08)*	5E-07	*(4E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*	4E-08	*(3E-08, 7E-08)*	**1E-04**	*(7E-05, 2E-04)*
Dairy Farmer	3E-05	*(2E-05, 5E-05)*	7E-07	*(2E-07, 2E-06)*	4E-09	*(2E-09, 8E-09)*	3E-07	*(3E-07, 4E-07)*	7E-07	*(6E-07, 9E-07)*	7E-09	*(5E-09, 1E-08)*	**3E-05**	*(2E-05, 6E-05)*
Produce Farmer	2E-07	*(9E-08, 3E-07)*	3E-08	*(1E-08, 8E-08)*	6E-10	*(3E-10, 1E-09)*	1E-08	*(1E-08, 1E-08)*	5E-08	*(3E-08, 9E-08)*	2E-09	*(1E-09, 5E-09)*	**3E-07**	*(2E-07, 4E-07)*
Pork Farmer	2E-06	*(1E-06, 3E-06)*	7E-07	*(2E-07, 2E-06)*	4E-09	*(2E-09, 8E-09)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	6E-09	*(4E-09, 9E-09)*	**3E-06**	*(2E-06, 5E-06)*
Total	**9E-04**	***(6E-04, 1E-03)***	**3E-04**	***(2E-04, 6E-04)***	**8E-06**	***(3E-06, 2E-05)***	**4E-04**	***(3E-04, 5E-04)***	**7E-04**	***(5E-04, 1E-03)***	**2E-05**	***(9E-06, 3E-05)***	**2E-03**	***(2E-03, 3E-03)***
MACT Floor Emissions														
Resident	4E-04	*(2E-04, 6E-04)*	1E-04	*(6E-05, 2E-04)*	5E-06	*(2E-06, 1E-05)*	7E-05	*(3E-05, 2E-04)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	**8E-04**	*(5E-04, 1E-03)*
Home Gardener	4E-04	*(2E-04, 6E-04)*	8E-05	*(4E-05, 1E-04)*	3E-06	*(1E-06, 9E-06)*	4E-05	*(2E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	5E-06	*(2E-06, 9E-06)*	**7E-04**	*(4E-04, 1E-03)*
Beef Farmer	1E-04	*(6E-05, 2E-04)*	6E-06	*(2E-06, 2E-05)*	3E-08	*(1E-08, 7E-08)*	1E-07	*(7E-08, 3E-07)*	9E-07	*(5E-07, 2E-06)*	2E-08	*(1E-08, 4E-08)*	**1E-04**	*(6E-05, 2E-04)*
Dairy Farmer	3E-05	*(2E-05, 5E-05)*	6E-07	*(2E-07, 2E-06)*	3E-09	*(1E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-05**	*(2E-05, 6E-05)*
Produce Farmer	2E-07	*(9E-08, 3E-07)*	3E-08	*(1E-08, 7E-08)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 6E-08)*	2E-09	*(9E-10, 5E-09)*	**2E-07**	*(1E-07, 4E-07)*
Pork Farmer	2E-06	*(1E-06, 3E-06)*	6E-07	*(2E-07, 2E-06)*	3E-09	*(1E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	1E-07	*(1E-07, 2E-07)*	3E-09	*(2E-09, 5E-09)*	**2E-06**	*(1E-06, 4E-06)*
Total	**9E-04**	***(6E-04, 1E-03)***	**2E-04**	***(1E-04, 4E-04)***	**8E-06**	***(3E-06, 2E-05)***	**1E-04**	***(4E-05, 3E-04)***	**4E-04**	***(2E-04, 7E-04)***	**1E-05**	***(6E-06, 2E-05)***	**2E-03**	***(1E-03, 2E-03)***
MACT BTF Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 1E-04)*	5E-06	*(1E-06, 1E-05)*	7E-05	*(3E-05, 2E-04)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	**4E-04**	*(3E-04, 6E-04)*
Home Gardener	3E-05	*(2E-05, 4E-05)*	4E-05	*(2E-05, 7E-05)*	3E-06	*(9E-07, 9E-06)*	4E-05	*(2E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	5E-06	*(2E-06, 9E-06)*	**3E-04**	*(2E-04, 4E-04)*
Beef Farmer	5E-06	*(3E-06, 9E-06)*	8E-07	*(3E-07, 2E-06)*	6E-09	*(3E-09, 1E-08)*	9E-08	*(4E-08, 2E-07)*	6E-07	*(3E-07, 1E-06)*	2E-08	*(1E-08, 4E-08)*	**7E-06**	*(4E-06, 1E-05)*
Dairy Farmer	1E-06	*(7E-07, 2E-06)*	7E-08	*(3E-08, 2E-07)*	1E-09	*(5E-10, 2E-09)*	1E-08	*(9E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	4E-09	*(2E-09, 7E-09)*	**1E-06**	*(9E-07, 2E-06)*
Produce Farmer	6E-09	*(3E-09, 1E-08)*	5E-09	*(2E-09, 1E-08)*	4E-10	*(2E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 6E-08)*	2E-09	*(9E-10, 5E-09)*	**4E-08**	*(2E-08, 8E-08)*
Pork Farmer	7E-08	*(4E-08, 1E-07)*	8E-08	*(3E-08, 2E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	1E-07	*(8E-08, 2E-07)*	3E-09	*(2E-09, 5E-09)*	**3E-07**	*(2E-07, 4E-07)*
Total	**6E-05**	***(4E-05, 9E-05)***	**1E-04**	***(6E-05, 2E-04)***	**7E-06**	***(2E-06, 2E-05)***	**1E-04**	***(4E-05, 3E-04)***	**4E-04**	***(2E-04, 6E-04)***	**1E-05**	***(6E-06, 2E-05)***	**7E-04**	***(4E-04, 1E-03)***
MACT Standard Emissions														
Resident	4E-05	*(3E-05, 7E-05)*	6E-05	*(3E-05, 1E-04)*	5E-06	*(1E-06, 1E-05)*	7E-05	*(3E-05, 2E-04)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	**4E-04**	*(3E-04, 7E-04)*
Home Gardener	5E-05	*(3E-05, 8E-05)*	4E-05	*(2E-05, 7E-05)*	3E-06	*(9E-07, 9E-06)*	4E-05	*(2E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	5E-06	*(2E-06, 9E-06)*	**3E-04**	*(2E-04, 4E-04)*
Beef Farmer	1E-05	*(6E-06, 2E-05)*	8E-07	*(3E-07, 2E-06)*	6E-09	*(3E-09, 1E-08)*	9E-08	*(4E-08, 2E-07)*	6E-07	*(3E-07, 1E-06)*	2E-08	*(1E-08, 4E-08)*	**1E-05**	*(6E-06, 2E-05)*
Dairy Farmer	2E-06	*(1E-06, 4E-06)*	7E-08	*(3E-08, 2E-07)*	1E-09	*(5E-10, 2E-09)*	1E-08	*(9E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	4E-09	*(2E-09, 7E-09)*	**3E-06**	*(2E-06, 4E-06)*
Produce Farmer	1E-08	*(6E-09, 2E-08)*	5E-09	*(2E-09, 1E-08)*	4E-10	*(2E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 6E-08)*	2E-09	*(9E-10, 5E-09)*	**5E-08**	*(3E-08, 9E-08)*
Pork Farmer	1E-07	*(9E-08, 2E-07)*	8E-08	*(3E-08, 2E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	1E-07	*(8E-08, 2E-07)*	3E-09	*(2E-09, 5E-09)*	**4E-07**	*(2E-07, 5E-07)*
Total	**1E-04**	***(6E-05, 2E-04)***	**1E-04**	***(6E-05, 2E-04)***	**7E-06**	***(2E-06, 2E-05)***	**1E-04**	***(4E-05, 3E-04)***	**4E-04**	***(2E-04, 6E-04)***	**1E-05**	***(6E-06, 2E-05)***	**7E-04**	***(5E-04, 1E-03)***

Table II-D50. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-04	*(7E-05, 2E-04)*	7E-03	*(4E-03, 1E-02)*	5E-05	*(3E-05, 9E-05)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 8E-03)*	1E-04	*(8E-05, 2E-04)*	**1E-02**	*(8E-03, 2E-02)*
Home Gardener	1E-04	*(6E-05, 2E-04)*	4E-03	*(2E-03, 7E-03)*	3E-05	*(2E-05, 6E-05)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	9E-05	*(5E-05, 1E-04)*	**8E-03**	*(5E-03, 1E-02)*
Beef Farmer	4E-06	*(2E-06, 7E-06)*	1E-05	*(7E-06, 3E-05)*	5E-08	*(3E-08, 1E-07)*	6E-06	*(3E-06, 1E-05)*	3E-06	*(1E-06, 7E-06)*	9E-08	*(5E-08, 1E-07)*	**3E-05**	*(1E-05, 5E-05)*
Dairy Farmer	3E-06	*(2E-06, 5E-06)*	1E-06	*(6E-07, 3E-06)*	1E-08	*(5E-09, 3E-08)*	4E-07	*(2E-07, 8E-07)*	3E-07	*(2E-07, 5E-07)*	1E-08	*(8E-09, 2E-08)*	**6E-06**	*(4E-06, 8E-06)*
Produce Farmer	3E-08	*(2E-08, 6E-08)*	7E-07	*(2E-07, 2E-06)*	8E-09	*(3E-09, 2E-08)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(4E-07, 4E-06)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	2E-07	*(1E-07, 3E-07)*	1E-06	*(6E-07, 2E-06)*	2E-08	*(9E-09, 6E-08)*	5E-07	*(3E-07, 1E-06)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(1E-08, 5E-08)*	**2E-06**	*(2E-06, 4E-06)*
Total	**2E-04**	***(1E-04, 4E-04)***	**1E-02**	***(7E-03, 2E-02)***	**8E-05**	***(4E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***	**6E-03**	***(3E-03, 1E-02)***	**2E-04**	***(1E-04, 4E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT Floor Emissions														
Resident	1E-04	*(5E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-05	*(1E-05, 3E-05)*	1E-04	*(8E-05, 1E-04)*	8E-04	*(4E-04, 2E-03)*	5E-05	*(3E-05, 8E-05)*	**2E-03**	*(2E-03, 3E-03)*
Home Gardener	7E-05	*(4E-05, 1E-04)*	7E-04	*(5E-04, 1E-03)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(5E-05, 8E-05)*	5E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(1E-03, 2E-03)*
Beef Farmer	2E-06	*(1E-06, 3E-06)*	2E-06	*(7E-07, 4E-06)*	2E-08	*(8E-09, 3E-08)*	3E-07	*(2E-07, 4E-07)*	4E-07	*(2E-07, 5E-07)*	3E-08	*(2E-08, 4E-08)*	**4E-06**	*(2E-06, 7E-06)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	2E-07	*(1E-07, 5E-07)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(5E-08, 1E-07)*	3E-09	*(2E-09, 5E-09)*	**2E-06**	*(2E-06, 4E-06)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	2E-07	*(7E-08, 5E-07)*	2E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(3E-09, 1E-08)*	**6E-07**	*(3E-07, 1E-06)*
Pork Farmer	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 4E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	6E-09	*(3E-09, 1E-08)*	**6E-07**	*(4E-07, 9E-07)*
Total	**2E-04**	***(1E-04, 4E-04)***	**2E-03**	***(1E-03, 3E-03)***	**3E-05**	***(2E-05, 5E-05)***	**2E-04**	***(1E-04, 2E-04)***	**1E-03**	***(7E-04, 3E-03)***	**8E-05**	***(5E-05, 1E-04)***	**4E-03**	***(3E-03, 6E-03)***
MACT BTF Emissions														
Resident	7E-05	*(4E-05, 1E-04)*	1E-03	*(8E-04, 2E-03)*	2E-05	*(1E-05, 3E-05)*	1E-04	*(8E-05, 1E-04)*	8E-04	*(4E-04, 2E-03)*	5E-05	*(3E-05, 8E-05)*	**2E-03**	*(2E-03, 3E-03)*
Home Gardener	5E-05	*(3E-05, 9E-05)*	7E-04	*(5E-04, 1E-03)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(5E-05, 8E-05)*	5E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(9E-04, 2E-03)*
Beef Farmer	1E-06	*(6E-07, 2E-06)*	2E-06	*(7E-07, 4E-06)*	2E-08	*(8E-09, 3E-08)*	3E-07	*(2E-07, 4E-07)*	4E-07	*(2E-07, 5E-07)*	3E-08	*(2E-08, 4E-08)*	**3E-06**	*(2E-06, 6E-06)*
Dairy Farmer	2E-06	*(1E-06, 2E-06)*	2E-07	*(1E-07, 5E-07)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(5E-08, 1E-07)*	3E-09	*(2E-09, 5E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	2E-08	*(1E-08, 5E-08)*	2E-07	*(7E-08, 5E-07)*	2E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(3E-09, 1E-08)*	**6E-07**	*(3E-07, 1E-06)*
Pork Farmer	7E-08	*(5E-08, 9E-08)*	2E-07	*(1E-07, 4E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	6E-09	*(3E-09, 1E-08)*	**6E-07**	*(4E-07, 8E-07)*
Total	**1E-04**	***(7E-05, 2E-04)***	**2E-03**	***(1E-03, 3E-03)***	**3E-05**	***(2E-05, 5E-05)***	**2E-04**	***(1E-04, 2E-04)***	**1E-03**	***(7E-04, 3E-03)***	**8E-05**	***(5E-05, 1E-04)***	**4E-03**	***(2E-03, 5E-03)***
MACT Standard Emissions														
Resident	1E-04	*(5E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-05	*(1E-05, 3E-05)*	1E-04	*(8E-05, 1E-04)*	8E-04	*(4E-04, 2E-03)*	5E-05	*(3E-05, 8E-05)*	**2E-03**	*(2E-03, 3E-03)*
Home Gardener	7E-05	*(4E-05, 1E-04)*	7E-04	*(5E-04, 1E-03)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(5E-05, 8E-05)*	5E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(1E-03, 2E-03)*
Beef Farmer	2E-06	*(1E-06, 3E-06)*	2E-06	*(7E-07, 4E-06)*	2E-08	*(8E-09, 3E-08)*	3E-07	*(2E-07, 4E-07)*	4E-07	*(2E-07, 5E-07)*	3E-08	*(2E-08, 4E-08)*	**4E-06**	*(2E-06, 7E-06)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	2E-07	*(1E-07, 5E-07)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(5E-08, 1E-07)*	3E-09	*(2E-09, 5E-09)*	**2E-06**	*(2E-06, 4E-06)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	2E-07	*(7E-08, 5E-07)*	2E-09	*(1E-09, 5E-09)*	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(3E-09, 1E-08)*	**6E-07**	*(3E-07, 1E-06)*
Pork Farmer	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 4E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	6E-09	*(3E-09, 1E-08)*	**6E-07**	*(4E-07, 9E-07)*
Total	**2E-04**	***(1E-04, 4E-04)***	**2E-03**	***(1E-03, 3E-03)***	**3E-05**	***(2E-05, 5E-05)***	**2E-04**	***(1E-04, 2E-04)***	**1E-03**	***(7E-04, 3E-03)***	**8E-05**	***(5E-05, 1E-04)***	**4E-03**	***(3E-03, 6E-03)***

Table II-D51. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	5E-05	*(3E-05, 8E-05)*	4E-03	*(3E-03, 7E-03)*	4E-05	*(2E-05, 7E-05)*	1E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(6E-05, 2E-04)*	**8E-03**	*(5E-03, 1E-02)*
Home Gardener	4E-05	*(2E-05, 6E-05)*	3E-03	*(2E-03, 4E-03)*	2E-05	*(1E-05, 5E-05)*	9E-04	*(5E-04, 2E-03)*	2E-03	*(8E-04, 4E-03)*	6E-05	*(4E-05, 9E-05)*	**5E-03**	*(3E-03, 8E-03)*
Beef Farmer	4E-06	*(3E-06, 8E-06)*	1E-05	*(6E-06, 3E-05)*	5E-08	*(2E-08, 9E-08)*	6E-06	*(3E-06, 1E-05)*	3E-06	*(1E-06, 6E-06)*	8E-08	*(4E-08, 1E-07)*	**2E-05**	*(1E-05, 5E-05)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	1E-06	*(5E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	4E-07	*(2E-07, 7E-07)*	3E-07	*(2E-07, 4E-07)*	9E-09	*(6E-09, 1E-08)*	**3E-06**	*(2E-06, 5E-06)*
Produce Farmer	1E-08	*(7E-09, 3E-08)*	4E-07	*(1E-07, 1E-06)*	7E-09	*(2E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(3E-07, 3E-06)*	1E-08	*(6E-09, 2E-08)*	**1E-06**	*(7E-07, 3E-06)*
Pork Farmer	1E-07	*(7E-08, 1E-07)*	9E-07	*(5E-07, 2E-06)*	2E-08	*(7E-09, 5E-08)*	5E-07	*(3E-07, 9E-07)*	5E-07	*(3E-07, 8E-07)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**9E-05**	***(6E-05, 1E-04)***	**7E-03**	***(4E-03, 1E-02)***	**6E-05**	***(3E-05, 1E-04)***	**2E-03**	***(1E-03, 4E-03)***	**5E-03**	***(2E-03, 1E-02)***	**2E-04**	***(1E-04, 2E-04)***	**1E-02**	***(9E-03, 2E-02)***
MACT Floor Emissions														
Resident	3E-05	*(2E-05, 6E-05)*	6E-04	*(4E-04, 9E-04)*	1E-05	*(8E-06, 3E-05)*	7E-05	*(6E-05, 9E-05)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	4E-04	*(3E-04, 6E-04)*	9E-06	*(5E-06, 2E-05)*	4E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 8E-04)*	2E-05	*(1E-05, 3E-05)*	**9E-04**	*(6E-04, 1E-03)*
Beef Farmer	2E-06	*(1E-06, 3E-06)*	1E-06	*(5E-07, 2E-06)*	1E-08	*(7E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(1E-08, 4E-08)*	**3E-06**	*(2E-06, 5E-06)*
Dairy Farmer	1E-06	*(7E-07, 2E-06)*	1E-07	*(7E-08, 2E-07)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(4E-08, 1E-07)*	3E-09	*(2E-09, 4E-09)*	**1E-06**	*(9E-07, 2E-06)*
Produce Farmer	1E-08	*(7E-09, 3E-08)*	8E-08	*(4E-08, 2E-07)*	2E-09	*(8E-10, 4E-09)*	1E-08	*(8E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**4E-07**	*(2E-07, 7E-07)*
Pork Farmer	5E-08	*(4E-08, 7E-08)*	2E-07	*(9E-08, 3E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	5E-09	*(3E-09, 9E-09)*	**4E-07**	*(3E-07, 6E-07)*
Total	**6E-05**	***(4E-05, 1E-04)***	**1E-03**	***(7E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**1E-04**	***(9E-05, 2E-04)***	**1E-03**	***(5E-04, 2E-03)***	**6E-05**	***(4E-05, 9E-05)***	**2E-03**	***(2E-03, 3E-03)***
MACT BTF Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	6E-04	*(4E-04, 9E-04)*	1E-05	*(8E-06, 3E-05)*	7E-05	*(6E-05, 9E-05)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	2E-05	*(1E-05, 3E-05)*	4E-04	*(3E-04, 6E-04)*	9E-06	*(5E-06, 2E-05)*	4E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 8E-04)*	2E-05	*(1E-05, 3E-05)*	**9E-04**	*(6E-04, 1E-03)*
Beef Farmer	1E-06	*(7E-07, 2E-06)*	1E-06	*(5E-07, 2E-06)*	1E-08	*(7E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(1E-08, 4E-08)*	**3E-06**	*(2E-06, 4E-06)*
Dairy Farmer	8E-07	*(6E-07, 1E-06)*	1E-07	*(7E-08, 2E-07)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(4E-08, 1E-07)*	3E-09	*(2E-09, 4E-09)*	**1E-06**	*(7E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	8E-08	*(4E-08, 2E-07)*	2E-09	*(8E-10, 4E-09)*	1E-08	*(8E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**4E-07**	*(2E-07, 7E-07)*
Pork Farmer	4E-08	*(3E-08, 5E-08)*	2E-07	*(9E-08, 3E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	5E-09	*(3E-09, 9E-09)*	**4E-07**	*(3E-07, 6E-07)*
Total	**4E-05**	***(3E-05, 7E-05)***	**1E-03**	***(7E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**1E-04**	***(9E-05, 2E-04)***	**1E-03**	***(5E-04, 2E-03)***	**6E-05**	***(4E-05, 9E-05)***	**2E-03**	***(2E-03, 3E-03)***
MACT Standard Emissions														
Resident	3E-05	*(2E-05, 6E-05)*	6E-04	*(4E-04, 9E-04)*	1E-05	*(8E-06, 3E-05)*	7E-05	*(6E-05, 9E-05)*	6E-04	*(3E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(1E-03, 2E-03)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	4E-04	*(3E-04, 6E-04)*	9E-06	*(5E-06, 2E-05)*	4E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 8E-04)*	2E-05	*(1E-05, 3E-05)*	**9E-04**	*(6E-04, 1E-03)*
Beef Farmer	2E-06	*(1E-06, 3E-06)*	1E-06	*(5E-07, 2E-06)*	1E-08	*(7E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(1E-08, 4E-08)*	**3E-06**	*(2E-06, 5E-06)*
Dairy Farmer	1E-06	*(7E-07, 2E-06)*	1E-07	*(7E-08, 2E-07)*	5E-09	*(2E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(4E-08, 1E-07)*	3E-09	*(2E-09, 4E-09)*	**1E-06**	*(9E-07, 2E-06)*
Produce Farmer	1E-08	*(7E-09, 3E-08)*	8E-08	*(4E-08, 2E-07)*	2E-09	*(8E-10, 4E-09)*	1E-08	*(8E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**4E-07**	*(2E-07, 7E-07)*
Pork Farmer	5E-08	*(4E-08, 7E-08)*	2E-07	*(9E-08, 3E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	5E-09	*(3E-09, 9E-09)*	**4E-07**	*(3E-07, 6E-07)*
Total	**6E-05**	***(4E-05, 1E-04)***	**1E-03**	***(7E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**1E-04**	***(9E-05, 2E-04)***	**1E-03**	***(5E-04, 2E-03)***	**6E-05**	***(4E-05, 9E-05)***	**2E-03**	***(2E-03, 3E-03)***

Table II-D52. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-05	*(2E-05, 6E-05)*	3E-03	*(2E-03, 5E-03)*	3E-05	*(2E-05, 6E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	8E-05	*(5E-05, 1E-04)*	**7E-03**	*(4E-03, 1E-02)*
Home Gardener	3E-05	*(2E-05, 5E-05)*	2E-03	*(1E-03, 3E-03)*	2E-05	*(1E-05, 4E-05)*	7E-04	*(4E-04, 1E-03)*	1E-03	*(6E-04, 3E-03)*	5E-05	*(3E-05, 8E-05)*	**4E-03**	*(3E-03, 7E-03)*
Beef Farmer	3E-06	*(1E-06, 4E-06)*	9E-06	*(4E-06, 2E-05)*	3E-08	*(2E-08, 6E-08)*	4E-06	*(2E-06, 9E-06)*	2E-06	*(8E-07, 4E-06)*	6E-08	*(3E-08, 1E-07)*	**2E-05**	*(9E-06, 3E-05)*
Dairy Farmer	1E-06	*(7E-07, 2E-06)*	8E-07	*(3E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	3E-07	*(2E-07, 6E-07)*	2E-07	*(1E-07, 3E-07)*	7E-09	*(5E-09, 1E-08)*	**2E-06**	*(1E-06, 4E-06)*
Produce Farmer	1E-08	*(6E-09, 2E-08)*	3E-07	*(1E-07, 8E-07)*	6E-09	*(2E-09, 2E-08)*	5E-08	*(3E-08, 1E-07)*	8E-07	*(3E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	**1E-06**	*(5E-07, 3E-06)*
Pork Farmer	8E-08	*(5E-08, 1E-07)*	7E-07	*(4E-07, 1E-06)*	2E-08	*(6E-09, 4E-08)*	4E-07	*(2E-07, 6E-07)*	4E-07	*(2E-07, 6E-07)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 2E-06)*
Total	**7E-05**	***(4E-05, 1E-04)***	**5E-03**	***(3E-03, 8E-03)***	**5E-05**	***(3E-05, 9E-05)***	**2E-03**	***(1E-03, 3E-03)***	**4E-03**	***(2E-03, 8E-03)***	**1E-04**	***(8E-05, 2E-04)***	**1E-02**	***(7E-03, 2E-02)***
MACT Floor Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	5E-04	*(4E-04, 8E-04)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(5E-05, 8E-05)*	5E-04	*(2E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(8E-04, 2E-03)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	3E-04	*(2E-04, 5E-04)*	7E-06	*(4E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 6E-04)*	2E-05	*(1E-05, 3E-05)*	**7E-04**	*(5E-04, 1E-03)*
Beef Farmer	1E-06	*(6E-07, 2E-06)*	8E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	2E-07	*(2E-07, 3E-07)*	2E-08	*(1E-08, 3E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	7E-07	*(4E-07, 1E-06)*	1E-07	*(6E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(4E-08, 9E-08)*	2E-09	*(1E-09, 3E-09)*	**9E-07**	*(6E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	7E-08	*(3E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 6E-07)*
Pork Farmer	4E-08	*(3E-08, 6E-08)*	1E-07	*(8E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**5E-05**	***(3E-05, 8E-05)***	**9E-04**	***(6E-04, 1E-03)***	**2E-05**	***(1E-05, 3E-05)***	**1E-04**	***(8E-05, 1E-04)***	**8E-04**	***(4E-04, 2E-03)***	**5E-05**	***(3E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***
MACT BTF Emissions														
Resident	2E-05	*(1E-05, 3E-05)*	5E-04	*(4E-04, 8E-04)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(5E-05, 8E-05)*	5E-04	*(2E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(8E-04, 2E-03)*
Home Gardener	1E-05	*(9E-06, 2E-05)*	3E-04	*(2E-04, 5E-04)*	7E-06	*(4E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 6E-04)*	2E-05	*(1E-05, 3E-05)*	**7E-04**	*(5E-04, 1E-03)*
Beef Farmer	7E-07	*(4E-07, 1E-06)*	8E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	2E-07	*(2E-07, 3E-07)*	2E-08	*(1E-08, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Dairy Farmer	5E-07	*(3E-07, 8E-07)*	1E-07	*(6E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(4E-08, 9E-08)*	2E-09	*(1E-09, 3E-09)*	**7E-07**	*(5E-07, 1E-06)*
Produce Farmer	9E-09	*(4E-09, 2E-08)*	7E-08	*(3E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(2E-09, 7E-09)*	**3E-07**	*(1E-07, 6E-07)*
Pork Farmer	3E-08	*(2E-08, 5E-08)*	1E-07	*(8E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**3E-05**	***(2E-05, 5E-05)***	**9E-04**	***(6E-04, 1E-03)***	**2E-05**	***(1E-05, 3E-05)***	**1E-04**	***(8E-05, 1E-04)***	**8E-04**	***(4E-04, 2E-03)***	**5E-05**	***(3E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***
MACT Standard Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	5E-04	*(4E-04, 8E-04)*	1E-05	*(6E-06, 2E-05)*	6E-05	*(5E-05, 8E-05)*	5E-04	*(2E-04, 1E-03)*	3E-05	*(2E-05, 5E-05)*	**1E-03**	*(8E-04, 2E-03)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	3E-04	*(2E-04, 5E-04)*	7E-06	*(4E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 6E-04)*	2E-05	*(1E-05, 3E-05)*	**7E-04**	*(5E-04, 1E-03)*
Beef Farmer	1E-06	*(6E-07, 2E-06)*	8E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	2E-07	*(2E-07, 3E-07)*	2E-08	*(1E-08, 3E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	7E-07	*(4E-07, 1E-06)*	1E-07	*(6E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(4E-08, 9E-08)*	2E-09	*(1E-09, 3E-09)*	**9E-07**	*(6E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	7E-08	*(3E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 6E-07)*
Pork Farmer	4E-08	*(3E-08, 6E-08)*	1E-07	*(8E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**5E-05**	***(3E-05, 8E-05)***	**9E-04**	***(6E-04, 1E-03)***	**2E-05**	***(1E-05, 3E-05)***	**1E-04**	***(8E-05, 1E-04)***	**8E-04**	***(4E-04, 2E-03)***	**5E-05**	***(3E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***

Table II-D53. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: All Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-04	*(1E-04, 3E-04)*	2E-02	*(1E-02, 4E-02)*	2E-04	*(8E-05, 3E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 3E-02)*	4E-04	*(3E-04, 7E-04)*	**4E-02**	*(3E-02, 6E-02)*
Home Gardener	2E-04	*(1E-04, 3E-04)*	1E-02	*(8E-03, 2E-02)*	1E-04	*(5E-05, 2E-04)*	4E-03	*(2E-03, 7E-03)*	8E-03	*(3E-03, 2E-02)*	3E-04	*(2E-04, 4E-04)*	**3E-02**	*(2E-02, 4E-02)*
Beef Farmer	3E-05	*(2E-05, 5E-05)*	9E-05	*(3E-05, 2E-04)*	2E-07	*(9E-08, 3E-07)*	2E-05	*(1E-05, 5E-05)*	9E-06	*(4E-06, 2E-05)*	3E-07	*(2E-07, 5E-07)*	**1E-04**	*(7E-05, 3E-04)*
Dairy Farmer	4E-06	*(3E-06, 6E-06)*	9E-06	*(3E-06, 2E-05)*	4E-08	*(1E-08, 9E-08)*	2E-06	*(8E-07, 3E-06)*	1E-06	*(6E-07, 2E-06)*	4E-08	*(3E-08, 5E-08)*	**2E-05**	*(8E-06, 3E-05)*
Produce Farmer	7E-08	*(3E-08, 1E-07)*	3E-06	*(1E-06, 8E-06)*	3E-08	*(1E-08, 8E-08)*	3E-07	*(1E-07, 6E-07)*	4E-06	*(1E-06, 1E-05)*	5E-08	*(3E-08, 1E-07)*	**8E-06**	*(4E-06, 2E-05)*
Pork Farmer	6E-07	*(4E-07, 1E-06)*	6E-06	*(3E-06, 1E-05)*	7E-08	*(3E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	2E-06	*(1E-06, 3E-06)*	8E-08	*(4E-08, 1E-07)*	**1E-05**	*(6E-06, 2E-05)*
Total	**4E-04**	***(2E-04, 6E-04)***	**4E-02**	***(2E-02, 6E-02)***	**3E-04**	***(1E-04, 5E-04)***	**1E-02**	***(5E-03, 2E-02)***	**2E-02**	***(9E-03, 4E-02)***	**7E-04**	***(4E-04, 1E-03)***	**7E-02**	***(4E-02, 1E-01)***
MACT Floor Emissions														
Resident	1E-04	*(7E-05, 2E-04)*	4E-03	*(3E-03, 7E-03)*	6E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(9E-05, 2E-04)*	**7E-03**	*(5E-03, 1E-02)*
Home Gardener	1E-04	*(7E-05, 2E-04)*	3E-03	*(2E-03, 4E-03)*	3E-05	*(2E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-03	*(8E-04, 3E-03)*	9E-05	*(5E-05, 2E-04)*	**5E-03**	*(3E-03, 7E-03)*
Beef Farmer	1E-05	*(7E-06, 2E-05)*	9E-06	*(3E-06, 2E-05)*	5E-08	*(3E-08, 1E-07)*	8E-07	*(5E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	8E-08	*(5E-08, 1E-07)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	3E-06	*(2E-06, 4E-06)*	1E-06	*(5E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	9E-08	*(6E-08, 1E-07)*	3E-07	*(2E-07, 5E-07)*	1E-08	*(7E-09, 2E-08)*	**4E-06**	*(3E-06, 7E-06)*
Produce Farmer	7E-08	*(3E-08, 1E-07)*	7E-07	*(3E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	3E-07	*(2E-07, 4E-07)*	1E-06	*(6E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**3E-04**	***(2E-04, 4E-04)***	**7E-03**	***(4E-03, 1E-02)***	**9E-05**	***(5E-05, 2E-04)***	**5E-04**	***(4E-04, 7E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(1E-04, 4E-04)***	**1E-02**	***(8E-03, 2E-02)***
MACT BTF Emissions														
Resident	8E-05	*(5E-05, 1E-04)*	4E-03	*(3E-03, 7E-03)*	6E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(9E-05, 2E-04)*	**7E-03**	*(5E-03, 1E-02)*
Home Gardener	8E-05	*(5E-05, 1E-04)*	3E-03	*(2E-03, 4E-03)*	3E-05	*(2E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-03	*(8E-04, 3E-03)*	9E-05	*(5E-05, 2E-04)*	**5E-03**	*(3E-03, 7E-03)*
Beef Farmer	7E-06	*(4E-06, 1E-05)*	9E-06	*(3E-06, 2E-05)*	5E-08	*(3E-08, 1E-07)*	8E-07	*(5E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	8E-08	*(5E-08, 1E-07)*	**2E-05**	*(9E-06, 4E-05)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	1E-06	*(5E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	9E-08	*(6E-08, 1E-07)*	3E-07	*(2E-07, 5E-07)*	1E-08	*(7E-09, 2E-08)*	**4E-06**	*(2E-06, 6E-06)*
Produce Farmer	5E-08	*(3E-08, 1E-07)*	7E-07	*(3E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	2E-07	*(2E-07, 3E-07)*	1E-06	*(6E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**2E-04**	***(1E-04, 3E-04)***	**7E-03**	***(4E-03, 1E-02)***	**9E-05**	***(5E-05, 2E-04)***	**5E-04**	***(4E-04, 7E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(1E-04, 4E-04)***	**1E-02**	***(8E-03, 2E-02)***
MACT Standard Emissions														
Resident	1E-04	*(7E-05, 2E-04)*	4E-03	*(3E-03, 7E-03)*	6E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	1E-04	*(9E-05, 2E-04)*	**7E-03**	*(5E-03, 1E-02)*
Home Gardener	1E-04	*(7E-05, 2E-04)*	3E-03	*(2E-03, 4E-03)*	3E-05	*(2E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-03	*(8E-04, 3E-03)*	9E-05	*(5E-05, 2E-04)*	**5E-03**	*(3E-03, 7E-03)*
Beef Farmer	1E-05	*(7E-06, 2E-05)*	9E-06	*(3E-06, 2E-05)*	5E-08	*(3E-08, 1E-07)*	8E-07	*(5E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	8E-08	*(5E-08, 1E-07)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	3E-06	*(2E-06, 4E-06)*	1E-06	*(5E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	9E-08	*(6E-08, 1E-07)*	3E-07	*(2E-07, 5E-07)*	1E-08	*(7E-09, 2E-08)*	**4E-06**	*(3E-06, 7E-06)*
Produce Farmer	7E-08	*(3E-08, 1E-07)*	7E-07	*(3E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Pork Farmer	3E-07	*(2E-07, 4E-07)*	1E-06	*(6E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**3E-04**	***(2E-04, 4E-04)***	**7E-03**	***(4E-03, 1E-02)***	**9E-05**	***(5E-05, 2E-04)***	**5E-04**	***(4E-04, 7E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(1E-04, 4E-04)***	**1E-02**	***(8E-03, 2E-02)***

Table II-D54. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	5E-05	*(2E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*	2E-06	*(8E-07, 3E-06)*	2E-04	*(2E-04, 2E-04)*	8E-06	*(6E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*	**5E-04**	*(4E-04, 6E-04)*
Home Gardener	4E-05	*(2E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*	1E-06	*(5E-07, 2E-06)*	1E-04	*(1E-04, 1E-04)*	5E-06	*(4E-06, 5E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 4E-04)*
Beef Farmer	3E-06	*(1E-06, 6E-06)*	1E-07	*(7E-08, 2E-07)*	2E-09	*(1E-09, 5E-09)*	3E-07	*(3E-07, 3E-07)*	1E-08	*(1E-08, 1E-08)*	2E-08	*(2E-08, 2E-08)*	**3E-06**	*(2E-06, 6E-06)*
Dairy Farmer	2E-06	*(1E-06, 3E-06)*	3E-08	*(1E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	3E-08	*(2E-08, 3E-08)*	2E-09	*(1E-09, 3E-09)*	2E-09	*(1E-09, 2E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	2E-09	*(1E-09, 3E-09)*	2E-08	*(7E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	2E-09	*(9E-10, 6E-09)*	8E-10	*(3E-10, 2E-09)*	4E-10	*(4E-10, 4E-10)*	**2E-08**	*(1E-08, 6E-08)*
Pork Farmer	1E-07	*(6E-08, 2E-07)*	3E-08	*(1E-08, 6E-08)*	3E-10	*(3E-10, 3E-10)*	2E-08	*(2E-08, 2E-08)*	2E-09	*(1E-09, 2E-09)*	1E-09	*(1E-09, 1E-09)*	**2E-07**	*(1E-07, 2E-07)*
Total	**9E-05**	***(4E-05, 2E-04)***	**4E-04**	***(4E-04, 5E-04)***	**3E-06**	***(1E-06, 5E-06)***	**3E-04**	***(3E-04, 3E-04)***	**1E-05**	***(1E-05, 1E-05)***	**3E-05**	***(3E-05, 3E-05)***	**8E-04**	***(7E-04, 1E-03)***
MACT Floor Emissions														
Resident	2E-05	*(7E-06, 3E-05)*	2E-04	*(2E-04, 3E-04)*	1E-06	*(7E-07, 3E-06)*	3E-05	*(3E-05, 3E-05)*	7E-06	*(6E-06, 8E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	1E-05	*(6E-06, 3E-05)*	1E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(8E-06, 9E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	6E-07	*(4E-07, 1E-06)*	8E-08	*(5E-08, 1E-07)*	2E-09	*(9E-10, 4E-09)*	5E-08	*(5E-08, 6E-08)*	1E-08	*(1E-08, 1E-08)*	7E-09	*(7E-09, 8E-09)*	**8E-07**	*(5E-07, 1E-06)*
Dairy Farmer	6E-07	*(4E-07, 9E-07)*	3E-08	*(1E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(4E-09, 4E-09)*	2E-09	*(1E-09, 3E-09)*	9E-10	*(6E-10, 1E-09)*	**6E-07**	*(4E-07, 1E-06)*
Produce Farmer	1E-09	*(6E-10, 3E-09)*	2E-08	*(7E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	2E-10	*(2E-10, 2E-10)*	8E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(8E-09, 6E-08)*
Pork Farmer	3E-08	*(2E-08, 4E-08)*	2E-08	*(1E-08, 5E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	2E-09	*(1E-09, 2E-09)*	8E-10	*(8E-10, 8E-10)*	**6E-08**	*(4E-08, 9E-08)*
Total	**3E-05**	***(1E-05, 6E-05)***	**4E-04**	***(3E-04, 4E-04)***	**2E-06**	***(1E-06, 5E-06)***	**4E-05**	***(4E-05, 5E-05)***	**1E-05**	***(1E-05, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 5E-04)***
MACT BTF Emissions														
Resident	8E-06	*(4E-06, 1E-05)*	2E-04	*(2E-04, 3E-04)*	1E-06	*(7E-07, 3E-06)*	3E-05	*(3E-05, 3E-05)*	7E-06	*(6E-06, 8E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	6E-06	*(3E-06, 1E-05)*	1E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(8E-06, 9E-06)*	**2E-04**	*(1E-04, 2E-04)*
Beef Farmer	3E-07	*(2E-07, 4E-07)*	8E-08	*(5E-08, 1E-07)*	2E-09	*(9E-10, 4E-09)*	5E-08	*(5E-08, 6E-08)*	1E-08	*(1E-08, 1E-08)*	7E-09	*(7E-09, 8E-09)*	**4E-07**	*(3E-07, 6E-07)*
Dairy Farmer	4E-07	*(2E-07, 7E-07)*	3E-08	*(1E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(4E-09, 4E-09)*	2E-09	*(1E-09, 3E-09)*	9E-10	*(6E-10, 1E-09)*	**4E-07**	*(3E-07, 8E-07)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	2E-08	*(7E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	2E-10	*(2E-10, 2E-10)*	8E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(8E-09, 6E-08)*
Pork Farmer	1E-08	*(8E-09, 2E-08)*	2E-08	*(1E-08, 5E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	2E-09	*(1E-09, 2E-09)*	8E-10	*(8E-10, 8E-10)*	**4E-08**	*(2E-08, 7E-08)*
Total	**1E-05**	***(8E-06, 3E-05)***	**4E-04**	***(3E-04, 4E-04)***	**2E-06**	***(1E-06, 5E-06)***	**4E-05**	***(4E-05, 5E-05)***	**1E-05**	***(1E-05, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 5E-04)***
MACT Standard Emissions														
Resident	2E-05	*(7E-06, 3E-05)*	2E-04	*(2E-04, 3E-04)*	1E-06	*(7E-07, 3E-06)*	3E-05	*(3E-05, 3E-05)*	7E-06	*(6E-06, 8E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(2E-04, 3E-04)*
Home Gardener	1E-05	*(6E-06, 3E-05)*	1E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(8E-06, 9E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	6E-07	*(4E-07, 1E-06)*	8E-08	*(5E-08, 1E-07)*	2E-09	*(9E-10, 4E-09)*	5E-08	*(5E-08, 6E-08)*	1E-08	*(1E-08, 1E-08)*	7E-09	*(7E-09, 8E-09)*	**8E-07**	*(5E-07, 1E-06)*
Dairy Farmer	6E-07	*(4E-07, 9E-07)*	3E-08	*(1E-08, 8E-08)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(4E-09, 4E-09)*	2E-09	*(1E-09, 3E-09)*	9E-10	*(6E-10, 1E-09)*	**6E-07**	*(4E-07, 1E-06)*
Produce Farmer	1E-09	*(6E-10, 3E-09)*	2E-08	*(7E-09, 5E-08)*	4E-11	*(4E-11, 4E-11)*	2E-10	*(2E-10, 2E-10)*	8E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(8E-09, 6E-08)*
Pork Farmer	3E-08	*(2E-08, 4E-08)*	2E-08	*(1E-08, 5E-08)*	3E-10	*(3E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	2E-09	*(1E-09, 2E-09)*	8E-10	*(8E-10, 8E-10)*	**6E-08**	*(4E-08, 9E-08)*
Total	**3E-05**	***(1E-05, 6E-05)***	**4E-04**	***(3E-04, 4E-04)***	**2E-06**	***(1E-06, 5E-06)***	**4E-05**	***(4E-05, 5E-05)***	**1E-05**	***(1E-05, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 5E-04)***

Table II-D55. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-05	*(8E-06, 4E-05)*	2E-04	*(2E-04, 2E-04)*	1E-06	*(6E-07, 3E-06)*	1E-04	*(1E-04, 1E-04)*	6E-06	*(5E-06, 6E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 4E-04)*
Home Gardener	2E-05	*(7E-06, 4E-05)*	1E-04	*(1E-04, 1E-04)*	8E-07	*(4E-07, 2E-06)*	7E-05	*(7E-05, 8E-05)*	3E-06	*(3E-06, 4E-06)*	8E-06	*(8E-06, 9E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	3E-06	*(2E-06, 7E-06)*	8E-08	*(5E-08, 1E-07)*	2E-09	*(8E-10, 4E-09)*	2E-07	*(2E-07, 2E-07)*	1E-08	*(1E-08, 1E-08)*	1E-08	*(1E-08, 1E-08)*	**4E-06**	*(2E-06, 7E-06)*
Dairy Farmer	1E-06	*(5E-07, 2E-06)*	2E-08	*(9E-09, 6E-08)*	1E-10	*(1E-10, 1E-10)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(9E-10, 2E-09)*	1E-09	*(1E-09, 1E-09)*	**1E-06**	*(6E-07, 2E-06)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	1E-08	*(5E-09, 4E-08)*	3E-11	*(3E-11, 3E-11)*	2E-09	*(8E-10, 6E-09)*	6E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**2E-08**	*(7E-09, 4E-08)*
Pork Farmer	6E-08	*(4E-08, 1E-07)*	2E-08	*(9E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	2E-08	*(2E-08, 2E-08)*	1E-09	*(1E-09, 1E-09)*	1E-09	*(1E-09, 1E-09)*	**1E-07**	*(7E-08, 2E-07)*
Total	**4E-05**	***(2E-05, 8E-05)***	**3E-04**	***(3E-04, 4E-04)***	**2E-06**	***(1E-06, 4E-06)***	**2E-04**	***(2E-04, 2E-04)***	**9E-06**	***(8E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***	**6E-04**	***(5E-04, 6E-04)***
MACT Floor Emissions														
Resident	6E-06	*(3E-06, 1E-05)*	2E-04	*(1E-04, 2E-04)*	1E-06	*(6E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	5E-06	*(3E-06, 1E-05)*	1E-04	*(8E-05, 1E-04)*	7E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(6E-06, 6E-06)*	**1E-04**	*(1E-04, 1E-04)*
Beef Farmer	7E-07	*(4E-07, 1E-06)*	6E-08	*(4E-08, 9E-08)*	2E-09	*(7E-10, 3E-09)*	4E-08	*(4E-08, 5E-08)*	1E-08	*(1E-08, 1E-08)*	6E-09	*(6E-09, 6E-09)*	**9E-07**	*(5E-07, 1E-06)*
Dairy Farmer	3E-07	*(2E-07, 5E-07)*	2E-08	*(9E-09, 6E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	1E-09	*(9E-10, 2E-09)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(2E-07, 6E-07)*
Produce Farmer	7E-10	*(3E-10, 1E-09)*	1E-08	*(5E-09, 4E-08)*	3E-11	*(3E-11, 3E-11)*	2E-10	*(2E-10, 2E-10)*	6E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**1E-08**	*(6E-09, 4E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	2E-08	*(8E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(3E-09, 4E-09)*	1E-09	*(1E-09, 1E-09)*	7E-10	*(7E-10, 7E-10)*	**4E-08**	*(2E-08, 6E-08)*
Total	**1E-05**	***(6E-06, 2E-05)***	**2E-04**	***(2E-04, 3E-04)***	**2E-06**	***(9E-07, 4E-06)***	**3E-05**	***(3E-05, 3E-05)***	**8E-06**	***(7E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 4E-04)***
MACT BTF Emissions														
Resident	3E-06	*(2E-06, 6E-06)*	2E-04	*(1E-04, 2E-04)*	1E-06	*(6E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	3E-06	*(2E-06, 5E-06)*	1E-04	*(8E-05, 1E-04)*	7E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(6E-06, 6E-06)*	**1E-04**	*(1E-04, 1E-04)*
Beef Farmer	3E-07	*(2E-07, 5E-07)*	6E-08	*(4E-08, 9E-08)*	2E-09	*(7E-10, 3E-09)*	4E-08	*(4E-08, 5E-08)*	1E-08	*(1E-08, 1E-08)*	6E-09	*(6E-09, 6E-09)*	**4E-07**	*(3E-07, 6E-07)*
Dairy Farmer	2E-07	*(1E-07, 4E-07)*	2E-08	*(9E-09, 6E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	1E-09	*(9E-10, 2E-09)*	7E-10	*(7E-10, 7E-10)*	**2E-07**	*(1E-07, 4E-07)*
Produce Farmer	6E-10	*(3E-10, 1E-09)*	1E-08	*(5E-09, 4E-08)*	3E-11	*(3E-11, 3E-11)*	2E-10	*(2E-10, 2E-10)*	6E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**1E-08**	*(6E-09, 4E-08)*
Pork Farmer	7E-09	*(5E-09, 1E-08)*	2E-08	*(8E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(3E-09, 4E-09)*	1E-09	*(1E-09, 1E-09)*	7E-10	*(7E-10, 7E-10)*	**3E-08**	*(2E-08, 5E-08)*
Total	**6E-06**	***(4E-06, 1E-05)***	**2E-04**	***(2E-04, 3E-04)***	**2E-06**	***(9E-07, 4E-06)***	**3E-05**	***(3E-05, 3E-05)***	**8E-06**	***(7E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 4E-04)***
MACT Standard Emissions														
Resident	6E-06	*(3E-06, 1E-05)*	2E-04	*(1E-04, 2E-04)*	1E-06	*(6E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-04**	*(2E-04, 2E-04)*
Home Gardener	5E-06	*(3E-06, 1E-05)*	1E-04	*(8E-05, 1E-04)*	7E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(6E-06, 6E-06)*	**1E-04**	*(1E-04, 1E-04)*
Beef Farmer	7E-07	*(4E-07, 1E-06)*	6E-08	*(4E-08, 9E-08)*	2E-09	*(7E-10, 3E-09)*	4E-08	*(4E-08, 5E-08)*	1E-08	*(1E-08, 1E-08)*	6E-09	*(6E-09, 6E-09)*	**9E-07**	*(5E-07, 1E-06)*
Dairy Farmer	3E-07	*(2E-07, 5E-07)*	2E-08	*(9E-09, 6E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(3E-09, 3E-09)*	1E-09	*(9E-10, 2E-09)*	7E-10	*(7E-10, 7E-10)*	**3E-07**	*(2E-07, 6E-07)*
Produce Farmer	7E-10	*(3E-10, 1E-09)*	1E-08	*(5E-09, 4E-08)*	3E-11	*(3E-11, 3E-11)*	2E-10	*(2E-10, 2E-10)*	6E-10	*(3E-10, 2E-09)*	3E-10	*(3E-10, 3E-10)*	**1E-08**	*(6E-09, 4E-08)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	2E-08	*(8E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(3E-09, 4E-09)*	1E-09	*(1E-09, 1E-09)*	7E-10	*(7E-10, 7E-10)*	**4E-08**	*(2E-08, 6E-08)*
Total	**1E-05**	***(6E-06, 2E-05)***	**2E-04**	***(2E-04, 3E-04)***	**2E-06**	***(9E-07, 4E-06)***	**3E-05**	***(3E-05, 3E-05)***	**8E-06**	***(7E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-04**	***(3E-04, 4E-04)***

Table II-D56. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-05	*(6E-06, 3E-05)*	1E-04	*(1E-04, 2E-04)*	9E-07	*(5E-07, 2E-06)*	1E-04	*(1E-04, 1E-04)*	5E-06	*(4E-06, 5E-06)*	1E-05	*(1E-05, 1E-05)*	**3E-04**	*(3E-04, 3E-04)*
Home Gardener	1E-05	*(5E-06, 3E-05)*	9E-05	*(8E-05, 1E-04)*	6E-07	*(3E-07, 1E-06)*	6E-05	*(6E-05, 7E-05)*	3E-06	*(2E-06, 3E-06)*	7E-06	*(7E-06, 7E-06)*	**2E-04**	*(2E-04, 2E-04)*
Beef Farmer	2E-06	*(1E-06, 4E-06)*	6E-08	*(4E-08, 1E-07)*	1E-09	*(7E-10, 3E-09)*	2E-07	*(2E-07, 2E-07)*	8E-09	*(6E-09, 9E-09)*	9E-09	*(9E-09, 9E-09)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	5E-07	*(3E-07, 9E-07)*	2E-08	*(8E-09, 5E-08)*	8E-11	*(8E-11, 8E-11)*	1E-08	*(1E-08, 2E-08)*	1E-09	*(6E-10, 2E-09)*	1E-09	*(1E-09, 1E-09)*	**6E-07**	*(3E-07, 1E-06)*
Produce Farmer	7E-10	*(4E-10, 1E-09)*	1E-08	*(4E-09, 3E-08)*	3E-11	*(3E-11, 3E-11)*	2E-09	*(6E-10, 5E-09)*	5E-10	*(2E-10, 1E-09)*	3E-10	*(3E-10, 3E-10)*	**1E-08**	*(6E-09, 4E-08)*
Pork Farmer	5E-08	*(3E-08, 9E-08)*	2E-08	*(8E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	1E-08	*(1E-08, 1E-08)*	9E-10	*(9E-10, 9E-10)*	9E-10	*(9E-10, 9E-10)*	**8E-08**	*(5E-08, 1E-07)*
Total	**3E-05**	***(1E-05, 6E-05)***	**2E-04**	***(2E-04, 3E-04)***	**2E-06**	***(8E-07, 3E-06)***	**2E-04**	***(2E-04, 2E-04)***	**8E-06**	***(7E-06, 9E-06)***	**2E-05**	***(2E-05, 2E-05)***	**5E-04**	***(4E-04, 5E-04)***
MACT Floor Emissions														
Resident	5E-06	*(2E-06, 1E-05)*	1E-04	*(1E-04, 1E-04)*	8E-07	*(4E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(7E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Home Gardener	4E-06	*(2E-06, 8E-06)*	8E-05	*(6E-05, 9E-05)*	5E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	**1E-04**	*(8E-05, 1E-04)*
Beef Farmer	4E-07	*(2E-07, 7E-07)*	5E-08	*(3E-08, 7E-08)*	1E-09	*(6E-10, 3E-09)*	3E-08	*(3E-08, 3E-08)*	7E-09	*(6E-09, 9E-09)*	4E-09	*(4E-09, 4E-09)*	**5E-07**	*(3E-07, 8E-07)*
Dairy Farmer	2E-07	*(1E-07, 3E-07)*	2E-08	*(7E-09, 5E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(6E-10, 1E-09)*	5E-10	*(5E-10, 5E-10)*	**2E-07**	*(1E-07, 3E-07)*
Produce Farmer	5E-10	*(2E-10, 1E-09)*	1E-08	*(4E-09, 3E-08)*	3E-11	*(3E-11, 3E-11)*	1E-10	*(1E-10, 1E-10)*	5E-10	*(2E-10, 1E-09)*	2E-10	*(2E-10, 2E-10)*	**1E-08**	*(5E-09, 3E-08)*
Pork Farmer	1E-08	*(8E-09, 2E-08)*	1E-08	*(6E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(2E-09, 3E-09)*	9E-10	*(9E-10, 9E-10)*	5E-10	*(5E-10, 5E-10)*	**3E-08**	*(2E-08, 5E-08)*
Total	**9E-06**	***(5E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**1E-06**	***(7E-07, 3E-06)***	**3E-05**	***(3E-05, 3E-05)***	**7E-06**	***(6E-06, 8E-06)***	**1E-05**	***(1E-05, 1E-05)***	**3E-04**	***(2E-04, 3E-04)***
MACT BTF Emissions														
Resident	2E-06	*(1E-06, 4E-06)*	1E-04	*(1E-04, 1E-04)*	8E-07	*(4E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(7E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Home Gardener	2E-06	*(1E-06, 4E-06)*	8E-05	*(6E-05, 9E-05)*	5E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	**1E-04**	*(8E-05, 1E-04)*
Beef Farmer	2E-07	*(1E-07, 3E-07)*	5E-08	*(3E-08, 7E-08)*	1E-09	*(6E-10, 3E-09)*	3E-08	*(3E-08, 3E-08)*	7E-09	*(6E-09, 9E-09)*	4E-09	*(4E-09, 4E-09)*	**3E-07**	*(2E-07, 4E-07)*
Dairy Farmer	1E-07	*(7E-08, 2E-07)*	2E-08	*(7E-09, 5E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(6E-10, 1E-09)*	5E-10	*(5E-10, 5E-10)*	**1E-07**	*(8E-08, 3E-07)*
Produce Farmer	5E-10	*(2E-10, 1E-09)*	1E-08	*(4E-09, 3E-08)*	3E-11	*(3E-11, 3E-11)*	1E-10	*(1E-10, 1E-10)*	5E-10	*(2E-10, 1E-09)*	2E-10	*(2E-10, 2E-10)*	**1E-08**	*(5E-09, 3E-08)*
Pork Farmer	6E-09	*(4E-09, 9E-09)*	1E-08	*(6E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(2E-09, 3E-09)*	9E-10	*(9E-10, 9E-10)*	5E-10	*(5E-10, 5E-10)*	**3E-08**	*(1E-08, 5E-08)*
Total	**5E-06**	***(3E-06, 8E-06)***	**2E-04**	***(2E-04, 2E-04)***	**1E-06**	***(7E-07, 3E-06)***	**3E-05**	***(3E-05, 3E-05)***	**7E-06**	***(6E-06, 8E-06)***	**1E-05**	***(1E-05, 1E-05)***	**3E-04**	***(2E-04, 3E-04)***
MACT Standard Emissions														
Resident	5E-06	*(2E-06, 1E-05)*	1E-04	*(1E-04, 1E-04)*	8E-07	*(4E-07, 2E-06)*	2E-05	*(2E-05, 2E-05)*	4E-06	*(4E-06, 5E-06)*	8E-06	*(7E-06, 8E-06)*	**2E-04**	*(1E-04, 2E-04)*
Home Gardener	4E-06	*(2E-06, 8E-06)*	8E-05	*(6E-05, 9E-05)*	5E-07	*(3E-07, 1E-06)*	1E-05	*(1E-05, 1E-05)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	**1E-04**	*(8E-05, 1E-04)*
Beef Farmer	4E-07	*(2E-07, 7E-07)*	5E-08	*(3E-08, 7E-08)*	1E-09	*(6E-10, 3E-09)*	3E-08	*(3E-08, 3E-08)*	7E-09	*(6E-09, 9E-09)*	4E-09	*(4E-09, 4E-09)*	**5E-07**	*(3E-07, 8E-07)*
Dairy Farmer	2E-07	*(1E-07, 3E-07)*	2E-08	*(7E-09, 5E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(2E-09, 2E-09)*	1E-09	*(6E-10, 1E-09)*	5E-10	*(5E-10, 5E-10)*	**2E-07**	*(1E-07, 3E-07)*
Produce Farmer	5E-10	*(2E-10, 1E-09)*	1E-08	*(4E-09, 3E-08)*	3E-11	*(3E-11, 3E-11)*	1E-10	*(1E-10, 1E-10)*	5E-10	*(2E-10, 1E-09)*	2E-10	*(2E-10, 2E-10)*	**1E-08**	*(5E-09, 3E-08)*
Pork Farmer	1E-08	*(8E-09, 2E-08)*	1E-08	*(6E-09, 4E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(2E-09, 3E-09)*	9E-10	*(9E-10, 9E-10)*	5E-10	*(5E-10, 5E-10)*	**3E-08**	*(2E-08, 5E-08)*
Total	**9E-06**	***(5E-06, 2E-05)***	**2E-04**	***(2E-04, 2E-04)***	**1E-06**	***(7E-07, 3E-06)***	**3E-05**	***(3E-05, 3E-05)***	**7E-06**	***(6E-06, 8E-06)***	**1E-05**	***(1E-05, 1E-05)***	**3E-04**	***(2E-04, 3E-04)***

Table II-D57. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	6E-05	*(3E-05, 1E-04)*	7E-04	*(6E-04, 8E-04)*	5E-06	*(2E-06, 1E-05)*	4E-04	*(4E-04, 4E-04)*	2E-05	*(2E-05, 3E-05)*	5E-05	*(4E-05, 5E-05)*	**1E-03**	*(1E-03, 1E-03)*
Home Gardener	6E-05	*(3E-05, 1E-04)*	4E-04	*(4E-04, 5E-04)*	3E-06	*(1E-06, 6E-06)*	3E-04	*(2E-04, 3E-04)*	1E-05	*(1E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*	**8E-04**	*(7E-04, 9E-04)*
Beef Farmer	2E-05	*(1E-05, 4E-05)*	4E-07	*(2E-07, 6E-07)*	7E-09	*(4E-09, 2E-08)*	8E-07	*(8E-07, 8E-07)*	4E-08	*(3E-08, 5E-08)*	5E-08	*(4E-08, 5E-08)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	2E-06	*(1E-06, 4E-06)*	1E-07	*(5E-08, 3E-07)*	4E-10	*(4E-10, 4E-10)*	7E-08	*(6E-08, 9E-08)*	5E-09	*(3E-09, 8E-09)*	5E-09	*(4E-09, 7E-09)*	**2E-06**	*(1E-06, 4E-06)*
Produce Farmer	5E-09	*(3E-09, 8E-09)*	8E-08	*(3E-08, 2E-07)*	1E-10	*(1E-10, 1E-10)*	9E-09	*(3E-09, 2E-08)*	3E-09	*(1E-09, 7E-09)*	1E-09	*(7E-10, 3E-09)*	**1E-07**	*(4E-08, 3E-07)*
Pork Farmer	4E-07	*(2E-07, 8E-07)*	1E-07	*(5E-08, 3E-07)*	1E-09	*(6E-10, 2E-09)*	6E-08	*(5E-08, 7E-08)*	5E-09	*(4E-09, 8E-09)*	4E-09	*(4E-09, 6E-09)*	**6E-07**	*(4E-07, 9E-07)*
Total	**1E-04**	***(7E-05, 3E-04)***	**1E-03**	***(9E-04, 1E-03)***	**8E-06**	***(4E-06, 2E-05)***	**7E-04**	***(6E-04, 7E-04)***	**3E-05**	***(3E-05, 4E-05)***	**8E-05**	***(7E-05, 8E-05)***	2E-03	***(2E-03, 2E-03)***
MACT Floor Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	6E-04	*(4E-04, 7E-04)*	4E-06	*(2E-06, 9E-06)*	7E-05	*(7E-05, 8E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*(3E-05, 4E-05)*	**7E-04**	*(6E-04, 9E-04)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	3E-04	*(3E-04, 4E-04)*	3E-06	*(1E-06, 5E-06)*	4E-05	*(4E-05, 5E-05)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(2E-05, 2E-05)*	**4E-04**	*(4E-04, 5E-04)*
Beef Farmer	4E-06	*(2E-06, 8E-06)*	3E-07	*(2E-07, 5E-07)*	7E-09	*(3E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-08	*(3E-08, 5E-08)*	2E-08	*(2E-08, 2E-08)*	**5E-06**	*(3E-06, 8E-06)*
Dairy Farmer	7E-07	*(5E-07, 1E-06)*	1E-07	*(5E-08, 3E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(1E-08, 1E-08)*	5E-09	*(3E-09, 8E-09)*	3E-09	*(2E-09, 4E-09)*	**9E-07**	*(5E-07, 1E-06)*
Produce Farmer	3E-09	*(2E-09, 6E-09)*	8E-08	*(3E-08, 2E-07)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 1E-09)*	3E-09	*(1E-09, 7E-09)*	1E-09	*(4E-10, 3E-09)*	**9E-08**	*(3E-08, 2E-07)*
Pork Farmer	1E-07	*(6E-08, 2E-07)*	1E-07	*(4E-08, 3E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	5E-09	*(4E-09, 7E-09)*	3E-09	*(2E-09, 4E-09)*	**2E-07**	*(1E-07, 4E-07)*
Total	**5E-05**	***(2E-05, 9E-05)***	**9E-04**	***(7E-04, 1E-03)***	**7E-06**	***(4E-06, 1E-05)***	**1E-04**	***(1E-04, 1E-04)***	**3E-05**	***(3E-05, 4E-05)***	**5E-05**	***(5E-05, 6E-05)***	1E-03	***(1E-03, 1E-03)***
MACT BTF Emissions														
Resident	1E-05	*(6E-06, 2E-05)*	6E-04	*(4E-04, 7E-04)*	4E-06	*(2E-06, 9E-06)*	7E-05	*(7E-05, 8E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*(3E-05, 4E-05)*	**7E-04**	*(6E-04, 8E-04)*
Home Gardener	1E-05	*(6E-06, 2E-05)*	3E-04	*(3E-04, 4E-04)*	3E-06	*(1E-06, 5E-06)*	4E-05	*(4E-05, 5E-05)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(2E-05, 2E-05)*	**4E-04**	*(4E-04, 5E-04)*
Beef Farmer	2E-06	*(1E-06, 3E-06)*	3E-07	*(2E-07, 5E-07)*	7E-09	*(3E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-08	*(3E-08, 5E-08)*	2E-08	*(2E-08, 2E-08)*	**2E-06**	*(2E-06, 4E-06)*
Dairy Farmer	5E-07	*(3E-07, 8E-07)*	1E-07	*(5E-08, 3E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(1E-08, 1E-08)*	5E-09	*(3E-09, 8E-09)*	3E-09	*(2E-09, 4E-09)*	**6E-07**	*(3E-07, 1E-06)*
Produce Farmer	3E-09	*(1E-09, 6E-09)*	8E-08	*(3E-08, 2E-07)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 1E-09)*	3E-09	*(1E-09, 7E-09)*	1E-09	*(4E-10, 3E-09)*	**9E-08**	*(3E-08, 2E-07)*
Pork Farmer	5E-08	*(3E-08, 7E-08)*	1E-07	*(4E-08, 3E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	5E-09	*(4E-09, 7E-09)*	3E-09	*(2E-09, 4E-09)*	**2E-07**	*(9E-08, 3E-07)*
Total	**2E-05**	***(1E-05, 4E-05)***	**9E-04**	***(7E-04, 1E-03)***	**7E-06**	***(4E-06, 1E-05)***	**1E-04**	***(1E-04, 1E-04)***	**3E-05**	***(3E-05, 4E-05)***	**5E-05**	***(5E-05, 6E-05)***	1E-03	***(9E-04, 1E-03)***
MACT Standard Emissions														
Resident	2E-05	*(1E-05, 4E-05)*	6E-04	*(4E-04, 7E-04)*	4E-06	*(2E-06, 9E-06)*	7E-05	*(7E-05, 8E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*(3E-05, 4E-05)*	**7E-04**	*(6E-04, 9E-04)*
Home Gardener	2E-05	*(1E-05, 4E-05)*	3E-04	*(3E-04, 4E-04)*	3E-06	*(1E-06, 5E-06)*	4E-05	*(4E-05, 5E-05)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(2E-05, 2E-05)*	**4E-04**	*(4E-04, 5E-04)*
Beef Farmer	4E-06	*(2E-06, 8E-06)*	3E-07	*(2E-07, 5E-07)*	7E-09	*(3E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-08	*(3E-08, 5E-08)*	2E-08	*(2E-08, 2E-08)*	**5E-06**	*(3E-06, 8E-06)*
Dairy Farmer	7E-07	*(5E-07, 1E-06)*	1E-07	*(5E-08, 3E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(1E-08, 1E-08)*	5E-09	*(3E-09, 8E-09)*	3E-09	*(2E-09, 4E-09)*	**9E-07**	*(5E-07, 1E-06)*
Produce Farmer	3E-09	*(2E-09, 6E-09)*	8E-08	*(3E-08, 2E-07)*	1E-10	*(1E-10, 1E-10)*	7E-10	*(3E-10, 1E-09)*	3E-09	*(1E-09, 7E-09)*	1E-09	*(4E-10, 3E-09)*	**9E-08**	*(3E-08, 2E-07)*
Pork Farmer	1E-07	*(6E-08, 2E-07)*	1E-07	*(4E-08, 3E-07)*	1E-09	*(6E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	5E-09	*(4E-09, 7E-09)*	3E-09	*(2E-09, 4E-09)*	**2E-07**	*(1E-07, 4E-07)*
Total	**5E-05**	***(2E-05, 9E-05)***	**9E-04**	***(7E-04, 1E-03)***	**7E-06**	***(4E-06, 1E-05)***	**1E-04**	***(1E-04, 1E-04)***	**3E-05**	***(3E-05, 4E-05)***	**5E-05**	***(5E-05, 6E-05)***	1E-03	***(1E-03, 1E-03)***

Table II-D58. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	8E-05	*(3E-05, 2E-04)*	6E-03	*(4E-03, 1E-02)*	5E-05	*(2E-05, 9E-05)*	2E-03	*(9E-04, 3E-03)*	4E-03	*(2E-03, 8E-03)*	1E-04	*(6E-05, 2E-04)*	**1E-02**	*(7E-03, 2E-02)*
Home Gardener	6E-05	*(2E-05, 1E-04)*	4E-03	*(2E-03, 6E-03)*	3E-05	*(1E-05, 6E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	7E-05	*(4E-05, 1E-04)*	**7E-03**	*(4E-03, 1E-02)*
Beef Farmer	7E-07	*(3E-07, 2E-06)*	1E-05	*(7E-06, 3E-05)*	5E-08	*(3E-08, 1E-07)*	6E-06	*(3E-06, 1E-05)*	3E-06	*(1E-06, 7E-06)*	7E-08	*(4E-08, 1E-07)*	**2E-05**	*(1E-05, 5E-05)*
Dairy Farmer	1E-06	*(8E-07, 2E-06)*	1E-06	*(6E-07, 3E-06)*	1E-08	*(4E-09, 3E-08)*	4E-07	*(2E-07, 8E-07)*	3E-07	*(2E-07, 5E-07)*	9E-09	*(6E-09, 1E-08)*	**3E-06**	*(2E-06, 6E-06)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	7E-07	*(2E-07, 2E-06)*	8E-09	*(3E-09, 2E-08)*	8E-08	*(4E-08, 2E-07)*	1E-06	*(4E-07, 4E-06)*	1E-08	*(7E-09, 3E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	4E-08	*(2E-08, 6E-08)*	1E-06	*(6E-07, 2E-06)*	2E-08	*(9E-09, 6E-08)*	5E-07	*(3E-07, 9E-07)*	5E-07	*(3E-07, 9E-07)*	2E-08	*(1E-08, 4E-08)*	**2E-06**	*(1E-06, 4E-06)*
Total	**1E-04**	***(6E-05, 3E-04)***	**1E-02**	***(6E-03, 2E-02)***	**8E-05**	***(4E-05, 1E-04)***	**3E-03**	***(1E-03, 5E-03)***	**6E-03**	***(3E-03, 1E-02)***	**2E-04**	***(1E-04, 3E-04)***	**2E-02**	***(1E-02, 3E-02)***
MACT Floor Emissions														
Resident	8E-05	*(3E-05, 2E-04)*	8E-04	*(4E-04, 1E-03)*	2E-05	*(8E-06, 3E-05)*	6E-05	*(4E-05, 1E-04)*	7E-04	*(3E-04, 2E-03)*	3E-05	*(2E-05, 7E-05)*	**2E-03**	*(1E-03, 3E-03)*
Home Gardener	6E-05	*(2E-05, 1E-04)*	5E-04	*(2E-04, 9E-04)*	1E-05	*(5E-06, 2E-05)*	4E-05	*(2E-05, 6E-05)*	4E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**1E-03**	*(6E-04, 2E-03)*
Beef Farmer	7E-07	*(3E-07, 2E-06)*	2E-06	*(6E-07, 4E-06)*	1E-08	*(6E-09, 3E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(9E-09, 4E-08)*	**3E-06**	*(1E-06, 6E-06)*
Dairy Farmer	1E-06	*(8E-07, 2E-06)*	2E-07	*(9E-08, 5E-07)*	5E-09	*(2E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	8E-08	*(5E-08, 1E-07)*	2E-09	*(1E-09, 4E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	2E-07	*(6E-08, 5E-07)*	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 4E-08)*	3E-07	*(1E-07, 8E-07)*	5E-09	*(2E-09, 1E-08)*	**5E-07**	*(3E-07, 1E-06)*
Pork Farmer	4E-08	*(2E-08, 6E-08)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	1E-07	*(9E-08, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**5E-07**	*(3E-07, 7E-07)*
Total	**1E-04**	***(6E-05, 3E-04)***	**1E-03**	***(6E-04, 2E-03)***	**3E-05**	***(1E-05, 5E-05)***	**1E-04**	***(7E-05, 2E-04)***	**1E-03**	***(5E-04, 3E-03)***	**5E-05**	***(3E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***
MACT BTF Emissions														
Resident	5E-05	*(2E-05, 1E-04)*	8E-04	*(4E-04, 1E-03)*	2E-05	*(8E-06, 3E-05)*	6E-05	*(4E-05, 1E-04)*	7E-04	*(3E-04, 2E-03)*	3E-05	*(2E-05, 7E-05)*	**2E-03**	*(1E-03, 3E-03)*
Home Gardener	4E-05	*(2E-05, 8E-05)*	5E-04	*(2E-04, 9E-04)*	1E-05	*(5E-06, 2E-05)*	4E-05	*(2E-05, 6E-05)*	4E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**1E-03**	*(6E-04, 2E-03)*
Beef Farmer	5E-07	*(2E-07, 1E-06)*	2E-06	*(6E-07, 4E-06)*	1E-08	*(6E-09, 3E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(9E-09, 4E-08)*	**3E-06**	*(1E-06, 6E-06)*
Dairy Farmer	1E-06	*(6E-07, 2E-06)*	2E-07	*(9E-08, 5E-07)*	5E-09	*(2E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	8E-08	*(5E-08, 1E-07)*	2E-09	*(1E-09, 4E-09)*	**1E-06**	*(8E-07, 2E-06)*
Produce Farmer	2E-08	*(1E-08, 5E-08)*	2E-07	*(6E-08, 5E-07)*	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 4E-08)*	3E-07	*(1E-07, 8E-07)*	5E-09	*(2E-09, 1E-08)*	**5E-07**	*(3E-07, 1E-06)*
Pork Farmer	3E-08	*(2E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	1E-07	*(9E-08, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**4E-07**	*(3E-07, 7E-07)*
Total	**9E-05**	***(4E-05, 2E-04)***	**1E-03**	***(6E-04, 2E-03)***	**3E-05**	***(1E-05, 5E-05)***	**1E-04**	***(7E-05, 2E-04)***	**1E-03**	***(5E-04, 3E-03)***	**5E-05**	***(3E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***
MACT Standard Emissions														
Resident	8E-05	*(3E-05, 2E-04)*	8E-04	*(4E-04, 1E-03)*	2E-05	*(8E-06, 3E-05)*	6E-05	*(4E-05, 1E-04)*	7E-04	*(3E-04, 2E-03)*	3E-05	*(2E-05, 7E-05)*	**2E-03**	*(1E-03, 3E-03)*
Home Gardener	6E-05	*(2E-05, 1E-04)*	5E-04	*(2E-04, 9E-04)*	1E-05	*(5E-06, 2E-05)*	4E-05	*(2E-05, 6E-05)*	4E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 4E-05)*	**1E-03**	*(6E-04, 2E-03)*
Beef Farmer	7E-07	*(3E-07, 2E-06)*	2E-06	*(6E-07, 4E-06)*	1E-08	*(6E-09, 3E-08)*	2E-07	*(1E-07, 4E-07)*	3E-07	*(2E-07, 4E-07)*	2E-08	*(9E-09, 4E-08)*	**3E-06**	*(1E-06, 6E-06)*
Dairy Farmer	1E-06	*(8E-07, 2E-06)*	2E-07	*(9E-08, 5E-07)*	5E-09	*(2E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	8E-08	*(5E-08, 1E-07)*	2E-09	*(1E-09, 4E-09)*	**2E-06**	*(1E-06, 3E-06)*
Produce Farmer	3E-08	*(1E-08, 6E-08)*	2E-07	*(6E-08, 5E-07)*	2E-09	*(9E-10, 5E-09)*	2E-08	*(9E-09, 4E-08)*	3E-07	*(1E-07, 8E-07)*	5E-09	*(2E-09, 1E-08)*	**5E-07**	*(3E-07, 1E-06)*
Pork Farmer	4E-08	*(2E-08, 6E-08)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(4E-09, 3E-08)*	7E-08	*(3E-08, 2E-07)*	1E-07	*(9E-08, 3E-07)*	5E-09	*(3E-09, 1E-08)*	**5E-07**	*(3E-07, 7E-07)*
Total	**1E-04**	***(6E-05, 3E-04)***	**1E-03**	***(6E-04, 2E-03)***	**3E-05**	***(1E-05, 5E-05)***	**1E-04**	***(7E-05, 2E-04)***	**1E-03**	***(5E-04, 3E-03)***	**5E-05**	***(3E-05, 1E-04)***	**3E-03**	***(2E-03, 5E-03)***

Table II-D59. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-05	*(1E-05, 5E-05)*	4E-03	*(2E-03, 6E-03)*	4E-05	*(2E-05, 7E-05)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(1E-03, 6E-03)*	8E-05	*(4E-05, 1E-04)*	**8E-03**	*(5E-03, 1E-02)*
Home Gardener	2E-05	*(9E-06, 4E-05)*	2E-03	*(1E-03, 4E-03)*	2E-05	*(1E-05, 4E-05)*	8E-04	*(4E-04, 2E-03)*	2E-03	*(7E-04, 4E-03)*	5E-05	*(3E-05, 8E-05)*	**5E-03**	*(3E-03, 8E-03)*
Beef Farmer	8E-07	*(3E-07, 2E-06)*	1E-05	*(5E-06, 3E-05)*	4E-08	*(2E-08, 9E-08)*	5E-06	*(2E-06, 1E-05)*	3E-06	*(1E-06, 6E-06)*	6E-08	*(3E-08, 1E-07)*	**2E-05**	*(1E-05, 4E-05)*
Dairy Farmer	7E-07	*(4E-07, 1E-06)*	9E-07	*(4E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	3E-07	*(2E-07, 7E-07)*	3E-07	*(2E-07, 4E-07)*	8E-09	*(5E-09, 1E-08)*	**2E-06**	*(1E-06, 4E-06)*
Produce Farmer	1E-08	*(6E-09, 3E-08)*	4E-07	*(1E-07, 1E-06)*	7E-09	*(2E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(3E-07, 3E-06)*	1E-08	*(5E-09, 2E-08)*	**1E-06**	*(6E-07, 3E-06)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	9E-07	*(5E-07, 2E-06)*	2E-08	*(7E-09, 5E-08)*	5E-07	*(2E-07, 9E-07)*	5E-07	*(3E-07, 7E-07)*	2E-08	*(9E-09, 4E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**4E-05**	***(2E-05, 9E-05)***	**6E-03**	***(4E-03, 1E-02)***	**6E-05**	***(3E-05, 1E-04)***	**2E-03**	***(1E-03, 4E-03)***	**4E-03**	***(2E-03, 1E-02)***	**1E-04**	***(7E-05, 2E-04)***	**1E-02**	***(8E-03, 2E-02)***
MACT Floor Emissions														
Resident	2E-05	*(1E-05, 5E-05)*	4E-04	*(2E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	4E-05	*(3E-05, 7E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 5E-05)*	**1E-03**	*(6E-04, 2E-03)*
Home Gardener	2E-05	*(9E-06, 4E-05)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	3E-04	*(1E-04, 8E-04)*	1E-05	*(7E-06, 3E-05)*	**6E-04**	*(4E-04, 1E-03)*
Beef Farmer	8E-07	*(3E-07, 2E-06)*	9E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(9E-08, 3E-07)*	2E-07	*(2E-07, 4E-07)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	7E-07	*(4E-07, 1E-06)*	1E-07	*(5E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(4E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**9E-07**	*(5E-07, 1E-06)*
Produce Farmer	1E-08	*(6E-09, 3E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(7E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 7E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(7E-08, 2E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 9E-09)*	**3E-07**	*(2E-07, 6E-07)*
Total	**4E-05**	***(2E-05, 9E-05)***	**6E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**7E-05**	***(5E-05, 1E-04)***	**9E-04**	***(4E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***
MACT BTF Emissions														
Resident	2E-05	*(8E-06, 3E-05)*	4E-04	*(2E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	4E-05	*(3E-05, 7E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 5E-05)*	**1E-03**	*(6E-04, 2E-03)*
Home Gardener	1E-05	*(7E-06, 3E-05)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	3E-04	*(1E-04, 8E-04)*	1E-05	*(7E-06, 3E-05)*	**6E-04**	*(4E-04, 1E-03)*
Beef Farmer	6E-07	*(3E-07, 1E-06)*	9E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(9E-08, 3E-07)*	2E-07	*(2E-07, 4E-07)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	5E-07	*(3E-07, 9E-07)*	1E-07	*(5E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(4E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**7E-07**	*(4E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(7E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 7E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(7E-08, 2E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 9E-09)*	**3E-07**	*(2E-07, 6E-07)*
Total	**3E-05**	***(2E-05, 6E-05)***	**6E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**7E-05**	***(5E-05, 1E-04)***	**9E-04**	***(4E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**2E-03**	***(9E-04, 3E-03)***
MACT Standard Emissions														
Resident	2E-05	*(1E-05, 5E-05)*	4E-04	*(2E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	4E-05	*(3E-05, 7E-05)*	5E-04	*(2E-04, 1E-03)*	2E-05	*(1E-05, 5E-05)*	**1E-03**	*(6E-04, 2E-03)*
Home Gardener	2E-05	*(9E-06, 4E-05)*	2E-04	*(1E-04, 4E-04)*	8E-06	*(4E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	3E-04	*(1E-04, 8E-04)*	1E-05	*(7E-06, 3E-05)*	**6E-04**	*(4E-04, 1E-03)*
Beef Farmer	8E-07	*(3E-07, 2E-06)*	9E-07	*(4E-07, 2E-06)*	1E-08	*(5E-09, 2E-08)*	2E-07	*(9E-08, 3E-07)*	2E-07	*(2E-07, 4E-07)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	7E-07	*(4E-07, 1E-06)*	1E-07	*(5E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*(4E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**9E-07**	*(5E-07, 1E-06)*
Produce Farmer	1E-08	*(6E-09, 3E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(7E-10, 4E-09)*	1E-08	*(7E-09, 3E-08)*	2E-07	*(1E-07, 6E-07)*	4E-09	*(2E-09, 8E-09)*	**3E-07**	*(2E-07, 7E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(7E-08, 2E-07)*	1E-08	*(3E-09, 3E-08)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-09	*(2E-09, 9E-09)*	**3E-07**	*(2E-07, 6E-07)*
Total	**4E-05**	***(2E-05, 9E-05)***	**6E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	**7E-05**	***(5E-05, 1E-04)***	**9E-04**	***(4E-04, 2E-03)***	**4E-05**	***(2E-05, 7E-05)***	**2E-03**	***(1E-03, 3E-03)***

Table II-D60. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-05	*(8E-06, 4E-05)*	3E-03	*(2E-03, 5E-03)*	3E-05	*(2E-05, 6E-05)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(9E-04, 5E-03)*	6E-05	*(3E-05, 1E-04)*	**6E-03**	*(4E-03, 1E-02)*
Home Gardener	1E-05	*(7E-06, 3E-05)*	2E-03	*(1E-03, 3E-03)*	2E-05	*(9E-06, 3E-05)*	7E-04	*(3E-04, 1E-03)*	1E-03	*(6E-04, 3E-03)*	4E-05	*(2E-05, 7E-05)*	**4E-03**	*(2E-03, 6E-03)*
Beef Farmer	5E-07	*(2E-07, 1E-06)*	9E-06	*(4E-06, 2E-05)*	3E-08	*(2E-08, 6E-08)*	4E-06	*(2E-06, 9E-06)*	2E-06	*(8E-07, 4E-06)*	5E-08	*(2E-08, 9E-08)*	**2E-05**	*(7E-06, 3E-05)*
Dairy Farmer	4E-07	*(2E-07, 8E-07)*	7E-07	*(3E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	3E-07	*(1E-07, 6E-07)*	2E-07	*(1E-07, 3E-07)*	6E-09	*(4E-09, 9E-09)*	**2E-06**	*(9E-07, 3E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	3E-07	*(9E-08, 8E-07)*	6E-09	*(2E-09, 2E-08)*	5E-08	*(3E-08, 1E-07)*	8E-07	*(3E-07, 2E-06)*	8E-09	*(4E-09, 2E-08)*	**1E-06**	*(5E-07, 3E-06)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	6E-07	*(3E-07, 1E-06)*	1E-08	*(6E-09, 4E-08)*	4E-07	*(2E-07, 6E-07)*	4E-07	*(2E-07, 6E-07)*	1E-08	*(7E-09, 3E-08)*	**1E-06**	*(9E-07, 2E-06)*
Total	**3E-05**	***(2E-05, 7E-05)***	**5E-03**	***(3E-03, 8E-03)***	**5E-05**	***(2E-05, 9E-05)***	**2E-03**	***(9E-04, 3E-03)***	**3E-03**	***(2E-03, 8E-03)***	**1E-04**	***(6E-05, 2E-04)***	**1E-02**	***(6E-03, 2E-02)***
MACT Floor Emissions														
Resident	2E-05	*(8E-06, 4E-05)*	3E-04	*(2E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*	4E-04	*(2E-04, 1E-03)*	2E-05	*(9E-06, 4E-05)*	**8E-04**	*(5E-04, 1E-03)*
Home Gardener	1E-05	*(7E-06, 3E-05)*	2E-04	*(1E-04, 4E-04)*	6E-06	*(3E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	3E-04	*(1E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	**5E-04**	*(3E-04, 9E-04)*
Beef Farmer	5E-07	*(2E-07, 1E-06)*	8E-07	*(3E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(6E-09, 2E-08)*	**2E-06**	*(8E-07, 3E-06)*
Dairy Farmer	4E-07	*(2E-07, 8E-07)*	8E-08	*(4E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	5E-08	*(3E-08, 9E-08)*	1E-09	*(9E-10, 2E-09)*	**6E-07**	*(3E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(6E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(1E-09, 6E-09)*	**3E-07**	*(1E-07, 6E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(5E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	3E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**3E-05**	***(2E-05, 7E-05)***	**5E-04**	***(3E-04, 9E-04)***	**2E-05**	***(8E-06, 3E-05)***	**6E-05**	***(4E-05, 9E-05)***	**7E-04**	***(3E-04, 2E-03)***	**3E-05**	***(1E-05, 6E-05)***	**1E-03**	***(8E-04, 2E-03)***
MACT BTF Emissions														
Resident	1E-05	*(6E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*	4E-04	*(2E-04, 1E-03)*	2E-05	*(9E-06, 4E-05)*	**8E-04**	*(5E-04, 1E-03)*
Home Gardener	1E-05	*(5E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	6E-06	*(3E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	3E-04	*(1E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	**5E-04**	*(3E-04, 9E-04)*
Beef Farmer	4E-07	*(2E-07, 1E-06)*	8E-07	*(3E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(6E-09, 2E-08)*	**2E-06**	*(7E-07, 3E-06)*
Dairy Farmer	3E-07	*(2E-07, 6E-07)*	8E-08	*(4E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	5E-08	*(3E-08, 9E-08)*	1E-09	*(9E-10, 2E-09)*	**5E-07**	*(3E-07, 9E-07)*
Produce Farmer	8E-09	*(4E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(6E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(1E-09, 6E-09)*	**3E-07**	*(1E-07, 6E-07)*
Pork Farmer	1E-08	*(9E-09, 2E-08)*	1E-07	*(5E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	3E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**2E-05**	***(1E-05, 4E-05)***	**5E-04**	***(3E-04, 9E-04)***	**2E-05**	***(8E-06, 3E-05)***	**6E-05**	***(4E-05, 9E-05)***	**7E-04**	***(3E-04, 2E-03)***	**3E-05**	***(1E-05, 6E-05)***	**1E-03**	***(8E-04, 2E-03)***
MACT Standard Emissions														
Resident	2E-05	*(8E-06, 4E-05)*	3E-04	*(2E-04, 6E-04)*	1E-05	*(5E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*	4E-04	*(2E-04, 1E-03)*	2E-05	*(9E-06, 4E-05)*	**8E-04**	*(5E-04, 1E-03)*
Home Gardener	1E-05	*(7E-06, 3E-05)*	2E-04	*(1E-04, 4E-04)*	6E-06	*(3E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	3E-04	*(1E-04, 6E-04)*	1E-05	*(6E-06, 2E-05)*	**5E-04**	*(3E-04, 9E-04)*
Beef Farmer	5E-07	*(2E-07, 1E-06)*	8E-07	*(3E-07, 2E-06)*	9E-09	*(4E-09, 2E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	1E-08	*(6E-09, 2E-08)*	**2E-06**	*(8E-07, 3E-06)*
Dairy Farmer	4E-07	*(2E-07, 8E-07)*	8E-08	*(4E-08, 2E-07)*	4E-09	*(1E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	5E-08	*(3E-08, 9E-08)*	1E-09	*(9E-10, 2E-09)*	**6E-07**	*(3E-07, 1E-06)*
Produce Farmer	1E-08	*(5E-09, 2E-08)*	6E-08	*(2E-08, 2E-07)*	2E-09	*(6E-10, 4E-09)*	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 5E-07)*	3E-09	*(1E-09, 6E-09)*	**3E-07**	*(1E-07, 6E-07)*
Pork Farmer	2E-08	*(1E-08, 3E-08)*	1E-07	*(5E-08, 2E-07)*	8E-09	*(3E-09, 2E-08)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	3E-09	*(2E-09, 7E-09)*	**3E-07**	*(2E-07, 5E-07)*
Total	**3E-05**	***(2E-05, 7E-05)***	**5E-04**	***(3E-04, 9E-04)***	**2E-05**	***(8E-06, 3E-05)***	**6E-05**	***(4E-05, 9E-05)***	**7E-04**	***(3E-04, 2E-03)***	**3E-05**	***(1E-05, 6E-05)***	**1E-03**	***(8E-04, 2E-03)***

Table II-D61. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	8E-05	*(4E-05, 2E-04)*	2E-02	*(1E-02, 3E-02)*	2E-04	*(8E-05, 3E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(5E-03, 3E-02)*	4E-04	*(2E-04, 6E-04)*	**4E-02**	*(2E-02, 6E-02)*
Home Gardener	8E-05	*(4E-05, 2E-04)*	1E-02	*(7E-03, 2E-02)*	9E-05	*(5E-05, 2E-04)*	3E-03	*(2E-03, 6E-03)*	7E-03	*(3E-03, 2E-02)*	2E-04	*(1E-04, 4E-04)*	**2E-02**	*(1E-02, 4E-02)*
Beef Farmer	6E-06	*(2E-06, 1E-05)*	9E-05	*(3E-05, 2E-04)*	2E-07	*(8E-08, 3E-07)*	2E-05	*(1E-05, 5E-05)*	9E-06	*(4E-06, 2E-05)*	2E-07	*(1E-07, 4E-07)*	**1E-04**	*(5E-05, 3E-04)*
Dairy Farmer	2E-06	*(9E-07, 3E-06)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(1E-08, 9E-08)*	2E-06	*(7E-07, 3E-06)*	1E-06	*(6E-07, 2E-06)*	3E-08	*(2E-08, 5E-08)*	**1E-05**	*(6E-06, 3E-05)*
Produce Farmer	6E-08	*(3E-08, 1E-07)*	3E-06	*(1E-06, 8E-06)*	3E-08	*(1E-08, 8E-08)*	3E-07	*(1E-07, 5E-07)*	4E-06	*(1E-06, 1E-05)*	5E-08	*(2E-08, 1E-07)*	**7E-06**	*(4E-06, 2E-05)*
Pork Farmer	1E-07	*(7E-08, 2E-07)*	6E-06	*(3E-06, 1E-05)*	7E-08	*(3E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	2E-06	*(1E-06, 3E-06)*	7E-08	*(3E-08, 1E-07)*	**1E-05**	*(5E-06, 2E-05)*
Total	**2E-04**	***(8E-05, 4E-04)***	**3E-02**	***(2E-02, 6E-02)***	**2E-04**	***(1E-04, 5E-04)***	**9E-03**	***(5E-03, 2E-02)***	**2E-02**	***(8E-03, 4E-02)***	**6E-04**	***(3E-04, 1E-03)***	**6E-02**	***(4E-02, 1E-01)***
MACT Floor Emissions														
Resident	8E-05	*(4E-05, 2E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 5E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Home Gardener	8E-05	*(4E-05, 2E-04)*	2E-03	*(9E-04, 3E-03)*	3E-05	*(2E-05, 6E-05)*	1E-04	*(8E-05, 2E-04)*	1E-03	*(7E-04, 3E-03)*	6E-05	*(3E-05, 1E-04)*	**3E-03**	*(2E-03, 6E-03)*
Beef Farmer	6E-06	*(2E-06, 1E-05)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(2E-08, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	6E-08	*(3E-08, 1E-07)*	**2E-05**	*(6E-06, 4E-05)*
Dairy Farmer	2E-06	*(9E-07, 3E-06)*	1E-06	*(4E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	7E-08	*(4E-08, 1E-07)*	3E-07	*(2E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**3E-06**	*(2E-06, 6E-06)*
Produce Farmer	6E-08	*(3E-08, 1E-07)*	6E-07	*(2E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(8E-09, 4E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	1E-07	*(7E-08, 2E-07)*	8E-07	*(4E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(9E-08, 5E-07)*	5E-07	*(3E-07, 8E-07)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**2E-04**	***(8E-05, 4E-04)***	**4E-03**	***(2E-03, 8E-03)***	**8E-05**	***(4E-05, 2E-04)***	**3E-04**	***(2E-04, 5E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(8E-05, 3E-04)***	**9E-03**	***(5E-03, 2E-02)***
MACT BTF Emissions														
Resident	6E-05	*(3E-05, 1E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 5E-03)*	1E-04	*(5E-05, 2E-04)*	**5E-03**	*(3E-03, 9E-03)*
Home Gardener	6E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 3E-03)*	3E-05	*(2E-05, 6E-05)*	1E-04	*(8E-05, 2E-04)*	1E-03	*(7E-04, 3E-03)*	6E-05	*(3E-05, 1E-04)*	**3E-03**	*(2E-03, 6E-03)*
Beef Farmer	4E-06	*(2E-06, 1E-05)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(2E-08, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	6E-08	*(3E-08, 1E-07)*	**1E-05**	*(6E-06, 3E-05)*
Dairy Farmer	1E-06	*(7E-07, 3E-06)*	1E-06	*(4E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	7E-08	*(4E-08, 1E-07)*	3E-07	*(2E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**3E-06**	*(1E-06, 5E-06)*
Produce Farmer	5E-08	*(2E-08, 1E-07)*	6E-07	*(2E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(8E-09, 4E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	1E-07	*(6E-08, 2E-07)*	8E-07	*(4E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(9E-08, 5E-07)*	5E-07	*(3E-07, 8E-07)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**1E-04**	***(6E-05, 2E-04)***	**4E-03**	***(2E-03, 8E-03)***	**8E-05**	***(4E-05, 2E-04)***	**3E-04**	***(2E-04, 5E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(8E-05, 3E-04)***	**9E-03**	***(5E-03, 2E-02)***
MACT Standard Emissions														
Resident	8E-05	*(4E-05, 2E-04)*	3E-03	*(1E-03, 5E-03)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 5E-03)*	1E-04	*(5E-05, 2E-04)*	**6E-03**	*(3E-03, 1E-02)*
Home Gardener	8E-05	*(4E-05, 2E-04)*	2E-03	*(9E-04, 3E-03)*	3E-05	*(2E-05, 6E-05)*	1E-04	*(8E-05, 2E-04)*	1E-03	*(7E-04, 3E-03)*	6E-05	*(3E-05, 1E-04)*	**3E-03**	*(2E-03, 6E-03)*
Beef Farmer	6E-06	*(2E-06, 1E-05)*	8E-06	*(3E-06, 2E-05)*	4E-08	*(2E-08, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	6E-08	*(3E-08, 1E-07)*	**2E-05**	*(6E-06, 4E-05)*
Dairy Farmer	2E-06	*(9E-07, 3E-06)*	1E-06	*(4E-07, 2E-06)*	2E-08	*(6E-09, 5E-08)*	7E-08	*(4E-08, 1E-07)*	3E-07	*(2E-07, 5E-07)*	8E-09	*(5E-09, 1E-08)*	**3E-06**	*(2E-06, 6E-06)*
Produce Farmer	6E-08	*(3E-08, 1E-07)*	6E-07	*(2E-07, 2E-06)*	7E-09	*(3E-09, 2E-08)*	6E-08	*(3E-08, 1E-07)*	1E-06	*(4E-07, 3E-06)*	2E-08	*(8E-09, 4E-08)*	**2E-06**	*(9E-07, 4E-06)*
Pork Farmer	1E-07	*(7E-08, 2E-07)*	8E-07	*(4E-07, 2E-06)*	4E-08	*(1E-08, 1E-07)*	2E-07	*(9E-08, 5E-07)*	5E-07	*(3E-07, 8E-07)*	2E-08	*(8E-09, 3E-08)*	**2E-06**	*(1E-06, 3E-06)*
Total	**2E-04**	***(8E-05, 4E-04)***	**4E-03**	***(2E-03, 8E-03)***	**8E-05**	***(4E-05, 2E-04)***	**3E-04**	***(2E-04, 5E-04)***	**4E-03**	***(2E-03, 9E-03)***	**2E-04**	***(8E-05, 3E-04)***	**9E-03**	***(5E-03, 2E-02)***

Table II-D62. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (0-5) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (0-5)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	1E-05	*(4E-06, 2E-05)*	3E-04	*(1E-04, 6E-04)*	1E-06	*(5E-07, 3E-06)*	1E-05	*(7E-06, 2E-05)*	2E-04	*(8E-05, 3E-04)*	7E-06	*(4E-06, 1E-05)*	**5E-04**	*(2E-04, 9E-04)*
Home Gardener	7E-06	*(3E-06, 2E-05)*	2E-04	*(8E-05, 4E-04)*	8E-07	*(3E-07, 2E-06)*	8E-06	*(4E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	5E-06	*(2E-06, 9E-06)*	**3E-04**	*(2E-04, 5E-04)*
Beef Farmer	2E-07	*(9E-08, 4E-07)*	1E-07	*(6E-08, 2E-07)*	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	6E-08	*(3E-08, 1E-07)*	1E-09	*(8E-10, 3E-09)*	**4E-07**	*(2E-07, 7E-07)*
Dairy Farmer	1E-07	*(7E-08, 3E-07)*	2E-08	*(7E-09, 4E-08)*	8E-11	*(8E-11, 8E-11)*	7E-10	*(4E-10, 1E-09)*	7E-09	*(3E-09, 2E-08)*	3E-10	*(3E-10, 3E-10)*	**2E-07**	*(9E-08, 3E-07)*
Produce Farmer	4E-10	*(4E-10, 4E-10)*	1E-08	*(5E-09, 3E-08)*	6E-11	*(6E-11, 6E-11)*	8E-10	*(3E-10, 2E-09)*	3E-09	*(1E-09, 7E-09)*	5E-10	*(2E-10, 2E-09)*	**2E-08**	*(8E-09, 4E-08)*
Pork Farmer	2E-08	*(1E-08, 5E-08)*	3E-08	*(2E-08, 6E-08)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(2E-09, 8E-09)*	2E-08	*(9E-09, 3E-08)*	5E-10	*(5E-10, 5E-10)*	**8E-08**	*(5E-08, 1E-07)*
Total	**2E-05**	***(7E-06, 4E-05)***	**4E-04**	***(2E-04, 9E-04)***	**2E-06**	***(9E-07, 5E-06)***	**2E-05**	***(1E-05, 4E-05)***	**3E-04**	***(1E-04, 5E-04)***	**1E-05**	***(6E-06, 2E-05)***	**7E-04**	***(4E-04, 1E-03)***
MACT Floor Emissions														
Resident	1E-05	*(4E-06, 2E-05)*	2E-04	*(8E-05, 5E-04)*	1E-06	*(4E-07, 3E-06)*	1E-05	*(7E-06, 2E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(2E-06, 7E-06)*	**3E-04**	*(2E-04, 7E-04)*
Home Gardener	7E-06	*(3E-06, 2E-05)*	1E-04	*(5E-05, 3E-04)*	6E-07	*(2E-07, 2E-06)*	8E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**2E-04**	*(1E-04, 5E-04)*
Beef Farmer	2E-07	*(9E-08, 4E-07)*	7E-08	*(4E-08, 1E-07)*	3E-10	*(3E-10, 3E-10)*	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 1E-07)*	5E-10	*(5E-10, 5E-10)*	**3E-07**	*(2E-07, 6E-07)*
Dairy Farmer	1E-07	*(7E-08, 3E-07)*	8E-09	*(4E-09, 2E-08)*	4E-11	*(4E-11, 4E-11)*	7E-10	*(4E-10, 1E-09)*	5E-09	*(2E-09, 1E-08)*	8E-11	*(8E-11, 8E-11)*	**2E-07**	*(8E-08, 3E-07)*
Produce Farmer	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	3E-11	*(3E-11, 3E-11)*	8E-10	*(3E-10, 2E-09)*	2E-09	*(1E-09, 6E-09)*	4E-10	*(1E-10, 2E-09)*	**1E-08**	*(5E-09, 2E-08)*
Pork Farmer	2E-08	*(1E-08, 5E-08)*	2E-08	*(9E-09, 5E-08)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(2E-09, 8E-09)*	1E-08	*(8E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	**6E-08**	*(4E-08, 1E-07)*
Total	**2E-05**	***(7E-06, 4E-05)***	**3E-04**	***(1E-04, 9E-04)***	**2E-06**	***(6E-07, 4E-06)***	**2E-05**	***(1E-05, 4E-05)***	**2E-04**	***(1E-04, 4E-04)***	**5E-06**	***(3E-06, 1E-05)***	**6E-04**	***(3E-04, 1E-03)***
MACT BTF Emissions														
Resident	1E-05	*(4E-06, 2E-05)*	2E-04	*(8E-05, 5E-04)*	1E-06	*(4E-07, 3E-06)*	1E-05	*(7E-06, 2E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(2E-06, 7E-06)*	**3E-04**	*(2E-04, 7E-04)*
Home Gardener	7E-06	*(3E-06, 2E-05)*	1E-04	*(5E-05, 3E-04)*	6E-07	*(2E-07, 2E-06)*	8E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**2E-04**	*(1E-04, 5E-04)*
Beef Farmer	2E-07	*(9E-08, 4E-07)*	7E-08	*(4E-08, 1E-07)*	3E-10	*(3E-10, 3E-10)*	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 1E-07)*	5E-10	*(5E-10, 5E-10)*	**3E-07**	*(2E-07, 6E-07)*
Dairy Farmer	1E-07	*(7E-08, 3E-07)*	8E-09	*(4E-09, 2E-08)*	4E-11	*(4E-11, 4E-11)*	7E-10	*(4E-10, 1E-09)*	5E-09	*(2E-09, 1E-08)*	8E-11	*(8E-11, 8E-11)*	**2E-07**	*(8E-08, 3E-07)*
Produce Farmer	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	3E-11	*(3E-11, 3E-11)*	8E-10	*(3E-10, 2E-09)*	2E-09	*(1E-09, 6E-09)*	4E-10	*(1E-10, 2E-09)*	**1E-08**	*(5E-09, 2E-08)*
Pork Farmer	2E-08	*(1E-08, 5E-08)*	2E-08	*(9E-09, 5E-08)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(2E-09, 8E-09)*	1E-08	*(8E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	**6E-08**	*(3E-08, 1E-07)*
Total	**2E-05**	***(7E-06, 4E-05)***	**3E-04**	***(1E-04, 9E-04)***	**2E-06**	***(6E-07, 4E-06)***	**2E-05**	***(1E-05, 4E-05)***	**2E-04**	***(1E-04, 4E-04)***	**5E-06**	***(3E-06, 1E-05)***	**6E-04**	***(3E-04, 1E-03)***
MACT Standard Emissions														
Resident	1E-05	*(4E-06, 2E-05)*	2E-04	*(8E-05, 5E-04)*	1E-06	*(4E-07, 3E-06)*	1E-05	*(7E-06, 2E-05)*	1E-04	*(6E-05, 2E-04)*	3E-06	*(2E-06, 7E-06)*	**3E-04**	*(2E-04, 7E-04)*
Home Gardener	7E-06	*(3E-06, 2E-05)*	1E-04	*(5E-05, 3E-04)*	6E-07	*(2E-07, 2E-06)*	8E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**2E-04**	*(1E-04, 5E-04)*
Beef Farmer	2E-07	*(9E-08, 4E-07)*	7E-08	*(4E-08, 1E-07)*	3E-10	*(3E-10, 3E-10)*	6E-09	*(3E-09, 1E-08)*	5E-08	*(2E-08, 1E-07)*	5E-10	*(5E-10, 5E-10)*	**3E-07**	*(2E-07, 6E-07)*
Dairy Farmer	1E-07	*(7E-08, 3E-07)*	8E-09	*(4E-09, 2E-08)*	4E-11	*(4E-11, 4E-11)*	7E-10	*(4E-10, 1E-09)*	5E-09	*(2E-09, 1E-08)*	8E-11	*(8E-11, 8E-11)*	**2E-07**	*(8E-08, 3E-07)*
Produce Farmer	4E-10	*(4E-10, 4E-10)*	6E-09	*(3E-09, 1E-08)*	3E-11	*(3E-11, 3E-11)*	8E-10	*(3E-10, 2E-09)*	2E-09	*(1E-09, 6E-09)*	4E-10	*(1E-10, 2E-09)*	**1E-08**	*(5E-09, 2E-08)*
Pork Farmer	2E-08	*(1E-08, 5E-08)*	2E-08	*(9E-09, 5E-08)*	1E-10	*(1E-10, 1E-10)*	4E-09	*(2E-09, 8E-09)*	1E-08	*(8E-09, 3E-08)*	2E-10	*(2E-10, 2E-10)*	**6E-08**	*(4E-08, 1E-07)*
Total	**2E-05**	***(7E-06, 4E-05)***	**3E-04**	***(1E-04, 9E-04)***	**2E-06**	***(6E-07, 4E-06)***	**2E-05**	***(1E-05, 4E-05)***	**2E-04**	***(1E-04, 4E-04)***	**5E-06**	***(3E-06, 1E-05)***	**6E-04**	***(3E-04, 1E-03)***

Table II-D63. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (6-11) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (6-11)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	4E-06	*(2E-06, 1E-05)*	2E-04	*(8E-05, 3E-04)*	9E-07	*(4E-07, 2E-06)*	9E-06	*(5E-06, 2E-05)*	1E-04	*(6E-05, 2E-04)*	5E-06	*(3E-06, 1E-05)*	**3E-04**	*(2E-04, 5E-04)*
Home Gardener	4E-06	*(2E-06, 8E-06)*	1E-04	*(5E-05, 2E-04)*	5E-07	*(2E-07, 1E-06)*	5E-06	*(3E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	3E-06	*(2E-06, 6E-06)*	**2E-04**	*(1E-04, 3E-04)*
Beef Farmer	2E-07	*(1E-07, 5E-07)*	8E-08	*(4E-08, 1E-07)*	3E-10	*(3E-10, 3E-10)*	5E-09	*(3E-09, 8E-09)*	4E-08	*(2E-08, 1E-07)*	1E-09	*(6E-10, 2E-09)*	**4E-07**	*(2E-07, 6E-07)*
Dairy Farmer	8E-08	*(4E-08, 2E-07)*	1E-08	*(5E-09, 3E-08)*	6E-11	*(6E-11, 6E-11)*	5E-10	*(5E-10, 5E-10)*	5E-09	*(2E-09, 1E-08)*	2E-10	*(2E-10, 2E-10)*	**1E-07**	*(5E-08, 2E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	8E-09	*(3E-09, 2E-08)*	4E-11	*(4E-11, 4E-11)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(1E-09, 5E-09)*	3E-10	*(1E-10, 1E-09)*	**1E-08**	*(5E-09, 2E-08)*
Pork Farmer	1E-08	*(6E-09, 3E-08)*	2E-08	*(1E-08, 4E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(1E-09, 6E-09)*	1E-08	*(7E-09, 3E-08)*	4E-10	*(4E-10, 4E-10)*	**5E-08**	*(3E-08, 8E-08)*
Total	**8E-06**	***(4E-06, 2E-05)***	**3E-04**	***(1E-04, 5E-04)***	**1E-06**	***(6E-07, 3E-06)***	**1E-05**	***(8E-06, 3E-05)***	**2E-04**	***(1E-04, 4E-04)***	**8E-06**	***(4E-06, 2E-05)***	**5E-04**	***(3E-04, 8E-04)***
MACT Floor Emissions														
Resident	4E-06	*(2E-06, 1E-05)*	1E-04	*(5E-05, 3E-04)*	7E-07	*(3E-07, 2E-06)*	8E-06	*(5E-06, 2E-05)*	8E-05	*(4E-05, 2E-04)*	2E-06	*(1E-06, 5E-06)*	**2E-04**	*(1E-04, 4E-04)*
Home Gardener	4E-06	*(2E-06, 8E-06)*	7E-05	*(3E-05, 2E-04)*	4E-07	*(2E-07, 1E-06)*	5E-06	*(3E-06, 1E-05)*	5E-05	*(3E-05, 1E-04)*	1E-06	*(7E-07, 3E-06)*	**1E-04**	*(7E-05, 3E-04)*
Beef Farmer	2E-07	*(1E-07, 5E-07)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	5E-09	*(3E-09, 8E-09)*	4E-08	*(2E-08, 9E-08)*	4E-10	*(4E-10, 4E-10)*	**3E-07**	*(2E-07, 6E-07)*
Dairy Farmer	8E-08	*(4E-08, 2E-07)*	5E-09	*(2E-09, 1E-08)*	3E-11	*(3E-11, 3E-11)*	5E-10	*(5E-10, 5E-10)*	4E-09	*(2E-09, 1E-08)*	6E-11	*(6E-11, 6E-11)*	**9E-08**	*(4E-08, 2E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 9E-09)*	2E-11	*(2E-11, 2E-11)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(7E-10, 4E-09)*	3E-10	*(8E-11, 1E-09)*	**7E-09**	*(3E-09, 1E-08)*
Pork Farmer	1E-08	*(6E-09, 3E-08)*	1E-08	*(6E-09, 3E-08)*	8E-11	*(8E-11, 8E-11)*	3E-09	*(1E-09, 6E-09)*	1E-08	*(6E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	**4E-08**	*(2E-08, 7E-08)*
Total	**8E-06**	***(4E-06, 2E-05)***	**2E-04**	***(8E-05, 4E-04)***	**1E-06**	***(5E-07, 3E-06)***	**1E-05**	***(7E-06, 3E-05)***	**1E-04**	***(7E-05, 3E-04)***	**4E-06**	***(2E-06, 8E-06)***	**3E-04**	***(2E-04, 7E-04)***
MACT BTF Emissions														
Resident	4E-06	*(2E-06, 9E-06)*	1E-04	*(5E-05, 3E-04)*	7E-07	*(3E-07, 2E-06)*	8E-06	*(5E-06, 2E-05)*	8E-05	*(4E-05, 2E-04)*	2E-06	*(1E-06, 5E-06)*	**2E-04**	*(1E-04, 4E-04)*
Home Gardener	3E-06	*(1E-06, 7E-06)*	7E-05	*(3E-05, 2E-04)*	4E-07	*(2E-07, 1E-06)*	5E-06	*(3E-06, 1E-05)*	5E-05	*(3E-05, 1E-04)*	1E-06	*(7E-07, 3E-06)*	**1E-04**	*(7E-05, 3E-04)*
Beef Farmer	2E-07	*(1E-07, 5E-07)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	5E-09	*(3E-09, 8E-09)*	4E-08	*(2E-08, 9E-08)*	4E-10	*(4E-10, 4E-10)*	**3E-07**	*(2E-07, 6E-07)*
Dairy Farmer	8E-08	*(4E-08, 2E-07)*	5E-09	*(2E-09, 1E-08)*	3E-11	*(3E-11, 3E-11)*	5E-10	*(5E-10, 5E-10)*	4E-09	*(2E-09, 1E-08)*	6E-11	*(6E-11, 6E-11)*	**9E-08**	*(4E-08, 2E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 9E-09)*	2E-11	*(2E-11, 2E-11)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(7E-10, 4E-09)*	3E-10	*(8E-11, 1E-09)*	**7E-09**	*(3E-09, 1E-08)*
Pork Farmer	1E-08	*(6E-09, 3E-08)*	1E-08	*(6E-09, 3E-08)*	8E-11	*(8E-11, 8E-11)*	3E-09	*(1E-09, 6E-09)*	1E-08	*(6E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	**4E-08**	*(2E-08, 7E-08)*
Total	**7E-06**	***(3E-06, 2E-05)***	**2E-04**	***(8E-05, 4E-04)***	**1E-06**	***(5E-07, 3E-06)***	**1E-05**	***(7E-06, 3E-05)***	**1E-04**	***(7E-05, 3E-04)***	**4E-06**	***(2E-06, 8E-06)***	**3E-04**	***(2E-04, 7E-04)***
MACT Standard Emissions														
Resident	4E-06	*(2E-06, 1E-05)*	1E-04	*(5E-05, 3E-04)*	7E-07	*(3E-07, 2E-06)*	8E-06	*(5E-06, 2E-05)*	8E-05	*(4E-05, 2E-04)*	2E-06	*(1E-06, 5E-06)*	**2E-04**	*(1E-04, 4E-04)*
Home Gardener	4E-06	*(2E-06, 8E-06)*	7E-05	*(3E-05, 2E-04)*	4E-07	*(2E-07, 1E-06)*	5E-06	*(3E-06, 1E-05)*	5E-05	*(3E-05, 1E-04)*	1E-06	*(7E-07, 3E-06)*	**1E-04**	*(7E-05, 3E-04)*
Beef Farmer	2E-07	*(1E-07, 5E-07)*	4E-08	*(2E-08, 8E-08)*	2E-10	*(2E-10, 2E-10)*	5E-09	*(3E-09, 8E-09)*	4E-08	*(2E-08, 9E-08)*	4E-10	*(4E-10, 4E-10)*	**3E-07**	*(2E-07, 6E-07)*
Dairy Farmer	8E-08	*(4E-08, 2E-07)*	5E-09	*(2E-09, 1E-08)*	3E-11	*(3E-11, 3E-11)*	5E-10	*(5E-10, 5E-10)*	4E-09	*(2E-09, 1E-08)*	6E-11	*(6E-11, 6E-11)*	**9E-08**	*(4E-08, 2E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 9E-09)*	2E-11	*(2E-11, 2E-11)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(7E-10, 4E-09)*	3E-10	*(8E-11, 1E-09)*	**7E-09**	*(3E-09, 1E-08)*
Pork Farmer	1E-08	*(6E-09, 3E-08)*	1E-08	*(6E-09, 3E-08)*	8E-11	*(8E-11, 8E-11)*	3E-09	*(1E-09, 6E-09)*	1E-08	*(6E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	**4E-08**	*(2E-08, 7E-08)*
Total	**8E-06**	***(4E-06, 2E-05)***	**2E-04**	***(8E-05, 4E-04)***	**1E-06**	***(5E-07, 3E-06)***	**1E-05**	***(7E-06, 3E-05)***	**1E-04**	***(7E-05, 3E-04)***	**4E-06**	***(2E-06, 8E-06)***	**3E-04**	***(2E-04, 7E-04)***

Table II-D64. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Children (12-19) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Children (12-19)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	3E-06	*(1E-06, 8E-06)*	1E-04	*(7E-05, 3E-04)*	7E-07	*(3E-07, 2E-06)*	7E-06	*(4E-06, 1E-05)*	9E-05	*(5E-05, 2E-04)*	4E-06	*(2E-06, 8E-06)*	**2E-04**	*(1E-04, 4E-04)*
Home Gardener	3E-06	*(1E-06, 7E-06)*	9E-05	*(4E-05, 2E-04)*	4E-07	*(2E-07, 9E-07)*	4E-06	*(2E-06, 8E-06)*	6E-05	*(3E-05, 1E-04)*	3E-06	*(1E-06, 5E-06)*	**2E-04**	*(8E-05, 3E-04)*
Beef Farmer	1E-07	*(6E-08, 3E-07)*	6E-08	*(3E-08, 1E-07)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 7E-09)*	4E-08	*(2E-08, 9E-08)*	9E-10	*(5E-10, 2E-09)*	**2E-07**	*(1E-07, 4E-07)*
Dairy Farmer	5E-08	*(2E-08, 1E-07)*	9E-09	*(4E-09, 2E-08)*	5E-11	*(5E-11, 5E-11)*	4E-10	*(4E-10, 4E-10)*	4E-09	*(2E-09, 1E-08)*	1E-10	*(1E-10, 1E-10)*	**6E-08**	*(3E-08, 1E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	6E-09	*(3E-09, 1E-08)*	3E-11	*(3E-11, 3E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(8E-10, 4E-09)*	3E-10	*(3E-10, 3E-10)*	**9E-09**	*(4E-09, 2E-08)*
Pork Farmer	1E-08	*(5E-09, 3E-08)*	1E-08	*(8E-09, 3E-08)*	8E-11	*(8E-11, 8E-11)*	2E-09	*(1E-09, 5E-09)*	1E-08	*(6E-09, 2E-08)*	3E-10	*(3E-10, 3E-10)*	**4E-08**	*(2E-08, 7E-08)*
Total	**6E-06**	***(3E-06, 1E-05)***	**2E-04**	***(1E-04, 5E-04)***	**1E-06**	***(5E-07, 2E-06)***	**1E-05**	***(6E-06, 2E-05)***	**1E-04**	***(8E-05, 3E-04)***	**7E-06**	***(4E-06, 1E-05)***	**4E-04**	***(2E-04, 7E-04)***
MACT Floor Emissions														
Resident	3E-06	*(1E-06, 8E-06)*	1E-04	*(4E-05, 2E-04)*	6E-07	*(2E-07, 1E-06)*	7E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**2E-04**	*(9E-05, 4E-04)*
Home Gardener	3E-06	*(1E-06, 7E-06)*	6E-05	*(2E-05, 2E-04)*	3E-07	*(1E-07, 9E-07)*	4E-06	*(2E-06, 8E-06)*	4E-05	*(2E-05, 8E-05)*	1E-06	*(6E-07, 2E-06)*	**1E-04**	*(5E-05, 2E-04)*
Beef Farmer	1E-07	*(6E-08, 3E-07)*	4E-08	*(2E-08, 7E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 7E-09)*	3E-08	*(1E-08, 7E-08)*	3E-10	*(3E-10, 3E-10)*	**2E-07**	*(1E-07, 4E-07)*
Dairy Farmer	5E-08	*(2E-08, 1E-07)*	4E-09	*(2E-09, 9E-09)*	2E-11	*(2E-11, 2E-11)*	4E-10	*(4E-10, 4E-10)*	3E-09	*(1E-09, 9E-09)*	5E-11	*(5E-11, 5E-11)*	**6E-08**	*(3E-08, 1E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 8E-09)*	2E-11	*(2E-11, 2E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(6E-10, 3E-09)*	2E-10	*(2E-10, 2E-10)*	**6E-09**	*(3E-09, 1E-08)*
Pork Farmer	1E-08	*(5E-09, 3E-08)*	1E-08	*(5E-09, 2E-08)*	6E-11	*(6E-11, 6E-11)*	2E-09	*(1E-09, 5E-09)*	1E-08	*(5E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	**3E-08**	*(2E-08, 6E-08)*
Total	**6E-06**	***(3E-06, 1E-05)***	**2E-04**	***(6E-05, 4E-04)***	**9E-07**	***(4E-07, 2E-06)***	**1E-05**	***(6E-06, 2E-05)***	**1E-04**	***(6E-05, 2E-04)***	**3E-06**	***(2E-06, 6E-06)***	**3E-04**	***(1E-04, 6E-04)***
MACT BTF Emissions														
Resident	3E-06	*(1E-06, 8E-06)*	1E-04	*(4E-05, 2E-04)*	6E-07	*(2E-07, 1E-06)*	7E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**2E-04**	*(9E-05, 4E-04)*
Home Gardener	3E-06	*(1E-06, 6E-06)*	6E-05	*(2E-05, 2E-04)*	3E-07	*(1E-07, 9E-07)*	4E-06	*(2E-06, 8E-06)*	4E-05	*(2E-05, 8E-05)*	1E-06	*(6E-07, 2E-06)*	**1E-04**	*(5E-05, 2E-04)*
Beef Farmer	1E-07	*(6E-08, 3E-07)*	4E-08	*(2E-08, 7E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 7E-09)*	3E-08	*(1E-08, 7E-08)*	3E-10	*(3E-10, 3E-10)*	**2E-07**	*(1E-07, 4E-07)*
Dairy Farmer	5E-08	*(2E-08, 1E-07)*	4E-09	*(2E-09, 9E-09)*	2E-11	*(2E-11, 2E-11)*	4E-10	*(4E-10, 4E-10)*	3E-09	*(1E-09, 9E-09)*	5E-11	*(5E-11, 5E-11)*	**5E-08**	*(3E-08, 1E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 8E-09)*	2E-11	*(2E-11, 2E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(6E-10, 3E-09)*	2E-10	*(2E-10, 2E-10)*	**6E-09**	*(3E-09, 1E-08)*
Pork Farmer	1E-08	*(5E-09, 3E-08)*	1E-08	*(5E-09, 2E-08)*	6E-11	*(6E-11, 6E-11)*	2E-09	*(1E-09, 5E-09)*	1E-08	*(5E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	**3E-08**	*(2E-08, 6E-08)*
Total	**6E-06**	***(3E-06, 1E-05)***	**2E-04**	***(6E-05, 4E-04)***	**9E-07**	***(4E-07, 2E-06)***	**1E-05**	***(6E-06, 2E-05)***	**1E-04**	***(6E-05, 2E-04)***	**3E-06**	***(2E-06, 6E-06)***	**3E-04**	***(1E-04, 6E-04)***
MACT Standard Emissions														
Resident	3E-06	*(1E-06, 8E-06)*	1E-04	*(4E-05, 2E-04)*	6E-07	*(2E-07, 1E-06)*	7E-06	*(4E-06, 1E-05)*	7E-05	*(4E-05, 1E-04)*	2E-06	*(1E-06, 4E-06)*	**2E-04**	*(9E-05, 4E-04)*
Home Gardener	3E-06	*(1E-06, 7E-06)*	6E-05	*(2E-05, 2E-04)*	3E-07	*(1E-07, 9E-07)*	4E-06	*(2E-06, 8E-06)*	4E-05	*(2E-05, 8E-05)*	1E-06	*(6E-07, 2E-06)*	**1E-04**	*(5E-05, 2E-04)*
Beef Farmer	1E-07	*(6E-08, 3E-07)*	4E-08	*(2E-08, 7E-08)*	2E-10	*(2E-10, 2E-10)*	4E-09	*(2E-09, 7E-09)*	3E-08	*(1E-08, 7E-08)*	3E-10	*(3E-10, 3E-10)*	**2E-07**	*(1E-07, 4E-07)*
Dairy Farmer	5E-08	*(2E-08, 1E-07)*	4E-09	*(2E-09, 9E-09)*	2E-11	*(2E-11, 2E-11)*	4E-10	*(4E-10, 4E-10)*	3E-09	*(1E-09, 9E-09)*	5E-11	*(5E-11, 5E-11)*	**6E-08**	*(3E-08, 1E-07)*
Produce Farmer	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 8E-09)*	2E-11	*(2E-11, 2E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(6E-10, 3E-09)*	2E-10	*(2E-10, 2E-10)*	**6E-09**	*(3E-09, 1E-08)*
Pork Farmer	1E-08	*(5E-09, 3E-08)*	1E-08	*(5E-09, 2E-08)*	6E-11	*(6E-11, 6E-11)*	2E-09	*(1E-09, 5E-09)*	1E-08	*(5E-09, 2E-08)*	1E-10	*(1E-10, 1E-10)*	**3E-08**	*(2E-08, 6E-08)*
Total	**6E-06**	***(3E-06, 1E-05)***	**2E-04**	***(6E-05, 4E-04)***	**9E-07**	***(4E-07, 2E-06)***	**1E-05**	***(6E-06, 2E-05)***	**1E-04**	***(6E-05, 2E-04)***	**3E-06**	***(2E-06, 6E-06)***	**3E-04**	***(1E-04, 6E-04)***

Table II-D65. Summary of Annual Cancer Incidence (Ingestion and Inhalation) for Receptor Population within Study Area by Exposure Scenario for Adults (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Scenario	Estimated Cancer Incidence (Cases): Adults (20+)												Total Across All Age Groups and Constituents	
	Ingestion and Inhalation				Inhalation									
	TCDD		Arsenic		Beryllium		Cadmium		Chromium (VI)		Nickel			
Baseline Emissions														
Resident	2E-05	*(7E-06, 5E-05)*	1E-03	*(4E-04, 2E-03)*	3E-06	*(2E-06, 7E-06)*	4E-05	*(2E-05, 7E-05)*	4E-04	*(2E-04, 8E-04)*	3E-05	*(1E-05, 5E-05)*	**2E-03**	*(8E-04, 3E-03)*
Home Gardener	1E-05	*(6E-06, 4E-05)*	6E-04	*(3E-04, 2E-03)*	2E-06	*(1E-06, 4E-06)*	2E-05	*(1E-05, 4E-05)*	3E-04	*(1E-04, 5E-04)*	2E-05	*(8E-06, 3E-05)*	**1E-03**	*(5E-04, 2E-03)*
Beef Farmer	1E-06	*(6E-07, 3E-06)*	4E-07	*(2E-07, 7E-07)*	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	2E-07	*(9E-08, 5E-07)*	5E-09	*(3E-09, 8E-09)*	**2E-06**	*(1E-06, 4E-06)*
Dairy Farmer	2E-07	*(9E-08, 4E-07)*	6E-08	*(3E-08, 2E-07)*	3E-10	*(3E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	3E-08	*(1E-08, 7E-08)*	1E-09	*(5E-10, 2E-09)*	**3E-07**	*(2E-07, 5E-07)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	4E-08	*(2E-08, 1E-07)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 7E-09)*	1E-08	*(5E-09, 3E-08)*	2E-09	*(6E-10, 5E-09)*	**6E-08**	*(3E-08, 1E-07)*
Pork Farmer	9E-08	*(4E-08, 2E-07)*	1E-07	*(5E-08, 2E-07)*	5E-10	*(5E-10, 5E-10)*	1E-08	*(6E-09, 3E-08)*	6E-08	*(3E-08, 1E-07)*	2E-09	*(1E-09, 3E-09)*	**3E-07**	*(2E-07, 4E-07)*
Total	**4E-05**	***(1E-05, 9E-05)***	**2E-03**	***(7E-04, 4E-03)***	**5E-06**	***(3E-06, 1E-05)***	**6E-05**	***(3E-05, 1E-04)***	**7E-04**	***(4E-04, 1E-03)***	**4E-05**	***(2E-05, 8E-05)***	3E-03	***(1E-03, 5E-03)***
MACT Floor Emissions														
Resident	2E-05	*(7E-06, 5E-05)*	8E-04	*(3E-04, 2E-03)*	3E-06	*(1E-06, 6E-06)*	4E-05	*(2E-05, 7E-05)*	3E-04	*(2E-04, 7E-04)*	1E-05	*(6E-06, 2E-05)*	**1E-03**	*(5E-04, 3E-03)*
Home Gardener	1E-05	*(6E-06, 4E-05)*	5E-04	*(2E-04, 1E-03)*	2E-06	*(7E-07, 4E-06)*	2E-05	*(1E-05, 4E-05)*	2E-04	*(1E-04, 4E-04)*	7E-06	*(4E-06, 1E-05)*	**8E-04**	*(3E-04, 2E-03)*
Beef Farmer	1E-06	*(6E-07, 3E-06)*	2E-07	*(1E-07, 4E-07)*	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	2E-07	*(7E-08, 4E-07)*	2E-09	*(9E-10, 3E-09)*	**2E-06**	*(9E-07, 4E-06)*
Dairy Farmer	2E-07	*(9E-08, 4E-07)*	3E-08	*(1E-08, 6E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 5E-09)*	2E-08	*(7E-09, 5E-08)*	3E-10	*(3E-10, 3E-10)*	**2E-07**	*(1E-07, 5E-07)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 5E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(1E-09, 7E-09)*	8E-09	*(4E-09, 2E-08)*	1E-09	*(4E-10, 5E-09)*	**4E-08**	*(2E-08, 7E-08)*
Pork Farmer	9E-08	*(4E-08, 2E-07)*	6E-08	*(3E-08, 1E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(6E-09, 3E-08)*	5E-08	*(3E-08, 1E-07)*	7E-10	*(3E-10, 1E-09)*	**2E-07**	*(1E-07, 4E-07)*
Total	**4E-05**	***(1E-05, 9E-05)***	**1E-03**	***(5E-04, 4E-03)***	**4E-06**	***(2E-06, 1E-05)***	**6E-05**	***(3E-05, 1E-04)***	**5E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	2E-03	***(8E-04, 5E-03)***
MACT BTF Emissions														
Resident	2E-05	*(7E-06, 5E-05)*	8E-04	*(3E-04, 2E-03)*	3E-06	*(1E-06, 6E-06)*	4E-05	*(2E-05, 7E-05)*	3E-04	*(2E-04, 7E-04)*	1E-05	*(6E-06, 2E-05)*	**1E-03**	*(5E-04, 3E-03)*
Home Gardener	1E-05	*(6E-06, 4E-05)*	5E-04	*(2E-04, 1E-03)*	2E-06	*(7E-07, 4E-06)*	2E-05	*(1E-05, 4E-05)*	2E-04	*(1E-04, 4E-04)*	7E-06	*(4E-06, 1E-05)*	**8E-04**	*(3E-04, 2E-03)*
Beef Farmer	1E-06	*(6E-07, 3E-06)*	2E-07	*(1E-07, 4E-07)*	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	2E-07	*(7E-08, 4E-07)*	2E-09	*(9E-10, 3E-09)*	**2E-06**	*(9E-07, 4E-06)*
Dairy Farmer	2E-07	*(9E-08, 4E-07)*	3E-08	*(1E-08, 6E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 5E-09)*	2E-08	*(7E-09, 5E-08)*	3E-10	*(3E-10, 3E-10)*	**2E-07**	*(1E-07, 5E-07)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 5E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(1E-09, 7E-09)*	8E-09	*(4E-09, 2E-08)*	1E-09	*(4E-10, 5E-09)*	**4E-08**	*(2E-08, 7E-08)*
Pork Farmer	8E-08	*(4E-08, 2E-07)*	6E-08	*(3E-08, 1E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(6E-09, 3E-08)*	5E-08	*(3E-08, 1E-07)*	7E-10	*(3E-10, 1E-09)*	**2E-07**	*(1E-07, 4E-07)*
Total	**3E-05**	***(1E-05, 9E-05)***	**1E-03**	***(5E-04, 4E-03)***	**4E-06**	***(2E-06, 1E-05)***	**6E-05**	***(3E-05, 1E-04)***	**5E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	2E-03	***(8E-04, 5E-03)***
MACT Standard Emissions														
Resident	2E-05	*(7E-06, 5E-05)*	8E-04	*(3E-04, 2E-03)*	3E-06	*(1E-06, 6E-06)*	4E-05	*(2E-05, 7E-05)*	3E-04	*(2E-04, 7E-04)*	1E-05	*(6E-06, 2E-05)*	**1E-03**	*(5E-04, 3E-03)*
Home Gardener	1E-05	*(6E-06, 4E-05)*	5E-04	*(2E-04, 1E-03)*	2E-06	*(7E-07, 4E-06)*	2E-05	*(1E-05, 4E-05)*	2E-04	*(1E-04, 4E-04)*	7E-06	*(4E-06, 1E-05)*	**8E-04**	*(3E-04, 2E-03)*
Beef Farmer	1E-06	*(6E-07, 3E-06)*	2E-07	*(1E-07, 4E-07)*	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	2E-07	*(7E-08, 4E-07)*	2E-09	*(9E-10, 3E-09)*	**2E-06**	*(9E-07, 4E-06)*
Dairy Farmer	2E-07	*(9E-08, 4E-07)*	3E-08	*(1E-08, 6E-08)*	2E-10	*(2E-10, 2E-10)*	3E-09	*(1E-09, 5E-09)*	2E-08	*(7E-09, 5E-08)*	3E-10	*(3E-10, 3E-10)*	**2E-07**	*(1E-07, 5E-07)*
Produce Farmer	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 5E-08)*	1E-10	*(1E-10, 1E-10)*	3E-09	*(1E-09, 7E-09)*	8E-09	*(4E-09, 2E-08)*	1E-09	*(4E-10, 5E-09)*	**4E-08**	*(2E-08, 7E-08)*
Pork Farmer	9E-08	*(4E-08, 2E-07)*	6E-08	*(3E-08, 1E-07)*	4E-10	*(4E-10, 4E-10)*	1E-08	*(6E-09, 3E-08)*	5E-08	*(3E-08, 1E-07)*	7E-10	*(3E-10, 1E-09)*	**2E-07**	*(1E-07, 4E-07)*
Total	**4E-05**	***(1E-05, 9E-05)***	**1E-03**	***(5E-04, 4E-03)***	**4E-06**	***(2E-06, 1E-05)***	**6E-05**	***(3E-05, 1E-04)***	**5E-04**	***(3E-04, 1E-03)***	**2E-05**	***(1E-05, 4E-05)***	2E-03	***(8E-04, 5E-03)***

Table II-E1. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Cement Kilns

	Incremental	*Background*	*Total*
Baseline			
Resident	1	814	815
Home Gardener	1	499	500
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	4	4
Produce Farmer	0	1	1
MACT_Floor			
Resident	0	814	814
Home Gardener	0	499	499
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	4	4
Produce Farmer	0	1	1
MACT_BTF			
Resident	0	814	814
Home Gardener	0	499	499
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	4	4
Produce Farmer	0	1	1
MACT_STD			
Resident	0	814	814
Home Gardener	0	499	499
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	4	4
Produce Farmer	0	1	1

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-E2. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Area Source Cement Kilns

	Incremental	*Background*	*Total*
Baseline			
Resident	0	30	30
Home Gardener	0	18	18
Beef Farmer	0	1	1
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_Floor			
Resident	0	30	30
Home Gardener	0	18	18
Beef Farmer	0	1	1
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_BTF			
Resident	0	30	30
Home Gardener	0	18	18
Beef Farmer	0	1	1
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_STD			
Resident	0	30	30
Home Gardener	0	18	18
Beef Farmer	0	1	1
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-E3. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Lightweight Aggregate Kilns

	Incremental	*Background*	*Total*
Baseline			
Resident	0	710	710
Home Gardener	0	435	435
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_Floor			
Resident	0	710	710
Home Gardener	0	435	435
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_BTF			
Resident	0	710	710
Home Gardener	0	435	435
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_STD			
Resident	0	710	710
Home Gardener	0	435	435
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-E4. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: All Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	17	67234	67251
Home Gardener	17	41208	41225
Beef Farmer	0	42	42
Dairy Farmer	0	8	8
Pork Farmer	0	15	15
Produce Farmer	0	8	8
MACT_Floor			
Resident	0	67234	67234
Home Gardener	0	41208	41208
Beef Farmer	0	42	42
Dairy Farmer	0	8	8
Pork Farmer	0	15	15
Produce Farmer	0	8	8
MACT_BTF			
Resident	0	67234	67234
Home Gardener	0	41208	41208
Beef Farmer	0	42	42
Dairy Farmer	0	8	8
Pork Farmer	0	15	15
Produce Farmer	0	8	8
MACT_STD			
Resident	0	67234	67234
Home Gardener	0	41208	41208
Beef Farmer	0	42	42
Dairy Farmer	0	8	8
Pork Farmer	0	15	15
Produce Farmer	0	8	8

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-E5. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Area Source Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	0	3171	3171
Home Gardener	1	1944	1945
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_Floor			
Resident	0	3171	3171
Home Gardener	0	1944	1944
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_BTF			
Resident	0	3171	3171
Home Gardener	0	1944	1944
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_STD			
Resident	0	3171	3171
Home Gardener	0	1944	1944
Beef Farmer	0	9	9
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-E6. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Commercial Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	2	4334	4336
Home Gardener	2	2656	2658
Beef Farmer	0	10	10
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_Floor			
Resident	0	4334	4334
Home Gardener	0	2656	2656
Beef Farmer	0	10	10
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_BTF			
Resident	0	4334	4334
Home Gardener	0	2656	2656
Beef Farmer	0	10	10
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_STD			
Resident	0	4334	4334
Home Gardener	0	2656	2656
Beef Farmer	0	10	10
Dairy Farmer	0	2	2
Pork Farmer	0	1	1
Produce Farmer	0	1	1

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-E7. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Large Onsite Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	15	12231	12246
Home Gardener	14	7496	7510
Beef Farmer	0	14	14
Dairy Farmer	0	3	3
Pork Farmer	0	6	6
Produce Farmer	0	4	4
MACT_Floor			
Resident	0	12231	12231
Home Gardener	0	7496	7496
Beef Farmer	0	14	14
Dairy Farmer	0	3	3
Pork Farmer	0	6	6
Produce Farmer	0	4	4
MACT_BTF			
Resident	0	12231	12231
Home Gardener	0	7496	7496
Beef Farmer	0	14	14
Dairy Farmer	0	3	3
Pork Farmer	0	6	6
Produce Farmer	0	4	4
MACT_STD			
Resident	0	12231	12231
Home Gardener	0	7496	7496
Beef Farmer	0	14	14
Dairy Farmer	0	3	3
Pork Farmer	0	6	6
Produce Farmer	0	4	4

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-E8. Lifetime Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Small Onsite Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	0	50669	50669
Home Gardener	0	31055	31055
Beef Farmer	0	19	19
Dairy Farmer	0	3	3
Pork Farmer	0	7	7
Produce Farmer	0	3	3
MACT_Floor			
Resident	0	50669	50669
Home Gardener	0	31055	31055
Beef Farmer	0	19	19
Dairy Farmer	0	3	3
Pork Farmer	0	7	7
Produce Farmer	0	3	3
MACT_BTF			
Resident	0	50669	50669
Home Gardener	0	31055	31055
Beef Farmer	0	19	19
Dairy Farmer	0	3	3
Pork Farmer	0	7	7
Produce Farmer	0	3	3
MACT_STD			
Resident	0	50669	50669
Home Gardener	0	31055	31055
Beef Farmer	0	19	19
Dairy Farmer	0	3	3
Pork Farmer	0	7	7
Produce Farmer	0	3	3

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F1. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Cement Kilns

	Incremental	*Background*	*Total*
Baseline			
Resident	0	163	163
Home Gardener	0	100	100
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	1	1
Produce Farmer	0	0	0
MACT_Floor			
Resident	0	163	163
Home Gardener	0	100	100
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	1	1
Produce Farmer	0	0	0
MACT_BTF			
Resident	0	163	163
Home Gardener	0	100	100
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	1	1
Produce Farmer	0	0	0
MACT_STD			
Resident	0	163	163
Home Gardener	0	100	100
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	1	1
Produce Farmer	0	0	0

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F2. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Area Source Cement Kilns

	Incremental	*Background*	*Total*
Baseline			
Resident	0	6	6
Home Gardener	0	4	4
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_Floor			
Resident	0	6	6
Home Gardener	0	4	4
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_BTF			
Resident	0	6	6
Home Gardener	0	4	4
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_STD			
Resident	0	6	6
Home Gardener	0	4	4
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F3. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Lightweight Aggregate Kilns

	Incremental	*Background*	*Total*
Baseline			
Resident	0	142	142
Home Gardener	0	87	87
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_Floor			
Resident	0	142	142
Home Gardener	0	87	87
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_BTF			
Resident	0	142	142
Home Gardener	0	87	87
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_STD			
Resident	0	142	142
Home Gardener	0	87	87
Beef Farmer	0	0	0
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F4. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: All Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	3	13447	13450
Home Gardener	3	8242	8245
Beef Farmer	0	8	8
Dairy Farmer	0	2	2
Pork Farmer	0	3	3
Produce Farmer	0	2	2
MACT_Floor			
Resident	0	13447	13447
Home Gardener	0	8242	8242
Beef Farmer	0	8	8
Dairy Farmer	0	2	2
Pork Farmer	0	3	3
Produce Farmer	0	2	2
MACT_BTF			
Resident	0	13447	13447
Home Gardener	0	8242	8242
Beef Farmer	0	8	8
Dairy Farmer	0	2	2
Pork Farmer	0	3	3
Produce Farmer	0	2	2
MACT_STD			
Resident	0	13447	13447
Home Gardener	0	8242	8242
Beef Farmer	0	8	8
Dairy Farmer	0	2	2
Pork Farmer	0	3	3
Produce Farmer	0	2	2

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F5. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Area Source Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	0	634	634
Home Gardener	0	389	389
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_Floor			
Resident	0	634	634
Home Gardener	0	389	389
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_BTF			
Resident	0	634	634
Home Gardener	0	389	389
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_STD			
Resident	0	634	634
Home Gardener	0	389	389
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F6. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Commercial Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	0	867	867
Home Gardener	0	531	532
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_Floor			
Resident	0	867	867
Home Gardener	0	531	531
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_BTF			
Resident	0	867	867
Home Gardener	0	531	531
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0
MACT_STD			
Resident	0	867	867
Home Gardener	0	531	531
Beef Farmer	0	2	2
Dairy Farmer	0	0	0
Pork Farmer	0	0	0
Produce Farmer	0	0	0

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F7. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Large Onsite Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	3	2446	2449
Home Gardener	3	1499	1502
Beef Farmer	0	3	3
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_Floor			
Resident	0	2446	2446
Home Gardener	0	1499	1499
Beef Farmer	0	3	3
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_BTF			
Resident	0	2446	2446
Home Gardener	0	1499	1499
Beef Farmer	0	3	3
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_STD			
Resident	0	2446	2446
Home Gardener	0	1499	1499
Beef Farmer	0	3	3
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1

Note: Background Blood Level Concentration = 3.6 ug/dl

Table II-F8. Annualized Projection for Children (0-5 years) with Blood Lead Level Greater Than or Equal to 10 ug/dl: Small Onsite Incinerators

	Incremental	*Background*	*Total*
Baseline			
Resident	0	10134	10134
Home Gardener	0	6211	6211
Beef Farmer	0	4	4
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_Floor			
Resident	0	10134	10134
Home Gardener	0	6211	6211
Beef Farmer	0	4	4
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_BTF			
Resident	0	10134	10134
Home Gardener	0	6211	6211
Beef Farmer	0	4	4
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1
MACT_STD			
Resident	0	10134	10134
Home Gardener	0	6211	6211
Beef Farmer	0	4	4
Dairy Farmer	0	1	1
Pork Farmer	0	1	1
Produce Farmer	0	1	1

Note: Background Blood Level Concentration = 3.6 ug/dl

Section III

There is no Section III in this document

Section IV. Individual Risk Results for Lead

This section contains individual lead variability risk results (i.e., modeled blood lead levels) for the 0- to 5-year-old children of adult residents, home gardeners, beef farmers, dairy farmers, pork farmers, and produce farmers, as well as subsistence farmers and subsistence fishers. The tables also contain estimates of the percentage of children in the sector population with blood lead levels greater than or equal to 10 μg/dL. These results reflect both intersector and interindividual variability, the latter reflecting primarily pharmacokinetic differences between individuals within receptor population age groups. Individual lead variability results for the recreational fisher are presented in Section V-C.

This section is organized by sector population (e.g., Section IV-A contains tables for residents). Because dioxin is not a constituent of interest in this analysis, waste heat boilers are not presented as a separate combustor category.

Table IV-A1. Blood Lead Levels for Child (0-5 yr) of Resident: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.13	0.18	0.24	0.28	0.31	0.34	0.39	-
Background (3.6 ug/dL)	3.57	4.96	6.57	7.81	8.65	9.44	10.70	2
Background and Incremental	3.70	5.14	6.81	8.09	8.96	9.78	11.09	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.58	4.98	6.55	7.70	8.51	9.24	10.36	2
Background and Incremental	3.60	5.00	6.59	7.74	8.56	9.29	10.42	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.98	6.63	7.94	8.78	9.65	11.16	2
Background and Incremental	3.63	4.99	6.65	7.96	8.81	9.67	11.19	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.92	6.59	7.84	8.77	9.63	10.87	2
Background and Incremental	3.58	4.93	6.61	7.86	8.79	9.65	10.90	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-A2. Blood Lead Levels for Child (0-5 yr) of Resident: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.05	0.07	0.09	0.11	0.12	0.13	0.15	-
Background (3.6 ug/dL)	3.57	4.89	6.51	7.74	8.62	9.31	10.80	2
Background and Incremental	3.62	4.96	6.60	7.85	8.74	9.44	10.95	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.93	6.55	7.94	8.85	9.64	10.97	2
Background and Incremental	3.61	4.95	6.57	7.96	8.87	9.66	11.00	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.94	6.64	7.94	8.85	9.64	10.85	2
Background and Incremental	3.63	4.95	6.66	7.96	8.88	9.66	10.88	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.96	6.55	7.72	8.64	9.37	10.71	2
Background and Incremental	3.63	4.97	6.57	7.74	8.66	9.40	10.74	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-A3. Blood Lead Levels for Child (0-5 yr) of Resident: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.30	0.41	0.55	0.65	0.73	0.79	0.89	-
Background (3.6 ug/dL)	3.63	4.98	6.56	7.81	8.75	9.44	10.67	2
Background and Incremental	3.93	5.40	7.10	8.46	9.48	10.22	11.56	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.88	6.61	7.90	8.92	9.67	11.02	2
Background and Incremental	3.58	4.88	6.61	7.90	8.92	9.67	11.02	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.59	4.91	6.54	7.86	8.80	9.55	10.95	2
Background and Incremental	3.59	4.91	6.54	7.86	8.80	9.55	10.95	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.93	6.57	7.82	8.68	9.54	10.70	2
Background and Incremental	3.57	4.93	6.57	7.82	8.68	9.54	10.70	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-A4. Blood Lead Levels for Child (0-5 yr) of Resident: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.95	6.62	7.82	8.66	9.43	10.72	2
Background and Incremental	3.58	4.95	6.62	7.82	8.66	9.43	10.72	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.95	6.57	7.84	8.71	9.42	10.79	2
Background and Incremental	3.58	4.95	6.57	7.84	8.71	9.42	10.79	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.96	6.62	7.82	8.78	9.62	10.79	2
Background and Incremental	3.60	4.96	6.62	7.82	8.78	9.62	10.79	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.94	6.59	7.90	8.81	9.57	10.82	2
Background and Incremental	3.60	4.94	6.59	7.90	8.81	9.57	10.82	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-A5. Blood Lead Levels for Child (0-5 yr) of Resident: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.93	6.53	7.73	8.57	9.36	10.64	2
Background and Incremental	3.60	4.95	6.55	7.75	8.60	9.38	10.67	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.97	6.60	7.83	8.74	9.44	10.63	2
Background and Incremental	3.61	4.99	6.62	7.85	8.77	9.47	10.66	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.62	4.99	6.60	7.80	8.70	9.35	10.64	2
Background and Incremental	3.62	4.99	6.60	7.80	8.70	9.35	10.64	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.94	6.54	7.74	8.68	9.42	10.64	2
Background and Incremental	3.57	4.94	6.54	7.74	8.68	9.42	10.64	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-A6. Blood Lead Levels for Child (0-5 yr) of Resident: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.60	4.94	6.54	7.76	8.66	9.33	10.74	2
Background and Incremental	3.62	4.96	6.58	7.80	8.71	9.38	10.80	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.61	4.93	6.54	7.84	8.71	9.47	10.65	2
Background and Incremental	3.63	4.96	6.58	7.89	8.76	9.52	10.71	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.95	6.57	7.81	8.81	9.52	10.90	2
Background and Incremental	3.62	4.96	6.59	7.83	8.83	9.55	10.93	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.91	6.56	7.80	8.67	9.41	10.70	2
Background and Incremental	3.58	4.92	6.58	7.82	8.69	9.44	10.73	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-A7. Blood Lead Levels for Child (0-5 yr) of Resident: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.05	0.07	0.09	0.11	0.12	0.13	0.15	-
Background (3.6 ug/dL)	3.62	4.92	6.58	7.82	8.71	9.42	10.61	2
Background and Incremental	3.67	4.99	6.67	7.92	8.83	9.55	10.76	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.98	6.63	7.82	8.64	9.44	10.67	2
Background and Incremental	3.61	5.00	6.65	7.85	8.66	9.47	10.70	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.93	6.65	7.81	8.71	9.49	10.94	2
Background and Incremental	3.64	4.94	6.67	7.83	8.74	9.52	10.97	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.92	6.56	7.86	8.81	9.44	10.65	2
Background and Incremental	3.57	4.93	6.57	7.89	8.83	9.47	10.68	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-A8. Blood Lead Levels for Child (0-5 yr) of Resident: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.30	0.42	0.55	0.66	0.73	0.79	0.90	-
Background (3.6 ug/dL)	3.63	4.99	6.64	7.89	8.72	9.48	10.78	2
Background and Incremental	3.93	5.41	7.19	8.55	9.44	10.27	11.67	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.93	6.57	7.81	8.61	9.37	10.88	2
Background and Incremental	3.59	4.95	6.59	7.83	8.63	9.40	10.91	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.99	6.61	7.90	8.88	9.63	10.87	2
Background and Incremental	3.64	5.00	6.63	7.92	8.90	9.66	10.90	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.95	6.64	7.85	8.82	9.58	10.91	2
Background and Incremental	3.62	4.97	6.66	7.88	8.85	9.61	10.94	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B1. Blood Lead Levels for Child (0-5 yr) of Home Gardener: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.17	0.23	0.31	0.37	0.41	0.44	0.50	-
Background (3.6 ug/dL)	3.59	4.91	6.57	7.87	8.73	9.39	10.66	2
Background and Incremental	3.76	5.14	6.88	8.24	9.14	9.83	11.16	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.59	4.91	6.55	7.78	8.64	9.47	10.85	2
Background and Incremental	3.60	4.94	6.59	7.82	8.69	9.52	10.91	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.86	6.54	7.87	8.87	9.72	11.41	2
Background and Incremental	3.57	4.88	6.56	7.89	8.89	9.74	11.44	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.96	6.59	7.72	8.61	9.46	10.76	2
Background and Incremental	3.63	4.97	6.61	7.74	8.64	9.48	10.79	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B2. Blood Lead Levels for Child (0-5 yr) of Home Gardener: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.07	0.10	0.13	0.15	0.17	0.18	0.21	-
Background (3.6 ug/dL)	3.60	4.93	6.45	7.65	8.51	9.34	10.67	2
Background and Incremental	3.67	5.03	6.57	7.80	8.67	9.53	10.87	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.93	6.49	7.67	8.54	9.35	10.96	2
Background and Incremental	3.59	4.94	6.51	7.69	8.56	9.38	10.99	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.95	6.59	7.85	8.66	9.39	10.62	2
Background and Incremental	3.60	4.96	6.61	7.87	8.68	9.41	10.65	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.94	6.61	7.80	8.61	9.37	10.58	2
Background and Incremental	3.57	4.95	6.63	7.82	8.64	9.39	10.61	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B3. Blood Lead Levels for Child (0-5 yr) of Home Gardener: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.40	0.54	0.72	0.84	0.95	1.05	1.19	-
Background (3.6 ug/dL)	3.61	4.89	6.48	7.60	8.54	9.41	10.69	2
Background and Incremental	4.01	5.43	7.19	8.44	9.49	10.46	11.87	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.95	6.52	7.76	8.67	9.32	10.73	2
Background and Incremental	3.58	4.95	6.52	7.76	8.67	9.32	10.73	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.87	6.48	7.75	8.68	9.43	10.47	2
Background and Incremental	3.58	4.87	6.48	7.75	8.68	9.43	10.47	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.97	6.62	7.81	8.67	9.34	10.64	2
Background and Incremental	3.57	4.97	6.62	7.81	8.67	9.34	10.64	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B4. Blood Lead Levels for Child (0-5 yr) of Home Gardener: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.62	4.95	6.55	7.79	8.67	9.34	10.62	2
Background and Incremental	3.62	4.95	6.55	7.79	8.67	9.34	10.62	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.62	4.98	6.60	7.82	8.68	9.42	10.75	2
Background and Incremental	3.62	4.98	6.60	7.82	8.68	9.42	10.75	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.96	6.62	7.82	8.69	9.43	10.69	2
Background and Incremental	3.60	4.96	6.62	7.82	8.69	9.43	10.69	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.92	6.57	7.75	8.62	9.39	10.58	2
Background and Incremental	3.57	4.92	6.57	7.75	8.62	9.39	10.58	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B5. Blood Lead Levels for Child (0-5 yr) of Home Gardener: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.91	6.51	7.67	8.59	9.41	10.72	2
Background and Incremental	3.62	4.93	6.53	7.69	8.61	9.43	10.75	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.86	6.55	7.70	8.45	9.18	10.39	2
Background and Incremental	3.57	4.87	6.56	7.72	8.47	9.21	10.42	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.59	4.97	6.55	7.69	8.60	9.30	10.50	2
Background and Incremental	3.59	4.97	6.55	7.69	8.60	9.30	10.50	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.63	4.99	6.64	7.98	8.93	9.60	11.09	2
Background and Incremental	3.63	4.99	6.64	7.98	8.93	9.60	11.09	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B6. Blood Lead Levels for Child (0-5 yr) of Home Gardener: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.60	4.94	6.55	7.73	8.61	9.28	10.40	2
Background and Incremental	3.61	4.96	6.59	7.78	8.66	9.34	10.46	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.64	4.99	6.60	7.93	8.82	9.47	10.59	2
Background and Incremental	3.66	5.02	6.64	7.97	8.87	9.53	10.65	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.99	6.65	7.84	8.63	9.26	10.43	2
Background and Incremental	3.64	5.00	6.67	7.86	8.65	9.29	10.45	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.93	6.53	7.72	8.61	9.38	10.70	2
Background and Incremental	3.63	4.94	6.54	7.74	8.63	9.41	10.73	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B7. Blood Lead Levels for Child (0-5 yr) of Home Gardener: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.07	0.10	0.13	0.15	0.17	0.18	0.21	-
Background (3.6 ug/dL)	3.61	4.93	6.56	7.77	8.67	9.34	10.84	2
Background and Incremental	3.68	5.02	6.69	7.92	8.83	9.53	11.05	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.88	6.49	7.73	8.64	9.34	10.62	2
Background and Incremental	3.58	4.90	6.51	7.75	8.66	9.36	10.65	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.94	6.60	7.84	8.78	9.45	10.95	2
Background and Incremental	3.60	4.95	6.62	7.86	8.81	9.47	10.98	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.96	6.62	7.85	8.82	9.55	10.92	2
Background and Incremental	3.59	4.97	6.64	7.87	8.85	9.58	10.95	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-B8. Blood Lead Levels for Child (0-5 yr) of Home Gardener: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.40	0.56	0.73	0.85	0.94	1.03	1.17	-
Background (3.6 ug/dL)	3.64	5.00	6.53	7.68	8.50	9.26	10.57	2
Background and Incremental	4.05	5.55	7.26	8.53	9.44	10.29	11.75	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.96	6.50	7.66	8.66	9.43	10.78	2
Background and Incremental	3.60	4.98	6.52	7.68	8.68	9.46	10.81	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.94	6.63	7.83	8.77	9.52	10.67	2
Background and Incremental	3.63	4.96	6.64	7.85	8.79	9.55	10.70	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.98	6.54	7.84	8.72	9.68	10.92	2
Background and Incremental	3.62	5.00	6.56	7.86	8.74	9.70	10.95	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C1. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.14	0.19	0.26	0.31	0.35	0.37	0.43	-
Background (3.6 ug/dL)	3.62	4.96	6.60	7.89	8.94	9.63	11.00	2
Background and Incremental	3.76	5.15	6.85	8.20	9.29	10.00	11.42	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.58	4.93	6.55	7.81	8.82	9.60	11.01	2
Background and Incremental	3.60	4.95	6.58	7.85	8.87	9.66	11.07	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.64	4.97	6.64	7.80	8.64	9.32	10.85	2
Background and Incremental	3.65	4.98	6.65	7.83	8.67	9.35	10.88	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.96	6.53	7.78	8.75	9.45	10.78	2
Background and Incremental	3.62	4.98	6.55	7.81	8.77	9.48	10.81	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C2. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.06	0.08	0.11	0.13	0.14	0.15	0.18	-
Background (3.6 ug/dL)	3.57	4.86	6.47	7.69	8.53	9.30	10.58	2
Background and Incremental	3.63	4.94	6.58	7.82	8.67	9.46	10.75	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.95	6.54	7.70	8.63	9.47	11.00	2
Background and Incremental	3.61	4.97	6.56	7.72	8.66	9.50	11.03	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.02	0.03	-
Background (3.6 ug/dL)	3.56	4.85	6.42	7.64	8.43	9.10	10.50	2
Background and Incremental	3.57	4.86	6.44	7.66	8.45	9.12	10.52	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.55	4.84	6.49	7.75	8.61	9.33	10.53	2
Background and Incremental	3.56	4.85	6.51	7.77	8.63	9.35	10.56	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C3. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.31	0.42	0.56	0.67	0.74	0.80	0.90	-
Background (3.6 ug/dL)	3.58	4.91	6.56	7.74	8.59	9.28	10.46	2
Background and Incremental	3.89	5.33	7.12	8.41	9.33	10.08	11.36	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.91	6.59	7.86	8.81	9.51	10.65	2
Background and Incremental	3.60	4.91	6.59	7.86	8.81	9.51	10.65	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.63	4.97	6.60	7.75	8.53	9.27	10.72	2
Background and Incremental	3.63	4.97	6.60	7.75	8.53	9.27	10.72	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.95	6.50	7.68	8.56	9.38	10.53	2
Background and Incremental	3.60	4.95	6.50	7.68	8.56	9.38	10.53	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C4. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.56	4.94	6.62	7.86	8.76	9.56	10.78	2
Background and Incremental	3.56	4.94	6.62	7.86	8.76	9.56	10.78	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.64	4.96	6.66	7.85	8.81	9.53	10.73	2
Background and Incremental	3.64	4.96	6.66	7.85	8.81	9.53	10.73	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.89	6.48	7.65	8.64	9.65	10.87	2
Background and Incremental	3.57	4.89	6.48	7.65	8.64	9.65	10.87	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.64	4.96	6.66	7.97	8.89	9.57	10.75	2
Background and Incremental	3.64	4.96	6.66	7.97	8.89	9.57	10.75	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C5. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.93	6.55	7.66	8.54	9.30	10.61	2
Background and Incremental	3.59	4.94	6.57	7.68	8.56	9.32	10.64	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.90	6.46	7.71	8.61	9.26	10.43	2
Background and Incremental	3.58	4.92	6.48	7.73	8.64	9.29	10.46	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.61	4.91	6.47	7.77	8.83	9.69	11.04	2
Background and Incremental	3.61	4.91	6.47	7.77	8.83	9.69	11.04	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.89	6.55	7.91	8.83	9.53	10.72	2
Background and Incremental	3.57	4.89	6.55	7.91	8.83	9.53	10.72	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C6. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.58	4.94	6.63	7.89	8.96	9.61	10.88	2
Background and Incremental	3.60	4.97	6.67	7.93	9.01	9.67	10.94	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.60	4.96	6.61	7.78	8.69	9.45	10.83	2
Background and Incremental	3.62	4.99	6.65	7.82	8.74	9.50	10.89	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.94	6.65	7.90	8.80	9.58	10.84	2
Background and Incremental	3.59	4.95	6.67	7.93	8.82	9.61	10.87	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.64	4.99	6.63	7.94	8.88	9.64	10.88	2
Background and Incremental	3.65	5.00	6.65	7.96	8.90	9.67	10.91	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C7. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.06	0.08	0.11	0.13	0.14	0.16	0.18	-
Background (3.6 ug/dL)	3.60	4.99	6.60	7.80	8.70	9.45	10.72	2
Background and Incremental	3.66	5.08	6.71	7.93	8.84	9.60	10.89	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.93	6.53	7.70	8.58	9.43	10.86	2
Background and Incremental	3.59	4.94	6.55	7.72	8.60	9.46	10.90	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.94	6.60	7.80	8.71	9.53	10.80	2
Background and Incremental	3.62	4.96	6.62	7.82	8.73	9.56	10.83	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.89	6.50	7.73	8.69	9.41	10.61	2
Background and Incremental	3.62	4.90	6.52	7.75	8.71	9.44	10.64	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-C8. Blood Lead Levels for Child (0-5 yr) of Beef Farmer: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.31	0.42	0.57	0.68	0.76	0.82	0.95	-
Background (3.6 ug/dL)	3.62	4.95	6.63	7.87	8.81	9.57	11.11	2
Background and Incremental	3.93	5.38	7.20	8.54	9.57	10.39	12.06	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.91	6.41	7.58	8.56	9.14	10.33	2
Background and Incremental	3.61	4.92	6.43	7.60	8.58	9.16	10.36	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.98	6.61	7.77	8.67	9.39	10.61	2
Background and Incremental	3.64	4.99	6.63	7.80	8.69	9.42	10.64	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.94	6.56	7.69	8.56	9.34	10.75	2
Background and Incremental	3.64	4.95	6.58	7.71	8.58	9.37	10.78	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D1. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.17	0.23	0.31	0.37	0.41	0.45	0.50	-
Background (3.6 ug/dL)	3.60	4.94	6.58	7.83	8.67	9.53	10.69	2
Background and Incremental	3.77	5.17	6.89	8.19	9.08	9.98	11.19	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.58	4.90	6.54	7.70	8.58	9.27	10.71	2
Background and Incremental	3.60	4.93	6.57	7.74	8.63	9.32	10.76	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.97	6.58	7.74	8.55	9.18	10.42	2
Background and Incremental	3.62	4.98	6.60	7.76	8.57	9.21	10.45	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.94	6.56	7.76	8.69	9.44	10.59	2
Background and Incremental	3.59	4.95	6.58	7.78	8.71	9.46	10.62	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D2. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.07	0.10	0.13	0.16	0.17	0.19	0.21	-
Background (3.6 ug/dL)	3.59	4.97	6.66	8.00	8.99	9.79	10.88	2
Background and Incremental	3.66	5.07	6.79	8.16	9.17	9.98	11.09	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.92	6.58	7.88	8.76	9.55	10.92	2
Background and Incremental	3.59	4.94	6.60	7.90	8.78	9.58	10.95	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.92	6.56	7.77	8.65	9.31	10.49	2
Background and Incremental	3.60	4.94	6.58	7.79	8.68	9.33	10.52	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.94	6.60	7.84	8.72	9.40	10.46	2
Background and Incremental	3.61	4.95	6.62	7.86	8.75	9.43	10.49	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D3. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.39	0.54	0.71	0.84	0.93	1.02	1.17	-
Background (3.6 ug/dL)	3.60	4.99	6.58	7.78	8.55	9.41	10.76	2
Background and Incremental	3.99	5.53	7.30	8.62	9.48	10.43	11.93	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.93	6.48	7.70	8.69	9.28	10.96	2
Background and Incremental	3.57	4.93	6.48	7.70	8.69	9.28	10.96	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.61	5.00	6.66	7.86	8.77	9.48	10.76	2
Background and Incremental	3.61	5.00	6.66	7.86	8.77	9.48	10.76	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.59	4.97	6.56	7.68	8.65	9.36	10.64	2
Background and Incremental	3.59	4.97	6.56	7.68	8.65	9.36	10.64	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D4. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.92	6.55	7.78	8.61	9.30	10.50	2
Background and Incremental	3.60	4.92	6.55	7.78	8.61	9.30	10.50	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.59	4.95	6.58	7.72	8.70	9.38	10.66	2
Background and Incremental	3.59	4.95	6.58	7.72	8.70	9.38	10.66	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.94	6.58	7.84	8.88	9.68	10.93	2
Background and Incremental	3.58	4.94	6.58	7.84	8.88	9.68	10.93	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.63	4.97	6.56	7.75	8.59	9.41	10.53	2
Background and Incremental	3.63	4.97	6.56	7.75	8.59	9.41	10.53	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D5. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.94	6.59	7.82	8.65	9.46	10.90	2
Background and Incremental	3.64	4.96	6.61	7.84	8.68	9.49	10.93	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.90	6.49	7.67	8.60	9.31	10.64	2
Background and Incremental	3.58	4.91	6.51	7.69	8.63	9.34	10.67	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.96	6.63	7.93	8.85	9.60	10.67	2
Background and Incremental	3.60	4.96	6.63	7.93	8.85	9.60	10.67	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.62	4.94	6.58	7.89	8.72	9.53	10.65	2
Background and Incremental	3.62	4.94	6.58	7.89	8.72	9.53	10.65	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D6. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.64	4.97	6.56	7.87	8.80	9.52	10.58	2
Background and Incremental	3.66	5.00	6.59	7.91	8.85	9.58	10.64	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.62	4.95	6.60	7.92	8.85	9.53	10.91	2
Background and Incremental	3.63	4.98	6.64	7.97	8.90	9.58	10.97	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.94	6.54	7.78	8.59	9.37	10.70	2
Background and Incremental	3.61	4.95	6.55	7.80	8.61	9.40	10.73	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.91	6.52	7.73	8.65	9.45	10.78	2
Background and Incremental	3.60	4.93	6.54	7.75	8.67	9.47	10.81	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D7. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.07	0.10	0.13	0.15	0.17	0.18	0.21	-
Background (3.6 ug/dL)	3.63	4.99	6.61	7.73	8.68	9.40	10.55	2
Background and Incremental	3.70	5.08	6.74	7.88	8.85	9.58	10.76	2
MACT Floor								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.66	7.97	8.86	9.58	10.94	2
Background and Incremental	3.63	4.96	6.68	7.99	8.89	9.61	10.97	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.96	6.55	7.84	8.81	9.60	10.95	2
Background and Incremental	3.61	4.98	6.57	7.86	8.83	9.62	10.98	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.95	6.61	7.76	8.87	9.73	11.13	2
Background and Incremental	3.61	4.97	6.62	7.78	8.90	9.75	11.16	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-D8. Blood Lead Levels for Child (0-5 yr) of Dairy Farmer: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.39	0.54	0.72	0.84	0.93	0.99	1.15	-
Background (3.6 ug/dL)	3.60	4.96	6.63	7.77	8.58	9.18	10.63	2
Background and Incremental	3.99	5.50	7.35	8.61	9.51	10.18	11.79	2
MACT Floor								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.61	7.89	8.92	9.60	10.92	2
Background and Incremental	3.63	4.96	6.63	7.91	8.95	9.62	10.95	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.90	6.53	7.69	8.71	9.45	10.79	2
Background and Incremental	3.58	4.91	6.55	7.71	8.74	9.47	10.82	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.93	6.53	7.77	8.72	9.41	10.62	2
Background and Incremental	3.59	4.94	6.55	7.79	8.74	9.43	10.65	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E1. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.13	0.18	0.24	0.28	0.32	0.34	0.39	-
Background (3.6 ug/dL)	3.60	4.94	6.54	7.87	8.78	9.51	10.82	2
Background and Incremental	3.73	5.12	6.77	8.16	9.09	9.86	11.21	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.57	4.93	6.57	7.76	8.73	9.43	10.72	2
Background and Incremental	3.59	4.96	6.60	7.80	8.78	9.49	10.78	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.93	6.58	7.85	8.77	9.65	10.77	2
Background and Incremental	3.62	4.95	6.60	7.87	8.79	9.67	10.80	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.94	6.55	7.77	8.59	9.27	10.76	2
Background and Incremental	3.60	4.95	6.57	7.79	8.62	9.30	10.79	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E2. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.06	0.08	0.11	0.13	0.14	0.16	0.18	-
Background (3.6 ug/dL)	3.62	4.96	6.58	7.88	8.81	9.56	10.89	2
Background and Incremental	3.68	5.04	6.69	8.01	8.95	9.72	11.07	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.93	6.60	7.77	8.73	9.45	10.68	2
Background and Incremental	3.63	4.94	6.62	7.79	8.75	9.47	10.71	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.89	6.58	7.83	8.86	9.71	11.11	2
Background and Incremental	3.57	4.90	6.60	7.85	8.88	9.74	11.15	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.98	6.64	7.78	8.72	9.42	10.82	2
Background and Incremental	3.62	4.99	6.66	7.80	8.74	9.44	10.85	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E3. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.31	0.42	0.57	0.67	0.74	0.80	0.89	-
Background (3.6 ug/dL)	3.60	4.94	6.58	7.75	8.61	9.32	10.37	2
Background and Incremental	3.91	5.37	7.14	8.42	9.35	10.12	11.27	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.99	6.62	7.83	8.79	9.44	10.53	2
Background and Incremental	3.60	4.99	6.62	7.83	8.79	9.44	10.53	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.63	5.00	6.65	7.89	8.80	9.44	10.88	2
Background and Incremental	3.63	5.00	6.65	7.89	8.80	9.44	10.88	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	5.00	6.67	7.98	8.96	9.77	11.11	2
Background and Incremental	3.60	5.00	6.67	7.98	8.96	9.77	11.11	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E4. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.61	4.95	6.55	7.86	8.69	9.34	10.48	2
Background and Incremental	3.61	4.95	6.55	7.86	8.69	9.34	10.48	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.90	6.57	7.81	8.81	9.53	10.92	2
Background and Incremental	3.60	4.90	6.57	7.81	8.81	9.53	10.92	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.95	6.56	7.73	8.63	9.42	10.63	2
Background and Incremental	3.60	4.95	6.56	7.73	8.63	9.42	10.63	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.95	6.57	7.66	8.65	9.37	10.43	2
Background and Incremental	3.58	4.95	6.57	7.66	8.65	9.37	10.43	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E5. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.94	6.58	7.86	8.82	9.51	10.60	2
Background and Incremental	3.64	4.96	6.60	7.88	8.85	9.53	10.63	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.98	6.64	7.94	8.81	9.77	11.16	2
Background and Incremental	3.64	4.99	6.65	7.96	8.84	9.79	11.19	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.93	6.46	7.67	8.60	9.28	10.30	2
Background and Incremental	3.58	4.93	6.46	7.67	8.60	9.28	10.30	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.91	6.53	7.75	8.59	9.33	10.41	2
Background and Incremental	3.60	4.91	6.53	7.75	8.59	9.33	10.41	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E6. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.59	4.94	6.52	7.83	8.75	9.51	10.81	2
Background and Incremental	3.61	4.97	6.55	7.87	8.80	9.56	10.87	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.56	4.97	6.56	7.73	8.62	9.32	10.36	2
Background and Incremental	3.58	4.99	6.59	7.77	8.66	9.37	10.41	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.99	6.67	7.97	8.81	9.51	10.92	2
Background and Incremental	3.61	5.01	6.69	7.99	8.84	9.54	10.95	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.96	6.56	7.69	8.51	9.27	10.55	2
Background and Incremental	3.62	4.97	6.58	7.72	8.54	9.29	10.58	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E7. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.05	0.07	0.09	0.11	0.12	0.13	0.15	-
Background (3.6 ug/dL)	3.62	4.94	6.56	7.81	8.69	9.38	10.65	2
Background and Incremental	3.67	5.01	6.65	7.92	8.81	9.51	10.80	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.91	6.47	7.67	8.59	9.38	10.70	2
Background and Incremental	3.59	4.92	6.49	7.69	8.61	9.40	10.73	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.99	6.65	7.90	8.72	9.39	10.66	2
Background and Incremental	3.64	5.01	6.67	7.92	8.75	9.41	10.69	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.94	6.62	7.79	8.71	9.38	10.83	2
Background and Incremental	3.63	4.95	6.64	7.81	8.73	9.40	10.86	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-E8. Blood Lead Levels for Child (0-5 yr) of Pork Farmer: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.31	0.42	0.56	0.67	0.75	0.82	0.90	-
Background (3.6 ug/dL)	3.56	4.89	6.50	7.75	8.76	9.47	10.51	2
Background and Incremental	3.87	5.32	7.06	8.41	9.51	10.29	11.41	2
MACT Floor								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.96	6.59	7.77	8.62	9.36	10.47	2
Background and Incremental	3.64	4.97	6.60	7.79	8.65	9.38	10.49	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.93	6.65	7.85	8.72	9.44	10.70	2
Background and Incremental	3.57	4.94	6.66	7.87	8.74	9.46	10.73	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.89	6.58	7.91	8.76	9.51	10.80	2
Background and Incremental	3.60	4.90	6.60	7.94	8.78	9.54	10.83	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F1. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.17	0.23	0.31	0.37	0.41	0.45	0.51	-
Background (3.6 ug/dL)	3.62	4.97	6.62	7.85	8.73	9.51	10.75	2
Background and Incremental	3.79	5.20	6.93	8.22	9.14	9.96	11.26	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.57	4.92	6.51	7.76	8.70	9.33	10.47	2
Background and Incremental	3.59	4.95	6.55	7.80	8.75	9.38	10.53	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.61	7.74	8.62	9.25	10.67	2
Background and Incremental	3.63	4.96	6.63	7.77	8.64	9.28	10.69	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.99	6.59	7.82	8.64	9.47	10.71	2
Background and Incremental	3.64	5.01	6.61	7.84	8.66	9.49	10.74	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F2. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.07	0.10	0.13	0.15	0.17	0.18	0.20	-
Background (3.6 ug/dL)	3.61	4.99	6.56	7.73	8.57	9.28	10.50	2
Background and Incremental	3.68	5.09	6.68	7.88	8.73	9.46	10.70	2
MACT Floor								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.93	6.57	7.77	8.72	9.52	10.71	2
Background and Incremental	3.63	4.94	6.59	7.80	8.75	9.55	10.74	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.96	6.59	7.79	8.61	9.30	10.73	2
Background and Incremental	3.63	4.97	6.61	7.81	8.63	9.32	10.76	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.89	6.51	7.73	8.70	9.26	10.43	2
Background and Incremental	3.57	4.90	6.53	7.75	8.73	9.29	10.46	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F3. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.40	0.55	0.73	0.86	0.97	1.05	1.18	-
Background (3.6 ug/dL)	3.61	4.95	6.58	7.78	8.73	9.43	10.62	2
Background and Incremental	4.01	5.51	7.31	8.64	9.70	10.48	11.80	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.55	4.90	6.47	7.66	8.50	9.23	10.53	2
Background and Incremental	3.55	4.90	6.47	7.66	8.50	9.23	10.53	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.97	6.65	7.84	8.72	9.42	10.53	2
Background and Incremental	3.60	4.97	6.65	7.84	8.72	9.42	10.53	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.59	4.95	6.64	7.78	8.62	9.52	10.80	2
Background and Incremental	3.59	4.95	6.64	7.78	8.62	9.52	10.80	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F4. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.93	6.57	7.76	8.63	9.38	10.81	2
Background and Incremental	3.58	4.93	6.57	7.76	8.63	9.38	10.81	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.92	6.61	7.80	8.64	9.39	10.69	2
Background and Incremental	3.58	4.92	6.61	7.80	8.64	9.39	10.69	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.64	5.03	6.64	7.89	8.80	9.56	10.76	2
Background and Incremental	3.64	5.03	6.64	7.89	8.80	9.56	10.76	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.59	4.97	6.52	7.65	8.58	9.31	10.43	2
Background and Incremental	3.59	4.97	6.52	7.65	8.58	9.31	10.43	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F5. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.94	6.49	7.75	8.61	9.27	10.86	2
Background and Incremental	3.63	4.96	6.51	7.77	8.64	9.29	10.89	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.97	6.66	7.84	8.89	9.52	11.03	2
Background and Incremental	3.62	4.98	6.68	7.86	8.91	9.55	11.06	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.64	4.99	6.56	7.73	8.69	9.43	10.97	2
Background and Incremental	3.64	4.99	6.56	7.73	8.69	9.43	10.97	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.96	6.64	7.86	8.80	9.56	10.81	2
Background and Incremental	3.60	4.96	6.64	7.86	8.80	9.56	10.81	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F6. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.57	4.87	6.45	7.67	8.53	9.25	10.60	2
Background and Incremental	3.59	4.90	6.49	7.72	8.58	9.30	10.66	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.57	4.90	6.53	7.79	8.73	9.57	11.01	2
Background and Incremental	3.59	4.93	6.57	7.83	8.78	9.62	11.07	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.59	7.80	8.75	9.51	11.01	2
Background and Incremental	3.63	4.96	6.61	7.82	8.78	9.54	11.04	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.95	6.55	7.78	8.74	9.51	10.82	2
Background and Incremental	3.58	4.97	6.57	7.80	8.76	9.54	10.85	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F7. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.07	0.10	0.13	0.15	0.17	0.18	0.21	-
Background (3.6 ug/dL)	3.57	4.95	6.65	7.79	8.74	9.42	10.71	2
Background and Incremental	3.64	5.04	6.78	7.94	8.91	9.60	10.92	2
MACT Floor								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.99	6.66	7.86	8.86	9.66	10.79	2
Background and Incremental	3.62	5.01	6.67	7.88	8.88	9.69	10.82	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.91	6.54	7.73	8.71	9.47	10.87	2
Background and Incremental	3.59	4.93	6.56	7.75	8.73	9.50	10.90	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	5.01	6.63	7.83	8.80	9.46	10.81	2
Background and Incremental	3.62	5.02	6.65	7.86	8.83	9.49	10.84	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-F8. Blood Lead Levels for Child (0-5 yr) of Produce Farmer: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.40	0.55	0.73	0.87	0.97	1.04	1.18	-
Background (3.6 ug/dL)	3.62	4.96	6.56	7.81	8.70	9.34	10.59	2
Background and Incremental	4.02	5.51	7.29	8.68	9.67	10.38	11.77	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.86	6.49	7.82	8.78	9.64	10.88	2
Background and Incremental	3.60	4.88	6.51	7.84	8.80	9.67	10.91	2
MACT BTF								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.92	6.53	7.77	8.62	9.17	10.35	2
Background and Incremental	3.63	4.93	6.55	7.79	8.65	9.19	10.37	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.98	6.55	7.79	8.66	9.39	10.61	2
Background and Incremental	3.59	4.99	6.57	7.81	8.68	9.41	10.64	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G1. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.27	0.37	0.49	0.59	0.66	0.72	0.81	-
Background (3.6 ug/dL)	3.62	4.95	6.56	7.86	8.80	9.56	10.85	2
Background and Incremental	3.89	5.32	7.05	8.45	9.46	10.27	11.66	2
MACT Floor								
Incremental	0.03	0.04	0.06	0.07	0.07	0.08	0.09	-
Background (3.6 ug/dL)	3.59	4.96	6.62	7.89	8.89	9.59	10.93	2
Background and Incremental	3.62	5.00	6.68	7.96	8.97	9.67	11.02	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.90	6.48	7.78	8.65	9.30	10.79	2
Background and Incremental	3.59	4.92	6.50	7.81	8.67	9.33	10.82	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.96	6.51	7.80	8.70	9.53	10.93	2
Background and Incremental	3.62	4.97	6.53	7.82	8.73	9.56	10.96	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G2. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.09	0.12	0.16	0.19	0.22	0.24	0.27	-
Background (3.6 ug/dL)	3.58	4.92	6.56	7.79	8.66	9.49	10.66	2
Background and Incremental	3.67	5.04	6.72	7.98	8.88	9.72	10.93	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.93	6.65	7.93	8.80	9.55	10.93	2
Background and Incremental	3.58	4.95	6.67	7.95	8.82	9.57	10.96	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.95	6.58	7.71	8.63	9.48	10.70	2
Background and Incremental	3.61	4.97	6.60	7.73	8.66	9.51	10.73	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.93	6.56	7.72	8.57	9.24	10.48	2
Background and Incremental	3.61	4.95	6.58	7.74	8.59	9.26	10.51	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G3. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.37	0.50	0.68	0.82	0.92	1.00	1.13	-
Background (3.6 ug/dL)	3.60	4.92	6.64	7.94	8.91	9.74	11.01	2
Background and Incremental	3.96	5.42	7.32	8.75	9.82	10.74	12.14	2
MACT Floor								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	5.01	6.68	7.86	8.73	9.43	10.56	2
Background and Incremental	3.63	5.02	6.70	7.88	8.76	9.46	10.59	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.94	6.65	7.79	8.71	9.40	10.74	2
Background and Incremental	3.59	4.95	6.66	7.81	8.73	9.42	10.77	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.99	6.59	7.77	8.69	9.43	10.94	2
Background and Incremental	3.64	5.00	6.61	7.79	8.71	9.45	10.97	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G4. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.59	4.94	6.61	7.81	8.71	9.44	10.54	2
Background and Incremental	3.59	4.94	6.61	7.81	8.71	9.44	10.54	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.97	6.66	7.91	8.88	9.66	11.04	2
Background and Incremental	3.60	4.97	6.66	7.91	8.88	9.66	11.04	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.54	4.86	6.44	7.70	8.70	9.54	10.63	2
Background and Incremental	3.54	4.86	6.44	7.70	8.70	9.54	10.63	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.93	6.58	7.77	8.66	9.51	10.79	2
Background and Incremental	3.58	4.93	6.58	7.77	8.66	9.51	10.79	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G5. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.93	6.50	7.74	8.72	9.39	10.64	2
Background and Incremental	3.59	4.94	6.52	7.76	8.74	9.42	10.67	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.94	6.53	7.80	8.76	9.35	10.41	2
Background and Incremental	3.59	4.96	6.55	7.82	8.78	9.38	10.44	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.61	4.90	6.51	7.74	8.73	9.51	10.74	2
Background and Incremental	3.61	4.90	6.51	7.74	8.73	9.51	10.74	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.91	6.57	7.74	8.61	9.25	10.74	2
Background and Incremental	3.58	4.91	6.57	7.74	8.61	9.25	10.74	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G6. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.58	4.90	6.54	7.77	8.69	9.49	10.80	2
Background and Incremental	3.60	4.93	6.58	7.81	8.74	9.54	10.86	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.58	4.94	6.56	7.84	8.81	9.53	10.73	2
Background and Incremental	3.60	4.96	6.60	7.88	8.86	9.58	10.78	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.89	6.53	7.83	8.76	9.51	10.98	2
Background and Incremental	3.58	4.90	6.54	7.85	8.78	9.53	11.01	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.93	6.52	7.71	8.59	9.31	10.28	2
Background and Incremental	3.60	4.94	6.54	7.73	8.61	9.33	10.31	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G7. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.09	0.12	0.16	0.19	0.22	0.23	0.27	-
Background (3.6 ug/dL)	3.60	4.98	6.58	7.79	8.66	9.45	10.79	2
Background and Incremental	3.69	5.10	6.75	7.98	8.87	9.68	11.06	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.92	6.59	7.86	8.71	9.42	10.60	2
Background and Incremental	3.58	4.93	6.61	7.88	8.73	9.44	10.63	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.94	6.59	7.81	8.72	9.45	10.86	2
Background and Incremental	3.58	4.95	6.61	7.83	8.74	9.48	10.89	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.89	6.50	7.74	8.59	9.31	10.39	2
Background and Incremental	3.61	4.91	6.52	7.76	8.62	9.34	10.42	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-G8. Blood Lead Levels for Child (0-5 yr) of Subsistence Fisher: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.37	0.50	0.67	0.80	0.89	0.97	1.08	-
Background (3.6 ug/dL)	3.60	4.91	6.54	7.78	8.71	9.41	10.54	2
Background and Incremental	3.97	5.41	7.21	8.58	9.60	10.37	11.63	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.96	6.60	7.84	8.76	9.61	10.87	2
Background and Incremental	3.61	4.98	6.62	7.86	8.78	9.63	10.90	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.94	6.58	7.76	8.63	9.40	10.65	2
Background and Incremental	3.58	4.96	6.59	7.78	8.66	9.42	10.68	2
MACT std								
Incremental	0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.96	6.59	7.83	8.76	9.50	10.73	2
Background and Incremental	3.62	4.97	6.60	7.85	8.78	9.53	10.76	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H1. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.26	0.35	0.47	0.56	0.62	0.67	0.77	-
Background (3.6 ug/dL)	3.59	4.93	6.53	7.74	8.63	9.41	10.77	2
Background and Incremental	3.85	5.28	6.99	8.29	9.25	10.08	11.54	2
MACT Floor								
Incremental	0.03	0.04	0.05	0.06	0.07	0.08	0.09	-
Background (3.6 ug/dL)	3.56	4.94	6.49	7.71	8.58	9.50	10.77	2
Background and Incremental	3.59	4.98	6.54	7.78	8.65	9.58	10.86	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.95	6.60	7.91	8.73	9.53	11.06	2
Background and Incremental	3.62	4.96	6.62	7.93	8.76	9.55	11.09	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.97	6.59	7.82	8.76	9.41	10.78	2
Background and Incremental	3.62	4.99	6.61	7.84	8.79	9.44	10.81	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H2. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.12	0.16	0.21	0.25	0.28	0.31	0.35	-
Background (3.6 ug/dL)	3.57	4.91	6.47	7.68	8.55	9.41	10.65	2
Background and Incremental	3.69	5.07	6.69	7.93	8.83	9.72	11.00	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.60	4.94	6.60	7.84	8.80	9.52	11.00	2
Background and Incremental	3.62	4.96	6.63	7.89	8.85	9.57	11.06	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	5.02	6.60	7.84	8.86	9.54	10.98	2
Background and Incremental	3.63	5.03	6.62	7.87	8.88	9.57	11.01	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.92	6.55	7.69	8.66	9.35	10.57	2
Background and Incremental	3.59	4.93	6.57	7.71	8.69	9.38	10.60	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H3. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.63	0.87	1.17	1.38	1.54	1.66	1.91	-
Background (3.6 ug/dL)	3.58	4.94	6.61	7.82	8.71	9.42	10.80	2
Background and Incremental	4.20	5.82	7.78	9.20	10.25	11.09	12.71	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.94	6.57	7.80	8.75	9.58	11.04	2
Background and Incremental	3.61	4.95	6.59	7.83	8.77	9.61	11.07	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.93	6.66	7.93	8.81	9.46	10.54	2
Background and Incremental	3.61	4.94	6.67	7.95	8.83	9.48	10.57	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.58	7.86	8.77	9.63	11.04	2
Background and Incremental	3.63	4.96	6.59	7.88	8.79	9.66	11.07	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H4. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.93	6.61	7.85	8.82	9.54	10.95	2
Background and Incremental	3.58	4.93	6.61	7.85	8.82	9.54	10.95	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.94	6.50	7.70	8.62	9.40	10.67	2
Background and Incremental	3.58	4.94	6.50	7.70	8.62	9.40	10.67	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.94	6.61	7.93	8.81	9.50	10.93	2
Background and Incremental	3.57	4.94	6.61	7.93	8.81	9.50	10.93	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.64	4.98	6.64	7.94	8.93	9.56	10.89	2
Background and Incremental	3.64	4.98	6.64	7.94	8.93	9.56	10.89	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H5. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.96	6.59	7.92	8.76	9.47	10.69	2
Background and Incremental	3.62	4.97	6.61	7.94	8.78	9.50	10.72	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.99	6.74	7.99	8.87	9.53	10.92	2
Background and Incremental	3.61	5.00	6.76	8.01	8.90	9.55	10.95	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.61	4.97	6.63	7.92	8.84	9.65	10.82	2
Background and Incremental	3.61	4.97	6.63	7.92	8.84	9.65	10.82	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.56	4.92	6.69	7.95	8.90	9.54	10.90	2
Background and Incremental	3.56	4.92	6.69	7.95	8.90	9.54	10.90	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H6. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.04	0.05	0.07	0.08	0.09	0.10	0.12	-
Background (3.6 ug/dL)	3.56	4.93	6.62	7.82	8.73	9.39	10.66	2
Background and Incremental	3.60	4.98	6.69	7.91	8.82	9.49	10.78	2
MACT Floor								
Incremental	0.03	0.04	0.05	0.06	0.07	0.08	0.09	-
Background (3.6 ug/dL)	3.62	4.96	6.69	7.93	8.81	9.54	10.73	2
Background and Incremental	3.65	5.00	6.75	8.00	8.89	9.62	10.82	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.93	6.59	7.83	8.79	9.50	10.61	2
Background and Incremental	3.61	4.95	6.61	7.86	8.82	9.52	10.64	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.92	6.52	7.77	8.66	9.27	10.56	2
Background and Incremental	3.59	4.94	6.54	7.79	8.68	9.30	10.58	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H7. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.11	0.15	0.20	0.24	0.26	0.29	0.32	-
Background (3.6 ug/dL)	3.61	4.93	6.55	7.79	8.73	9.43	10.72	2
Background and Incremental	3.71	5.08	6.75	8.02	8.99	9.72	11.05	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.62	4.94	6.58	7.77	8.63	9.34	10.60	2
Background and Incremental	3.64	4.96	6.61	7.82	8.68	9.39	10.66	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.90	6.57	7.75	8.59	9.38	10.80	2
Background and Incremental	3.59	4.92	6.59	7.78	8.61	9.40	10.83	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.96	6.58	7.70	8.64	9.43	10.74	2
Background and Incremental	3.61	4.97	6.60	7.72	8.66	9.46	10.77	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table IV-H8. Blood Lead Levels for Child (0-5 yr) of Subsistence Farmer: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.64	0.88	1.17	1.40	1.56	1.70	1.94	-
Background (3.6 ug/dL)	3.62	4.95	6.62	7.91	8.80	9.62	10.90	2
Background and Incremental	4.26	5.83	7.79	9.31	10.36	11.33	12.83	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.61	4.94	6.51	7.58	8.51	9.17	10.57	2
Background and Incremental	3.63	4.97	6.55	7.62	8.56	9.22	10.63	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.57	4.93	6.46	7.73	8.59	9.39	10.55	2
Background and Incremental	3.58	4.94	6.48	7.75	8.61	9.42	10.58	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.90	6.53	7.77	8.71	9.51	10.84	2
Background and Incremental	3.62	4.91	6.55	7.79	8.74	9.54	10.87	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Section V. Recreational Fisher Risk Results

This section contains risk results for the recreational fisher, including (1) exposure parameter variability analysis for methylmercury; (2) individual lead variability results; (3) detailed individual risk and hazard quotients results; and (4) a qualitative estimate of the number of recreational fishers associated with rural sites having modeled waterbody hazard quotients of potential concern. Because sector-level population estimates were not generated for the recreational fisher, risk values presented in this section are based on an assumption of equal population distribution across all sectors.

- Section V-A: results of the exposure parameter variability analysis for methylmercury for Baseline and all MACT options. Because dioxin is not a constituent of interest in this component of the analysis, waste heat boilers are not presented as a separate combustor category.

- Section V-C: individual lead variability risk results for children (0-5 years of age) of adult recreational fishers. The tables contains results for Baseline and all MACT options. Because dioxin is not a constituent of interest in this component of the analysis, waste heat boilers are not presented as a separate combustor category.

- Section V-D: detailed individual risks and hazard quotients for Baseline and all MACT options for each combustor category. Because dioxin is a constituent of interest, results are presented for waste heat boilers as a separate combustor category.

- Table V-E1: contains qualitative estimates of the number of recreational fishers associated with rural sites having modeled waterbody hazard quotients above the health benchmark level (HQ>1.0). The recreational fisher totals presented in the table are qualitative because it is not possible to state definitively that fishing activity will occur exclusively at the modeled waterbodies evaluated for each site. Potential at-risk facilities are identified as those sites having 95th percentile methylmercury hazard quotients, reflective of exposure parameter variability, greater than or equal to 1 for modeled waterbodies. The proportion of the population above an HQ of 1 at "at-risk" sites is also presented. Results are presented for baseline and all of the MACT options for each combustor category.

Ninety percent confidence intervals reflecting sampling error were generated for the majority of risk categories evaluated for the recreational fisher. However, confidence intervals for methylmercury could not be estimated due to an insufficient spread of modeled risk values (see Introduction). In addition, confidence intervals reflecting sampling error were not generated for lightweight aggregate kilns because risk results for this category of facilities are based on modeling all facilities and consequently there is no sampling error. In addition, there are only two area source cement kilns in the facility population and both were sampled and modeled. Accordingly, no sampling error exists and no confidence intervals were generated.

Table V-A1. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: Cement Kilns

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	1E-02	6E-02	2E-01	3E-01	5E-01	1E+00	2
	6-11	8E-03	4E-02	1E-01	2E-01	3E-01	7E-01	<1
	12-19	5E-03	2E-02	7E-02	1E-01	2E-01	3E-01	<1
	20 +	6E-03	3E-02	1E-01	2E-01	3E-01	5E-01	<1
MACT_Floor								
	0-5	1E-02	6E-02	2E-01	3E-01	4E-01	8E-01	<1
	6-11	7E-03	4E-02	1E-01	2E-01	3E-01	5E-01	<1
	12-19	5E-03	2E-02	6E-02	9E-02	1E-01	3E-01	<1
	20 +	5E-03	2E-02	6E-02	1E-01	2E-01	3E-01	<1
MACT_BTF								
	0-5	6E-03	2E-02	7E-02	1E-01	2E-01	3E-01	<1
	6-11	4E-03	2E-02	5E-02	8E-02	1E-01	2E-01	<1
	12-19	2E-03	9E-03	3E-02	4E-02	6E-02	1E-01	0
	20 +	3E-03	1E-02	3E-02	5E-02	7E-02	1E-01	0
MACT_std								
	0-5	1E-02	6E-02	2E-01	3E-01	4E-01	7E-01	<1
	6-11	8E-03	4E-02	1E-01	2E-01	3E-01	5E-01	<1
	12-19	5E-03	2E-02	5E-02	9E-02	1E-01	2E-01	<1
	20 +	5E-03	2E-02	6E-02	1E-01	1E-01	3E-01	<1

Table V-A2. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: Area Source Cement Kilns

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	2E-01	4E-01	9E-01	1E+00	2E+00	3E+00	8
	6-11	1E-01	3E-01	5E-01	8E-01	1E+00	2E+00	4
	12-19	4E-02	1E-01	2E-01	3E-01	4E-01	6E-01	<1
	20 +	7E-02	2E-01	4E-01	6E-01	9E-01	1E+00	3
MACT_Floor								
	0-5	1E-01	3E-01	6E-01	1E+00	1E+00	2E+00	5
	6-11	8E-02	2E-01	4E-01	6E-01	7E-01	1E+00	2
	12-19	4E-02	1E-01	2E-01	3E-01	4E-01	6E-01	<1
	20 +	5E-02	1E-01	2E-01	3E-01	5E-01	7E-01	<1
MACT_BTF								
	0-5	4E-02	8E-02	2E-01	2E-01	3E-01	5E-01	<1
	6-11	2E-02	5E-02	1E-01	1E-01	2E-01	3E-01	<1
	12-19	1E-02	3E-02	6E-02	9E-02	1E-01	2E-01	0
	20 +	1E-02	3E-02	7E-02	1E-01	1E-01	2E-01	<1
MACT_std								
	0-5	1E-01	3E-01	6E-01	1E+00	1E+00	2E+00	5
	6-11	8E-02	2E-01	4E-01	6E-01	8E-01	1E+00	2
	12-19	4E-02	1E-01	2E-01	3E-01	4E-01	7E-01	<1
	20 +	5E-02	1E-01	2E-01	3E-01	4E-01	7E-01	<1

Table V-A3. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: Lightweight Aggregate Kilns

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	2E-03	9E-03	3E-02	4E-02	6E-02	1E-01	0
	6-11	1E-03	5E-03	1E-02	2E-02	3E-02	5E-02	0
	12-19	6E-04	3E-03	9E-03	2E-02	2E-02	3E-02	0
	20 +	8E-04	4E-03	1E-02	2E-02	3E-02	4E-02	0
MACT_Floor								
	0-5	2E-03	6E-03	2E-02	3E-02	5E-02	9E-02	0
	6-11	9E-04	3E-03	9E-03	2E-02	2E-02	4E-02	0
	12-19	5E-04	2E-03	6E-03	1E-02	2E-02	3E-02	0
	20 +	7E-04	3E-03	8E-03	1E-02	2E-02	3E-02	0
MACT_BTF								
	0-5	8E-04	2E-03	5E-03	9E-03	1E-02	2E-02	0
	6-11	6E-04	1E-03	4E-03	6E-03	8E-03	1E-02	0
	12-19	3E-04	8E-04	2E-03	3E-03	4E-03	7E-03	0
	20 +	4E-04	9E-04	2E-03	4E-03	5E-03	9E-03	0
MACT_std								
	0-5	2E-03	6E-03	2E-02	3E-02	5E-02	9E-02	0
	6-11	9E-04	3E-03	9E-03	2E-02	2E-02	4E-02	0
	12-19	5E-04	2E-03	6E-03	1E-02	1E-02	3E-02	0
	20 +	7E-04	2E-03	8E-03	1E-02	2E-02	3E-02	0

Table V-A4. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: All Incinerators

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	8E-06	2E-04	2E-03	5E-03	8E-03	2E-02	0
	6-11	4E-06	1E-04	1E-03	3E-03	5E-03	1E-02	0
	12-19	2E-06	5E-05	6E-04	2E-03	3E-03	7E-03	0
	20 +	3E-06	6E-05	7E-04	2E-03	4E-03	9E-03	0
MACT_Floor								
	0-5	6E-06	1E-04	1E-03	4E-03	7E-03	2E-02	0
	6-11	3E-06	7E-05	7E-04	2E-03	4E-03	1E-02	0
	12-19	2E-06	5E-05	5E-04	1E-03	3E-03	6E-03	0
	20 +	2E-06	5E-05	5E-04	2E-03	3E-03	8E-03	0
MACT_BTF								
	0-5	3E-06	4E-05	4E-04	1E-03	2E-03	4E-03	0
	6-11	2E-06	3E-05	3E-04	6E-04	1E-03	2E-03	0
	12-19	1E-06	2E-05	2E-04	4E-04	7E-04	1E-03	0
	20 +	1E-06	2E-05	2E-04	5E-04	7E-04	2E-03	0
MACT_std								
	0-5	6E-06	1E-04	1E-03	3E-03	6E-03	2E-02	0
	6-11	3E-06	6E-05	7E-04	2E-03	4E-03	1E-02	0
	12-19	2E-06	4E-05	4E-04	1E-03	2E-03	6E-03	0
	20 +	3E-06	5E-05	5E-04	2E-03	3E-03	1E-02	0

Table V-A5. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: Area Source Incinerators

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	6E-06	9E-05	1E-03	3E-03	5E-03	1E-02	0
	6-11	4E-06	5E-05	8E-04	2E-03	3E-03	8E-03	0
	12-19	2E-06	4E-05	5E-04	1E-03	2E-03	5E-03	0
	20 +	3E-06	5E-05	6E-04	1E-03	2E-03	5E-03	0
MACT_Floor								
	0-5	7E-06	5E-05	1E-03	3E-03	5E-03	1E-02	0
	6-11	4E-06	3E-05	6E-04	2E-03	3E-03	8E-03	0
	12-19	2E-06	2E-05	4E-04	1E-03	2E-03	4E-03	0
	20 +	3E-06	3E-05	4E-04	1E-03	2E-03	5E-03	0
MACT_BTF								
	0-5	4E-06	2E-05	2E-04	4E-04	7E-04	1E-03	0
	6-11	3E-06	1E-05	9E-05	2E-04	4E-04	9E-04	0
	12-19	2E-06	7E-06	5E-05	1E-04	2E-04	5E-04	0
	20 +	2E-06	1E-05	7E-05	2E-04	3E-04	6E-04	0
MACT_std								
	0-5	6E-06	4E-05	9E-04	3E-03	5E-03	1E-02	0
	6-11	4E-06	3E-05	6E-04	2E-03	3E-03	7E-03	0
	12-19	2E-06	2E-05	4E-04	1E-03	2E-03	4E-03	0
	20 +	3E-06	2E-05	4E-04	1E-03	2E-03	5E-03	0

Table V-A6. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: Commercial Incinerators

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	1E-04	1E-03	5E-03	8E-03	1E-02	2E-02	0
	6-11	6E-05	8E-04	3E-03	5E-03	7E-03	1E-02	0
	12-19	4E-05	4E-04	2E-03	3E-03	4E-03	8E-03	0
	20 +	4E-05	5E-04	2E-03	3E-03	5E-03	9E-03	0
MACT_Floor								
	0-5	4E-05	6E-04	3E-03	5E-03	8E-03	2E-02	0
	6-11	3E-05	4E-04	2E-03	3E-03	5E-03	1E-02	0
	12-19	2E-05	2E-04	1E-03	2E-03	3E-03	6E-03	0
	20 +	2E-05	3E-04	1E-03	2E-03	3E-03	6E-03	0
MACT_BTF								
	0-5	9E-06	8E-05	3E-04	6E-04	9E-04	2E-03	0
	6-11	6E-06	5E-05	2E-04	4E-04	6E-04	1E-03	0
	12-19	3E-06	3E-05	1E-04	2E-04	3E-04	6E-04	0
	20 +	4E-06	4E-05	1E-04	2E-04	3E-04	7E-04	0
MACT_std								
	0-5	5E-05	7E-04	3E-03	6E-03	8E-03	2E-02	0
	6-11	3E-05	4E-04	1E-03	3E-03	5E-03	1E-02	0
	12-19	2E-05	2E-04	1E-03	2E-03	3E-03	6E-03	0
	20 +	2E-05	3E-04	1E-03	2E-03	3E-03	6E-03	0

Table V-A7. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: Large Onsite Incinerators

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	3E-06	7E-05	7E-04	3E-03	5E-03	1E-02	0
	6-11	9E-07	4E-05	5E-04	2E-03	3E-03	7E-03	0
	12-19	5E-07	2E-05	3E-04	1E-03	2E-03	4E-03	0
	20 +	3E-07	3E-05	4E-04	1E-03	2E-03	5E-03	0
MACT_Floor								
	0-5	2E-06	7E-05	6E-04	2E-03	3E-03	9E-03	0
	6-11	4E-07	4E-05	4E-04	1E-03	2E-03	5E-03	0
	12-19	2E-07	2E-05	2E-04	8E-04	2E-03	4E-03	0
	20 +	8E-08	3E-05	2E-04	8E-04	2E-03	4E-03	0
MACT_BTF								
	0-5	2E-07	3E-05	2E-04	5E-04	9E-04	2E-03	0
	6-11	5E-08	2E-05	1E-04	3E-04	6E-04	2E-03	0
	12-19	3E-08	1E-05	7E-05	2E-04	4E-04	1E-03	0
	20 +	2E-08	1E-05	8E-05	2E-04	4E-04	1E-03	0
MACT_std								
	0-5	1E-06	6E-05	5E-04	2E-03	4E-03	9E-03	0
	6-11	5E-07	4E-05	4E-04	1E-03	2E-03	6E-03	0
	12-19	2E-07	2E-05	2E-04	8E-04	2E-03	4E-03	0
	20 +	1E-07	3E-05	2E-04	9E-04	2E-03	4E-03	0

Table V-A8. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameters Variability: Small Onsite Incinerators

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	6E-06	9E-05	1E-03	5E-03	9E-03	2E-02	0
	6-11	4E-06	6E-05	8E-04	3E-03	6E-03	2E-02	0
	12-19	2E-06	3E-05	5E-04	2E-03	3E-03	7E-03	0
	20 +	3E-06	4E-05	6E-04	2E-03	5E-03	1E-02	0
MACT_Floor								
	0-5	6E-06	9E-05	1E-03	5E-03	1E-02	2E-02	0
	6-11	4E-06	6E-05	7E-04	3E-03	7E-03	2E-02	0
	12-19	2E-06	3E-05	4E-04	2E-03	3E-03	8E-03	0
	20 +	2E-06	3E-05	5E-04	2E-03	4E-03	1E-02	0
MACT_BTF								
	0-5	3E-06	4E-05	7E-04	2E-03	3E-03	6E-03	0
	6-11	2E-06	3E-05	4E-04	8E-04	1E-03	3E-03	0
	12-19	1E-06	2E-05	2E-04	5E-04	9E-04	2E-03	0
	20 +	1E-06	2E-05	3E-04	6E-04	1E-03	2E-03	0
MACT_std								
	0-5	6E-06	9E-05	1E-03	4E-03	8E-03	2E-02	0
	6-11	4E-06	6E-05	7E-04	3E-03	6E-03	2E-02	0
	12-19	2E-06	3E-05	4E-04	2E-03	3E-03	8E-03	0
	20 +	2E-06	4E-05	5E-04	2E-03	5E-03	1E-02	0

Table V-A9. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Cement Kilns

Compound: Methyl Mercury															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	1E-02	*(7E-03, 2E-02)*	6E-02	*(4E-02, 9E-02)*	2E-01	*(1E-01, 3E-01)*	3E-01	*(2E-01, 5E-01)*	5E-01	*(3E-01, 6E-01)*	8E-01	*	0.94	*(0.42, 2.09)*
	6-11	8E-03	*(4E-03, 2E-02)*	4E-02	*(3E-02, 6E-02)*	1E-01	*(9E-02, 2E-01)*	2E-01	*(2E-01, 3E-01)*	3E-01	*(2E-01, 4E-01)*	5E-01	*	0.31	*(0.14, 0.70)*
	12-19	5E-03	*(3E-03, 9E-03)*	2E-02	*(2E-02, 3E-02)*	7E-02	*(5E-02, 8E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*		-
	20 +	5E-03	*(3E-03, 1E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*(6E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	4E-01	*	0.31	*(0.14, 0.70)*
MACT Floor															
	0-5	1E-02	*(6E-03, 2E-02)*	5E-02	*(4E-02, 7E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	4E-01	*(3E-01, 5E-01)*	6E-01	*	0.63	*(0.28, 1.39)*
	6-11	8E-03	*(4E-03, 1E-02)*	3E-02	*(3E-02, 5E-02)*	9E-02	*(7E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	4E-01	*	0.31	*(0.14, 0.70)*
	12-19	5E-03	*(3E-03, 7E-03)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(4E-02, 7E-02)*	9E-02	*(7E-02, 1E-01)*	1E-01	*(9E-02, 2E-01)*	2E-01	*		-
	20 +	5E-03	*(3E-03, 9E-03)*	2E-02	*(2E-02, 3E-02)*	6E-02	*(5E-02, 8E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*		-
MACT BTF															
	0-5	5E-03	*(3E-03, 8E-03)*	2E-02	*(2E-02, 3E-02)*	6E-02	*(5E-02, 8E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*		-
	6-11	4E-03	*(2E-03, 6E-03)*	2E-02	*(1E-02, 2E-02)*	5E-02	*(3E-02, 6E-02)*	8E-02	*(5E-02, 9E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*		-
	12-19	2E-03	*(1E-03, 3E-03)*	9E-03	*(6E-03, 1E-02)*	3E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 5E-02)*	6E-02	*(4E-02, 7E-02)*	1E-01	*		-
	20 +	3E-03	*(2E-03, 4E-03)*	1E-02	*(7E-03, 1E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*	6E-02	*(5E-02, 8E-02)*	1E-01	*		-
MACT Standard															
	0-5	1E-02	*(6E-03, 2E-02)*	5E-02	*(4E-02, 7E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	4E-01	*(3E-01, 5E-01)*	6E-01	*	0.63	*(0.28, 1.39)*
	6-11	8E-03	*(4E-03, 1E-02)*	3E-02	*(3E-02, 5E-02)*	9E-02	*(7E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	4E-01	*	0.31	*(0.14, 0.70)*
	12-19	5E-03	*(3E-03, 7E-03)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(4E-02, 7E-02)*	9E-02	*(7E-02, 1E-01)*	1E-01	*(9E-02, 2E-01)*	2E-01	*		-
	20 +	5E-03	*(3E-03, 9E-03)*	2E-02	*(2E-02, 3E-02)*	6E-02	*(5E-02, 8E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-A10. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Area Source Cement Kilns

Compound: Methyl Mercury															
		Percentile of Risk Distribution													
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**	
Baseline															
	0-5	2E-01	*(1E-01, 2E-01)*	4E-01	*(3E-01, 5E-01)*	8E-01	*(6E-01, 9E-01)*	**1**	***(9E-01, 1)***	**1**	*	*	*	8.48	*(5.98, 11.9)*
	6-11	1E-01	*(7E-02, 1E-01)*	3E-01	*(2E-01, 3E-01)*	5E-01	*(4E-01, 6E-01)*	7E-01	*(6E-01, 9E-01)*	9E-01	*	*	*	2.83	*(2.00, 3.98)*
	12-19	4E-02	*(3E-02, 5E-02)*	1E-01	*(7E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	3E-01	*	*	*		-
	20 +	7E-02	*(4E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	4E-01	*(3E-01, 5E-01)*	6E-01	*(5E-01, 7E-01)*	7E-01	*	*	*	2.83	*(2.00, 3.98)*
MACT Floor															
	0-5	1E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 4E-01)*	6E-01	*(5E-01, 7E-01)*	9E-01	*(7E-01, 1)*	**1**	*	*	*	5.65	*(4.00, 7.94)*
	6-11	8E-02	*(6E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(3E-01, 4E-01)*	5E-01	*(4E-01, 6E-01)*	6E-01	*	*	*	2.83	*(2.00, 3.98)*
	12-19	4E-02	*(3E-02, 5E-02)*	1E-01	*(7E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	3E-01	*	*	*		-
	20 +	5E-02	*(4E-02, 6E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	4E-01	*	*	*		-
MACT BTF															
	0-5	4E-02	*(3E-02, 5E-02)*	8E-02	*(7E-02, 9E-02)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(2E-01, 2E-01)*	2E-01	*	*	*		-
	6-11	2E-02	*(2E-02, 3E-02)*	5E-02	*(4E-02, 6E-02)*	9E-02	*(8E-02, 1E-01)*	1E-01	*(1E-01, 1E-01)*	2E-01	*	*	*		-
	12-19	1E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*	6E-02	*(5E-02, 6E-02)*	8E-02	*(6E-02, 9E-02)*	1E-01	*	*	*		-
	20 +	2E-02	*(1E-02, 2E-02)*	3E-02	*(3E-02, 4E-02)*	6E-02	*(5E-02, 7E-02)*	9E-02	*(7E-02, 1E-01)*	1E-01	*	*	*		-
MACT Standard															
	0-5	1E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 4E-01)*	6E-01	*(5E-01, 7E-01)*	9E-01	*(7E-01, 1)*	**1**	*	*	*	5.65	*(4.00, 7.94)*
	6-11	8E-02	*(6E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(3E-01, 4E-01)*	5E-01	*(4E-01, 6E-01)*	6E-01	*	*	*	2.83	*(2.00, 3.98)*
	12-19	4E-02	*(3E-02, 5E-02)*	1E-01	*(7E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	3E-01	*	*	*		-
	20 +	5E-02	*(4E-02, 6E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	4E-01	*	*	*		-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-A11. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Lightweight Aggregate Kilns

Compound: Methyl Mercury								
		Percentile of Risk Distribution						
	Age Group	***50%***	***75%***	***90%***	***95%***	***97%***	***99%***	**%>HBL**
Baseline								
	0-5	2E-03	9E-03	2E-02	4E-02	5E-02	*	-
	6-11	1E-03	5E-03	1E-02	2E-02	3E-02	*	-
	12-19	6E-04	3E-03	8E-03	1E-02	2E-02	*	-
	20 +	8E-04	4E-03	1E-02	2E-02	2E-02	*	-
MACT Floor								
	0-5	2E-03	6E-03	2E-02	3E-02	4E-02	*	-
	6-11	9E-04	3E-03	8E-03	2E-02	2E-02	*	-
	12-19	5E-04	2E-03	6E-03	1E-02	1E-02	*	-
	20 +	6E-04	2E-03	7E-03	1E-02	2E-02	*	-
MACT BTF								
	0-5	8E-04	2E-03	5E-03	7E-03	1E-02	*	-
	6-11	5E-04	1E-03	3E-03	5E-03	7E-03	*	-
	12-19	3E-04	8E-04	2E-03	3E-03	4E-03	*	-
	20 +	4E-04	9E-04	2E-03	3E-03	4E-03	*	-
MACT Standard								
	0-5	2E-03	6E-03	2E-02	3E-02	4E-02	*	-
	6-11	9E-04	3E-03	8E-03	2E-02	2E-02	*	-
	12-19	5E-04	2E-03	6E-03	1E-02	1E-02	*	-
	20 +	6E-04	2E-03	7E-03	1E-02	2E-02	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-A12. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: All Incinerators

Compound: Methyl Mercury														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	6E-06	*(2E-06, 2E-05)*	1E-04	*(4E-05, 4E-04)*	2E-03	*(6E-04, 3E-03)*	4E-03	*(2E-03, 8E-03)*	7E-03	*(3E-03, 1E-02)*	2E-02	*	-
	6-11	4E-06	*(1E-06, 1E-05)*	9E-05	*(3E-05, 2E-04)*	1E-03	*(4E-04, 2E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 9E-03)*	1E-02	*	-
	12-19	2E-06	*(7E-07, 6E-06)*	5E-05	*(2E-05, 2E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*(7E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	7E-03	*	-
	20 +	3E-06	*(8E-07, 7E-06)*	6E-05	*(2E-05, 2E-04)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(8E-04, 4E-03)*	4E-03	*(1E-03, 7E-03)*	9E-03	*	-
MACT Floor														
	0-5	6E-06	*(2E-06, 2E-05)*	1E-04	*(4E-05, 3E-04)*	1E-03	*(5E-04, 3E-03)*	4E-03	*(1E-03, 8E-03)*	7E-03	*(2E-03, 1E-02)*	2E-02	*	-
	6-11	4E-06	*(1E-06, 1E-05)*	7E-05	*(2E-05, 2E-04)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(8E-04, 5E-03)*	5E-03	*(1E-03, 9E-03)*	1E-02	*	-
	12-19	2E-06	*(6E-07, 6E-06)*	4E-05	*(2E-05, 1E-04)*	4E-04	*(2E-04, 1E-03)*	1E-03	*(5E-04, 3E-03)*	2E-03	*(9E-04, 5E-03)*	6E-03	*	-
	20 +	3E-06	*(7E-07, 7E-06)*	5E-05	*(2E-05, 1E-04)*	5E-04	*(2E-04, 1E-03)*	2E-03	*(5E-04, 4E-03)*	3E-03	*(1E-03, 6E-03)*	8E-03	*	-
MACT BTF														
	0-5	3E-06	*(1E-06, 7E-06)*	4E-05	*(2E-05, 1E-04)*	4E-04	*(1E-04, 8E-04)*	1E-03	*(4E-04, 2E-03)*	2E-03	*(7E-04, 3E-03)*	4E-03	*	-
	6-11	2E-06	*(6E-07, 5E-06)*	3E-05	*(1E-05, 6E-05)*	2E-04	*(8E-05, 5E-04)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*	-
	12-19	1E-06	*(3E-07, 3E-06)*	2E-05	*(6E-06, 4E-05)*	2E-04	*(5E-05, 3E-04)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	1E-03	*	-
	20 +	1E-06	*(4E-07, 3E-06)*	2E-05	*(8E-06, 5E-05)*	2E-04	*(6E-05, 4E-04)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(3E-04, 1E-03)*	2E-03	*	-
MACT Standard														
	0-5	6E-06	*(2E-06, 2E-05)*	1E-04	*(4E-05, 3E-04)*	1E-03	*(5E-04, 3E-03)*	4E-03	*(1E-03, 8E-03)*	7E-03	*(2E-03, 1E-02)*	2E-02	*	-
	6-11	4E-06	*(1E-06, 1E-05)*	7E-05	*(2E-05, 2E-04)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(8E-04, 5E-03)*	5E-03	*(1E-03, 9E-03)*	1E-02	*	-
	12-19	2E-06	*(6E-07, 6E-06)*	4E-05	*(2E-05, 1E-04)*	4E-04	*(2E-04, 1E-03)*	1E-03	*(5E-04, 3E-03)*	2E-03	*(9E-04, 5E-03)*	6E-03	*	-
	20 +	3E-06	*(7E-07, 7E-06)*	5E-05	*(2E-05, 1E-04)*	5E-04	*(2E-04, 1E-03)*	2E-03	*(5E-04, 4E-03)*	3E-03	*(1E-03, 6E-03)*	8E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-A13. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Area Source Incinerators

Compound: Methyl Mercury														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	6E-06	*(3E-06, 2E-05)*	1E-04	*(1E-05, 7E-04)*	1E-03	*(6E-05, 3E-03)*	3E-03	*(6E-04, 6E-03)*	5E-03	*(1E-03, 9E-03)*	1E-02	*(2E-03, 2E-02)*	-
	6-11	4E-06	*(2E-06, 1E-05)*	5E-05	*(7E-06, 4E-04)*	9E-04	*(5E-05, 2E-03)*	2E-03	*(4E-04, 4E-03)*	3E-03	*(7E-04, 6E-03)*	8E-03	*(1E-03, 1E-02)*	-
	12-19	2E-06	*(8E-07, 7E-06)*	4E-05	*(4E-06, 3E-04)*	5E-04	*(3E-05, 1E-03)*	1E-03	*(2E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(8E-04, 6E-03)*	-
	20 +	3E-06	*(9E-07, 9E-06)*	4E-05	*(6E-06, 3E-04)*	6E-04	*(4E-05, 1E-03)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(5E-04, 4E-03)*	4E-03	*(1E-03, 7E-03)*	-
MACT Floor														
	0-5	6E-06	*(3E-06, 2E-05)*	5E-05	*(1E-05, 4E-04)*	9E-04	*(5E-05, 3E-03)*	3E-03	*(2E-04, 6E-03)*	5E-03	*(5E-04, 9E-03)*	1E-02	*(1E-03, 2E-02)*	-
	6-11	4E-06	*(2E-06, 1E-05)*	3E-05	*(7E-06, 3E-04)*	6E-04	*(5E-05, 2E-03)*	2E-03	*(2E-04, 4E-03)*	3E-03	*(4E-04, 6E-03)*	8E-03	*(9E-04, 1E-02)*	-
	12-19	2E-06	*(8E-07, 7E-06)*	2E-05	*(4E-06, 2E-04)*	4E-04	*(3E-05, 1E-03)*	1E-03	*(1E-04, 2E-03)*	2E-03	*(2E-04, 3E-03)*	4E-03	*(5E-04, 6E-03)*	-
	20 +	3E-06	*(9E-07, 9E-06)*	2E-05	*(5E-06, 2E-04)*	4E-04	*(3E-05, 1E-03)*	1E-03	*(1E-04, 2E-03)*	2E-03	*(2E-04, 4E-03)*	4E-03	*(6E-04, 7E-03)*	-
MACT BTF														
	0-5	4E-06	*(2E-06, 8E-06)*	2E-05	*(8E-06, 6E-05)*	2E-04	*(2E-05, 3E-04)*	4E-04	*(6E-05, 7E-04)*	6E-04	*(9E-05, 1E-03)*	1E-03	*(3E-04, 2E-03)*	-
	6-11	3E-06	*(1E-06, 7E-06)*	1E-05	*(5E-06, 4E-05)*	8E-05	*(2E-05, 2E-04)*	2E-04	*(4E-05, 4E-04)*	4E-04	*(5E-05, 6E-04)*	8E-04	*(2E-04, 1E-03)*	-
	12-19	2E-06	*(7E-07, 4E-06)*	7E-06	*(3E-06, 2E-05)*	5E-05	*(1E-05, 1E-04)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(3E-05, 4E-04)*	4E-04	*(9E-05, 6E-04)*	-
	20 +	2E-06	*(8E-07, 5E-06)*	9E-06	*(3E-06, 3E-05)*	6E-05	*(1E-05, 1E-04)*	2E-04	*(3E-05, 3E-04)*	2E-04	*(4E-05, 4E-04)*	5E-04	*(1E-04, 7E-04)*	-
MACT Standard														
	0-5	6E-06	*(3E-06, 2E-05)*	5E-05	*(1E-05, 4E-04)*	9E-04	*(5E-05, 3E-03)*	3E-03	*(2E-04, 6E-03)*	5E-03	*(5E-04, 9E-03)*	1E-02	*(1E-03, 2E-02)*	-
	6-11	4E-06	*(2E-06, 1E-05)*	3E-05	*(7E-06, 3E-04)*	6E-04	*(5E-05, 2E-03)*	2E-03	*(2E-04, 4E-03)*	3E-03	*(4E-04, 6E-03)*	8E-03	*(9E-04, 1E-02)*	-
	12-19	2E-06	*(8E-07, 7E-06)*	2E-05	*(4E-06, 2E-04)*	4E-04	*(3E-05, 1E-03)*	1E-03	*(1E-04, 2E-03)*	2E-03	*(2E-04, 3E-03)*	4E-03	*(5E-04, 6E-03)*	-
	20 +	3E-06	*(9E-07, 9E-06)*	2E-05	*(5E-06, 2E-04)*	4E-04	*(3E-05, 1E-03)*	1E-03	*(1E-04, 2E-03)*	2E-03	*(2E-04, 4E-03)*	4E-03	*(6E-04, 7E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-A14. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Commercial Incinerators

Compound: Methyl Mercury														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	8E-05	*(6E-06, 4E-04)*	1E-03	*(4E-04, 2E-03)*	4E-03	*(2E-03, 7E-03)*	8E-03	*(4E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	2E-02	*	-
	6-11	6E-05	*(3E-06, 3E-04)*	8E-04	*(3E-04, 1E-03)*	3E-03	*(1E-03, 4E-03)*	5E-03	*(3E-03, 7E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*	-
	12-19	3E-05	*(2E-06, 2E-04)*	4E-04	*(2E-04, 8E-04)*	2E-03	*(7E-04, 2E-03)*	3E-03	*(1E-03, 4E-03)*	4E-03	*(2E-03, 6E-03)*	7E-03	*	-
	20 +	4E-05	*(2E-06, 2E-04)*	5E-04	*(2E-04, 9E-04)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(2E-03, 4E-03)*	4E-03	*(2E-03, 6E-03)*	8E-03	*	-
MACT Floor														
	0-5	4E-05	*(5E-06, 2E-04)*	6E-04	*(2E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 8E-03)*	7E-03	*(3E-03, 1E-02)*	1E-02	*	-
	6-11	3E-05	*(2E-06, 1E-04)*	4E-04	*(1E-04, 9E-04)*	2E-03	*(6E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 7E-03)*	9E-03	*	-
	12-19	2E-05	*(2E-06, 8E-05)*	2E-04	*(7E-05, 5E-04)*	1E-03	*(4E-04, 2E-03)*	2E-03	*(7E-04, 3E-03)*	3E-03	*(1E-03, 4E-03)*	5E-03	*	-
	20 +	2E-05	*(2E-06, 9E-05)*	3E-04	*(8E-05, 6E-04)*	1E-03	*(4E-04, 2E-03)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*	-
MACT BTF														
	0-5	8E-06	*(1E-06, 3E-05)*	7E-05	*(2E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(2E-04, 8E-04)*	7E-04	*(3E-04, 1E-03)*	1E-03	*	-
	6-11	6E-06	*(7E-07, 2E-05)*	5E-05	*(2E-05, 1E-04)*	2E-04	*(7E-05, 3E-04)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(2E-04, 7E-04)*	9E-04	*	-
	12-19	3E-06	*(4E-07, 1E-05)*	3E-05	*(9E-06, 6E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*(8E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	5E-04	*	-
	20 +	4E-06	*(5E-07, 1E-05)*	4E-05	*(1E-05, 7E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	3E-04	*(2E-04, 5E-04)*	5E-04	*	-
MACT Standard														
	0-5	4E-05	*(4E-06, 2E-04)*	6E-04	*(2E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 8E-03)*	7E-03	*(3E-03, 1E-02)*	1E-02	*	-
	6-11	3E-05	*(2E-06, 1E-04)*	4E-04	*(1E-04, 9E-04)*	2E-03	*(6E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 7E-03)*	9E-03	*	-
	12-19	2E-05	*(2E-06, 8E-05)*	2E-04	*(7E-05, 5E-04)*	1E-03	*(4E-04, 2E-03)*	2E-03	*(7E-04, 3E-03)*	3E-03	*(1E-03, 4E-03)*	5E-03	*	-
	20 +	2E-05	*(2E-06, 9E-05)*	3E-04	*(8E-05, 6E-04)*	1E-03	*(4E-04, 2E-03)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-A15. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Large Onsite Incinerators

Compound: Methyl Mercury														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	8E-07	*(1E-07, 2E-05)*	7E-05	*(1E-05, 2E-04)*	7E-04	*(1E-04, 2E-03)*	2E-03	*(3E-04, 5E-03)*	4E-03	*(5E-04, 7E-03)*	9E-03	*	-
	6-11	2E-07	*(2E-08, 1E-05)*	4E-05	*(8E-06, 1E-04)*	5E-04	*(7E-05, 2E-03)*	2E-03	*(2E-04, 4E-03)*	3E-03	*(3E-04, 5E-03)*	6E-03	*	-
	12-19	1E-07	*(1E-08, 7E-06)*	2E-05	*(5E-06, 8E-05)*	3E-04	*(4E-05, 1E-03)*	1E-03	*(1E-04, 2E-03)*	2E-03	*(2E-04, 3E-03)*	4E-03	*	-
	20 +	4E-08	*(6E-09, 8E-06)*	3E-05	*(6E-06, 1E-04)*	3E-04	*(5E-05, 1E-03)*	1E-03	*(1E-04, 2E-03)*	2E-03	*(2E-04, 4E-03)*	5E-03	*	-
MACT Floor														
	0-5	2E-07	*(5E-08, 2E-05)*	6E-05	*(1E-05, 2E-04)*	5E-04	*(1E-04, 2E-03)*	2E-03	*(3E-04, 5E-03)*	3E-03	*(5E-04, 7E-03)*	8E-03	*	-
	6-11	5E-08	*(1E-08, 1E-05)*	4E-05	*(7E-06, 1E-04)*	3E-04	*(6E-05, 1E-03)*	1E-03	*(2E-04, 3E-03)*	2E-03	*(3E-04, 4E-03)*	5E-03	*	-
	12-19	3E-08	*(7E-09, 7E-06)*	2E-05	*(5E-06, 8E-05)*	2E-04	*(4E-05, 8E-04)*	8E-04	*(1E-04, 2E-03)*	1E-03	*(2E-04, 3E-03)*	4E-03	*	-
	20 +	1E-08	*(3E-09, 8E-06)*	3E-05	*(6E-06, 9E-05)*	2E-04	*(5E-05, 9E-04)*	9E-04	*(1E-04, 2E-03)*	2E-03	*(2E-04, 3E-03)*	4E-03	*	-
MACT BTF														
	0-5	3E-08	*(1E-08, 9E-06)*	3E-05	*(5E-06, 9E-05)*	2E-04	*(5E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	8E-04	*(2E-04, 2E-03)*	2E-03	*	-
	6-11	9E-09	*(2E-09, 5E-06)*	2E-05	*(3E-06, 5E-05)*	1E-04	*(3E-05, 3E-04)*	3E-04	*(6E-05, 9E-04)*	6E-04	*(9E-05, 1E-03)*	2E-03	*	-
	12-19	4E-09	*(1E-09, 3E-06)*	1E-05	*(2E-06, 3E-05)*	7E-05	*(2E-05, 2E-04)*	2E-04	*(4E-05, 5E-04)*	4E-04	*(6E-05, 7E-04)*	9E-04	*	-
	20 +	2E-09	*(6E-10, 4E-06)*	1E-05	*(2E-06, 4E-05)*	8E-05	*(2E-05, 2E-04)*	2E-04	*(4E-05, 6E-04)*	4E-04	*(7E-05, 8E-04)*	1E-03	*	-
MACT Standard														
	0-5	2E-07	*(5E-08, 2E-05)*	6E-05	*(1E-05, 2E-04)*	5E-04	*(1E-04, 2E-03)*	2E-03	*(3E-04, 5E-03)*	3E-03	*(5E-04, 7E-03)*	8E-03	*	-
	6-11	5E-08	*(1E-08, 1E-05)*	4E-05	*(7E-06, 1E-04)*	3E-04	*(6E-05, 1E-03)*	1E-03	*(2E-04, 3E-03)*	2E-03	*(3E-04, 4E-03)*	5E-03	*	-
	12-19	3E-08	*(7E-09, 7E-06)*	2E-05	*(5E-06, 8E-05)*	2E-04	*(4E-05, 8E-04)*	8E-04	*(1E-04, 2E-03)*	1E-03	*(2E-04, 3E-03)*	4E-03	*	-
	20 +	1E-08	*(3E-09, 8E-06)*	3E-05	*(6E-06, 9E-05)*	2E-04	*(5E-05, 9E-04)*	9E-04	*(1E-04, 2E-03)*	2E-03	*(2E-04, 3E-03)*	4E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-A16. Summary of Recreational Fisher Hazard Quotients Reflecting Exposure Parameter Variability with 90 Percent Confidence Intervals: Small Onsite Incinerators

Compound: Methyl Mercury														
		Percentile of Risk Distribution												
	Age Group	***50%***		***75%***		***90%***		***95%***		***97%***		***99%***		**%>HBL**
Baseline														
	0-5	6E-06	*(2E-06, 2E-05)*	9E-05	*(2E-05, 5E-04)*	1E-03	*(2E-04, 4E-03)*	4E-03	*(7E-04, 1E-02)*	8E-03	*(1E-03, 2E-02)*	2E-02	*	-
	6-11	4E-06	*(1E-06, 1E-05)*	6E-05	*(1E-05, 3E-04)*	8E-04	*(1E-04, 3E-03)*	3E-03	*(5E-04, 8E-03)*	6E-03	*(8E-04, 1E-02)*	1E-02	*	-
	12-19	2E-06	*(7E-07, 7E-06)*	3E-05	*(7E-06, 2E-04)*	5E-04	*(7E-05, 2E-03)*	2E-03	*(3E-04, 4E-03)*	3E-03	*(5E-04, 6E-03)*	8E-03	*	-
	20 +	3E-06	*(9E-07, 9E-06)*	4E-05	*(8E-06, 2E-04)*	6E-04	*(8E-05, 2E-03)*	2E-03	*(4E-04, 6E-03)*	4E-03	*(6E-04, 9E-03)*	1E-02	*	-
MACT Floor														
	0-5	5E-06	*(2E-06, 2E-05)*	8E-05	*(2E-05, 4E-04)*	1E-03	*(2E-04, 4E-03)*	4E-03	*(6E-04, 1E-02)*	8E-03	*(1E-03, 2E-02)*	2E-02	*	-
	6-11	3E-06	*(1E-06, 1E-05)*	5E-05	*(1E-05, 3E-04)*	7E-04	*(1E-04, 3E-03)*	3E-03	*(4E-04, 8E-03)*	6E-03	*(7E-04, 1E-02)*	1E-02	*	-
	12-19	2E-06	*(6E-07, 7E-06)*	3E-05	*(6E-06, 2E-04)*	4E-04	*(6E-05, 2E-03)*	2E-03	*(2E-04, 4E-03)*	3E-03	*(4E-04, 6E-03)*	8E-03	*	-
	20 +	2E-06	*(8E-07, 8E-06)*	4E-05	*(8E-06, 2E-04)*	5E-04	*(7E-05, 2E-03)*	2E-03	*(3E-04, 6E-03)*	4E-03	*(5E-04, 9E-03)*	1E-02	*	-
MACT BTF														
	0-5	3E-06	*(1E-06, 1E-05)*	4E-05	*(1E-05, 3E-04)*	6E-04	*(8E-05, 1E-03)*	2E-03	*(4E-04, 3E-03)*	2E-03	*(7E-04, 4E-03)*	5E-03	*	-
	6-11	2E-06	*(7E-07, 6E-06)*	3E-05	*(6E-06, 2E-04)*	4E-04	*(5E-05, 7E-04)*	8E-04	*(2E-04, 1E-03)*	1E-03	*(5E-04, 2E-03)*	2E-03	*	-
	12-19	1E-06	*(4E-07, 4E-06)*	2E-05	*(3E-06, 1E-04)*	2E-04	*(3E-05, 5E-04)*	6E-04	*(1E-04, 9E-04)*	8E-04	*(3E-04, 1E-03)*	2E-03	*	-
	20 +	1E-06	*(5E-07, 4E-06)*	2E-05	*(4E-06, 1E-04)*	3E-04	*(4E-05, 6E-04)*	6E-04	*(2E-04, 1E-03)*	1E-03	*(3E-04, 2E-03)*	2E-03	*	-
MACT Standard														
	0-5	5E-06	*(2E-06, 2E-05)*	8E-05	*(2E-05, 4E-04)*	1E-03	*(2E-04, 4E-03)*	4E-03	*(6E-04, 1E-02)*	8E-03	*(1E-03, 2E-02)*	2E-02	*	-
	6-11	3E-06	*(1E-06, 1E-05)*	5E-05	*(1E-05, 3E-04)*	7E-04	*(1E-04, 3E-03)*	3E-03	*(4E-04, 8E-03)*	6E-03	*(7E-04, 1E-02)*	1E-02	*	-
	12-19	2E-06	*(6E-07, 7E-06)*	3E-05	*(6E-06, 2E-04)*	4E-04	*(6E-05, 2E-03)*	2E-03	*(2E-04, 4E-03)*	3E-03	*(4E-04, 6E-03)*	8E-03	*	-
	20 +	2E-06	*(8E-07, 8E-06)*	4E-05	*(8E-06, 2E-04)*	5E-04	*(7E-05, 2E-03)*	2E-03	*(3E-04, 6E-03)*	4E-03	*(5E-04, 9E-03)*	1E-02	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table V-C1. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.14	0.19	0.25	0.30	0.33	0.36	0.40	-
Background (3.6 ug/dL)	3.59	4.94	6.48	7.70	8.55	9.20	10.41	2
Background and Incremental	3.72	5.13	6.73	8.00	8.88	9.56	10.81	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.63	4.97	6.56	7.76	8.87	9.60	11.13	2
Background and Incremental	3.65	5.00	6.60	7.81	8.92	9.66	11.19	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.89	6.48	7.71	8.72	9.42	10.70	2
Background and Incremental	3.57	4.91	6.50	7.73	8.74	9.45	10.73	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.55	7.75	8.63	9.46	10.73	2
Background and Incremental	3.63	4.96	6.56	7.77	8.66	9.48	10.76	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-C2. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: Commercial Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.06	0.08	0.11	0.13	0.14	0.16	0.18	-
Background (3.6 ug/dL)	3.60	4.97	6.60	7.81	8.69	9.43	10.85	2
Background and Incremental	3.65	5.06	6.71	7.94	8.83	9.59	11.03	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.53	7.75	8.62	9.27	10.36	2
Background and Incremental	3.63	4.96	6.55	7.77	8.65	9.29	10.39	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.94	6.57	7.72	8.56	9.40	10.55	2
Background and Incremental	3.61	4.95	6.59	7.75	8.58	9.42	10.58	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.94	6.58	7.77	8.64	9.44	10.58	2
Background and Incremental	3.64	4.96	6.60	7.79	8.67	9.47	10.61	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-C3. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: Large Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.31	0.42	0.55	0.66	0.75	0.81	0.92	-
Background (3.6 ug/dL)	3.61	4.91	6.50	7.71	8.69	9.39	10.73	2
Background and Incremental	3.91	5.33	7.05	8.37	9.44	10.20	11.65	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.64	4.95	6.54	7.78	8.61	9.35	10.60	2
Background and Incremental	3.64	4.95	6.54	7.78	8.61	9.35	10.60	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.62	4.97	6.58	7.94	8.80	9.64	10.85	2
Background and Incremental	3.62	4.97	6.58	7.94	8.80	9.64	10.85	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.92	6.52	7.69	8.56	9.40	10.71	2
Background and Incremental	3.58	4.92	6.52	7.69	8.56	9.40	10.71	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-C4. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: Small Onsite Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.95	6.60	7.79	8.62	9.29	10.55	2
Background and Incremental	3.60	4.95	6.60	7.79	8.62	9.29	10.55	2
MACT Floor								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.57	4.95	6.60	7.88	8.75	9.42	10.66	2
Background and Incremental	3.57	4.95	6.60	7.88	8.75	9.42	10.66	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.60	4.89	6.61	7.78	8.72	9.54	10.84	2
Background and Incremental	3.60	4.89	6.61	7.78	8.72	9.54	10.84	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.61	4.91	6.62	7.80	8.71	9.48	10.57	2
Background and Incremental	3.61	4.91	6.62	7.80	8.71	9.48	10.57	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-C5. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: Lightweight Aggregate Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.97	6.61	7.80	8.73	9.53	10.91	2
Background and Incremental	3.62	4.98	6.62	7.82	8.76	9.56	10.94	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.56	4.91	6.60	7.82	8.59	9.27	10.41	2
Background and Incremental	3.57	4.93	6.62	7.84	8.61	9.30	10.44	2
MACT BTF								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.58	4.91	6.47	7.70	8.61	9.39	10.75	2
Background and Incremental	3.58	4.91	6.47	7.70	8.61	9.39	10.75	2
MACT std								
Incremental	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-
Background (3.6 ug/dL)	3.64	4.99	6.52	7.77	8.70	9.44	10.66	2
Background and Incremental	3.64	4.99	6.52	7.77	8.70	9.44	10.66	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-C6. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: Area Source Cement Kilns

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.59	4.92	6.53	7.72	8.61	9.41	10.58	2
Background and Incremental	3.61	4.95	6.57	7.76	8.65	9.46	10.64	2
MACT Floor								
Incremental	0.02	0.03	0.04	0.04	0.05	0.05	0.06	-
Background (3.6 ug/dL)	3.61	4.98	6.60	7.72	8.61	9.25	10.54	2
Background and Incremental	3.63	5.00	6.63	7.76	8.65	9.30	10.60	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.63	4.93	6.55	7.86	8.89	9.68	11.06	2
Background and Incremental	3.64	4.94	6.56	7.88	8.92	9.71	11.09	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.62	4.95	6.62	7.85	8.70	9.42	10.81	2
Background and Incremental	3.63	4.97	6.64	7.87	8.73	9.44	10.84	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-C7. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: Area Source Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.05	0.07	0.09	0.11	0.12	0.13	0.15	-
Background (3.6 ug/dL)	3.60	4.89	6.50	7.67	8.55	9.34	10.52	2
Background and Incremental	3.65	4.96	6.59	7.77	8.66	9.47	10.66	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.58	4.92	6.54	7.70	8.58	9.20	10.42	2
Background and Incremental	3.59	4.94	6.56	7.73	8.61	9.22	10.45	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.90	6.50	7.67	8.53	9.25	10.61	2
Background and Incremental	3.60	4.91	6.52	7.70	8.55	9.27	10.64	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.59	4.89	6.56	7.82	8.75	9.48	10.76	2
Background and Incremental	3.59	4.90	6.58	7.85	8.77	9.51	10.79	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-C8. Blood Lead Levels for Child (0-5 yr) of Recreational Fisher: All Incinerators

Lead Source	*Percentile of Children (0-5 year) Below Given Blood Level (ug/dL)*							
	50%	**75%**	**90%**	**95%**	**97%**	**98%**	**99%**	**% > HBL**
Baseline								
Incremental	0.31	0.42	0.57	0.67	0.76	0.83	0.95	-
Background (3.6 ug/dL)	3.59	4.95	6.64	7.84	8.78	9.63	11.05	2
Background and Incremental	3.89	5.37	7.21	8.52	9.53	10.45	12.00	2
MACT Floor								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.61	4.95	6.53	7.78	8.67	9.36	10.68	2
Background and Incremental	3.62	4.96	6.55	7.80	8.69	9.38	10.71	2
MACT BTF								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.96	6.66	7.93	8.97	9.71	11.06	2
Background and Incremental	3.61	4.97	6.68	7.95	8.99	9.74	11.09	2
MACT std								
Incremental	<0.01	0.01	0.02	0.02	0.02	0.03	0.03	-
Background (3.6 ug/dL)	3.60	4.94	6.50	7.68	8.61	9.38	10.58	2
Background and Incremental	3.61	4.95	6.51	7.71	8.63	9.40	10.60	2

HBL = Heath Benchmark Level, 10 ug/dL for Lead

Table V-D1. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-08 *(3E-08, 1E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *(3E-07, 6E-07)*	* *	-
ARSENIC	1E-10 *(9E-11, 2E-10)*	4E-09 *(3E-09, 5E-09)*	6E-09 *(4E-09, 6E-09)*	6E-09 *(6E-09, 7E-09)*	-
Additive Risk	8E-08 *(4E-08, 2E-07)*	4E-07 *(2E-07, 5E-07)*	6E-07 *(4E-07, 7E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-10 *(3E-10, 6E-10)*	2E-09 *(2E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	3E-10 *(2E-10, 4E-10)*	4E-09 *(2E-09, 1E-08)*	1E-08 *(4E-09, 2E-08)*	2E-08 *	-
BERYLLIUM	3E-11 *(3E-11, 5E-11)*	5E-10 *(3E-10, 6E-10)*	6E-10 *(6E-10, 7E-10)*	2E-09 *(2E-09, 2E-09)*	-
CADMIUM	2E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 1E-08)*	2E-08 *(2E-08, 2E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 3E-09)*	-
NICKEL	8E-11 *(6E-11, 9E-11)*	9E-10 *(2E-10, 2E-09)*	2E-09 *(9E-10, 2E-09)*	7E-09 *(7E-09, 7E-09)*	-
Additive Risk	4E-09 *(3E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(3E-08, 3E-08)*	2E-07 *(2E-07, 2E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-06 *(9E-07, 2E-06)*	7E-05 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 6E-06)*	9E-05 *(8E-05, 1E-04)*	1E-04 *(9E-05, 1E-04)*	* *	-
BARIUM	1E-06 *(1E-06, 2E-06)*	4E-05 *(1E-05, 8E-05)*	9E-05 *(3E-05, 1E-04)*	* *	-
BERYLLIUM	8E-07 *(5E-07, 9E-07)*	9E-06 *(5E-06, 1E-05)*	2E-05 *(1E-05, 2E-05)*	3E-05 *	-
CADMIUM	1E-04 *(9E-05, 2E-04)*	2E-03 *(2E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	4E-03 *(4E-03, 4E-03)*	-
CHROMIUM (III)	3E-08 *(2E-08, 3E-08)*	2E-07 *(2E-07, 3E-07)*	5E-07 *(5E-07, 6E-07)*	2E-06 *(2E-06, 2E-06)*	-
CHROMIUM (VI)	4E-08 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
COBALT	3E-08 *(2E-08, 3E-08)*	2E-07 *(1E-07, 2E-07)*	2E-07 *(2E-07, 3E-07)*	3E-07 *(3E-07, 3E-07)*	-
MANGANESE	5E-08 *(4E-08, 6E-08)*	6E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-04 *(9E-05, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(9E-04, 3E-03)*	9E-03 *	-
MERCURY (METHYL)[a]	min: 7E-05	median: 2E-02	max: 4E-01		
NICKEL	1E-07 *(1E-07, 2E-07)*	5E-06 *(9E-07, 5E-06)*	6E-06 *(6E-06, 6E-06)*	* *	-
SELENIUM	8E-05 *(6E-05, 9E-05)*	2E-03 *(4E-04, 3E-03)*	* *	* *	-
SILVER	9E-09 *(4E-09, 5E-08)*	3E-06 *(1E-07, 5E-06)*	8E-06 *(7E-06, 8E-06)*	* *	-
THALLIUM	1E-04 *(6E-05, 2E-04)*	5E-03 *	* *	* *	-
Hazard Index	5E-02 *(9E-03, 6E-02)*	1E-01 *(9E-02, 4E-01)*	4E-01 *(1E-01, 4E-01)*	4E-01 *	-
Non-Cancer - Inhalation					
BARIUM	2E-05 *(2E-05, 3E-05)*	3E-04 *(2E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 6E-04)*	5E-03 *(3E-03, 9E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(9E-04, 1E-03)*	4E-03 *(3E-03, 5E-03)*	5E-03 *(4E-03, 6E-03)*	7E-03 *	-
MANGANESE	5E-05 *(4E-05, 6E-05)*	2E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	5E-05 *(4E-05, 6E-05)*	6E-05 *(5E-05, 7E-05)*	8E-05 *	-
Hazard Index	2E-03 *(2E-03, 3E-03)*	9E-03 *(6E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-03 *(1E-03, 8E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D2. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-08 *(3E-08, 1E-07)*	3E-07 *(2E-07, 5E-07)*	5E-07 *(3E-07, 6E-07)*	* *	-
ARSENIC	7E-11 *(5E-11, 1E-10)*	3E-09 *(2E-09, 3E-09)*	3E-09 *(3E-09, 4E-09)*	4E-09 *(4E-09, 4E-09)*	-
Additive Risk	7E-08 *(3E-08, 1E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *(4E-07, 6E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-10 *(3E-10, 6E-10)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 3E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	3E-10 *(2E-10, 5E-10)*	5E-09 *(2E-09, 1E-08)*	1E-08 *(4E-09, 2E-08)*	2E-08 *	-
BERYLLIUM	4E-11 *(3E-11, 5E-11)*	6E-10 *(4E-10, 7E-10)*	7E-10 *(6E-10, 8E-10)*	2E-09 *(2E-09, 2E-09)*	-
CADMIUM	2E-09 *(2E-09, 3E-09)*	1E-08 *(1E-08, 1E-08)*	2E-08 *(2E-08, 2E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	4E-10 *(3E-10, 5E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	4E-09 *(3E-09, 4E-09)*	-
NICKEL	9E-11 *(7E-11, 1E-10)*	1E-09 *(3E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	8E-09 *(8E-09, 8E-09)*	-
Additive Risk	5E-09 *(4E-09, 6E-09)*	2E-08 *(2E-08, 3E-08)*	3E-08 *(3E-08, 4E-08)*	3E-07 *(3E-07, 3E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(3E-07, 8E-07)*	4E-05 *	* *	* *	-
ARSENIC	1E-06 *(9E-07, 2E-06)*	6E-05 *	* *	* *	-
BARIUM	4E-07 *(3E-07, 6E-07)*	1E-05 *(3E-06, 2E-05)*	3E-05 *(9E-06, 4E-05)*	6E-05 *	-
BERYLLIUM	2E-07 *(2E-07, 3E-07)*	4E-06 *(1E-06, 6E-06)*	7E-06 *(3E-06, 8E-06)*	* *	-
CADMIUM	9E-05 *(5E-05, 2E-04)*	* *	* *	* *	-
CHROMIUM (III)	7E-09 *(6E-09, 9E-09)*	6E-08 *(5E-08, 8E-08)*	1E-07 *(1E-07, 1E-07)*	5E-07 *(5E-07, 5E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 5E-08)*	2E-07 *	* *	* *	-
COBALT	8E-09 *(6E-09, 9E-09)*	5E-08 *(4E-08, 6E-08)*	7E-08 *(6E-08, 7E-08)*	9E-08 *(9E-08, 9E-08)*	-
MANGANESE	1E-08 *(1E-08, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	5E-05 *(2E-05, 8E-05)*	3E-04 *(1E-04, 5E-04)*	6E-04 *(2E-04, 8E-04)*	2E-03 *	-
MERCURY (METHYL)[a]	min: 5E-05	median: 1E-02	max: 3E-01		
NICKEL	8E-08 *(5E-08, 9E-08)*	2E-06 *(4E-07, 2E-06)*	3E-06 *(3E-06, 3E-06)*	9E-06 *(9E-06, 9E-06)*	-
SELENIUM	6E-05 *(5E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	* *	* *	-
SILVER	4E-09 *(1E-09, 2E-08)*	1E-06 *(8E-08, 2E-06)*	4E-06 *(3E-06, 4E-06)*	* *	-
THALLIUM	6E-05 *(3E-05, 1E-04)*	3E-03 *	* *	* *	-
Hazard Index	2E-02 *(6E-03, 5E-02)*	1E-01 *(7E-02, 3E-01)*	3E-01 *(1E-01, 3E-01)*	3E-01 *	-
Non-Cancer - Inhalation					
BARIUM	2E-05 *(2E-05, 3E-05)*	3E-04 *(2E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 6E-04)*	5E-03 *(3E-03, 9E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(9E-04, 1E-03)*	4E-03 *(3E-03, 5E-03)*	5E-03 *(4E-03, 6E-03)*	7E-03 *	-
MANGANESE	5E-05 *(4E-05, 6E-05)*	2E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	5E-05 *(4E-05, 6E-05)*	6E-05 *(5E-05, 7E-05)*	8E-05 *	-
Hazard Index	2E-03 *(2E-03, 3E-03)*	9E-03 *(6E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-03 *(9E-04, 5E-03)*	9E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D3. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-08 *(1E-08, 8E-08)*	2E-07 *	* *	* *	-
ARSENIC	4E-11 *(3E-11, 9E-11)*	2E-09 *	* *	* *	-
Additive Risk	4E-08 *(2E-08, 9E-08)*	2E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 4E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(2E-09, 2E-09)*	9E-09 *(9E-09, 9E-09)*	-
ARSENIC	2E-10 *(1E-10, 3E-10)*	3E-09 *(1E-09, 8E-09)*	1E-08 *(3E-09, 1E-08)*	2E-08 *	-
BERYLLIUM	3E-11 *(2E-11, 3E-11)*	4E-10 *(2E-10, 4E-10)*	5E-10 *(4E-10, 5E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	2E-09 *(1E-09, 2E-09)*	8E-09 *(7E-09, 8E-09)*	1E-08 *(1E-08, 1E-08)*	1E-07 *(1E-07, 2E-07)*	-
CHROMIUM (VI)	2E-10 *(2E-10, 3E-10)*	1E-09 *(8E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	-
NICKEL	6E-11 *(5E-11, 7E-11)*	7E-10 *(2E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	5E-09 *(5E-09, 5E-09)*	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	1E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	2E-07 *(2E-07, 2E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(2E-07, 5E-07)*	3E-05 *	* *	* *	-
ARSENIC	7E-07 *(6E-07, 1E-06)*	3E-05 *	* *	* *	-
BARIUM	2E-07 *(1E-07, 3E-07)*	9E-06 *(1E-06, 1E-05)*	2E-05 *(5E-06, 2E-05)*	3E-05 *	-
BERYLLIUM	1E-07 *(9E-08, 2E-07)*	2E-06 *(9E-07, 3E-06)*	4E-06 *(2E-06, 4E-06)*	* *	-
CADMIUM	7E-05 *(2E-05, 9E-05)*	* *	* *	* *	-
CHROMIUM (III)	4E-09 *(3E-09, 4E-09)*	3E-08 *(3E-08, 4E-08)*	8E-08 *(7E-08, 9E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	9E-09 *(5E-09, 2E-08)*	1E-07 *(1E-07, 4E-07)*	4E-07 *(1E-07, 6E-07)*	* *	-
COBALT	1E-08 *(9E-09, 2E-08)*	2E-07 *	* *	* *	-
MANGANESE	9E-09 *(7E-09, 1E-08)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-05 *(1E-05, 4E-05)*	1E-04 *(8E-05, 3E-04)*	3E-04 *(1E-04, 4E-04)*	* *	-
MERCURY (METHYL)[a]	min: 3E-05	median: 8E-03	max: 1E-01		
NICKEL	4E-08 *(3E-08, 7E-08)*	1E-06 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	5E-04 *(2E-04, 7E-04)*	* *	* *	-
SILVER	2E-09 *(7E-10, 1E-08)*	9E-07 *(6E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	4E-05 *(1E-05, 9E-05)*	2E-03 *(7E-04, 3E-03)*	4E-03 *(1E-03, 5E-03)*	7E-03 *(4E-03, 7E-03)*	-
Hazard Index	2E-02 *(3E-03, 2E-02)*	6E-02 *(3E-02, 1E-01)*	1E-01 *(6E-02, 1E-01)*	1E-01 *	-
Non-Cancer - Inhalation					
BARIUM	2E-05 *(2E-05, 3E-05)*	3E-04 *(2E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 6E-04)*	5E-03 *(3E-03, 9E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(9E-04, 1E-03)*	4E-03 *(3E-03, 5E-03)*	5E-03 *(4E-03, 6E-03)*	7E-03 *	-
MANGANESE	5E-05 *(4E-05, 6E-05)*	2E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	5E-05 *(4E-05, 6E-05)*	6E-05 *(5E-05, 7E-05)*	8E-05 *	-
Hazard Index	2E-03 *(2E-03, 3E-03)*	9E-03 *(6E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	9E-04 *(4E-04, 2E-03)*	5E-03 *	* *	* *	-
TCDD-TEQ	1E-03 *(6E-04, 3E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(7E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D4. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-08 *(2E-08, 1E-07)*	3E-07 *	* *	* *	-
ARSENIC	6E-11 *(5E-11, 9E-11)*	3E-09 *	* *	* *	-
Additive Risk	6E-08 *(2E-08, 1E-07)*	3E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-10 *(2E-10, 5E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	2E-10 *(2E-10, 4E-10)*	3E-09 *(1E-09, 9E-09)*	1E-08 *(3E-09, 1E-08)*	2E-08 *	-
BERYLLIUM	3E-11 *(2E-11, 4E-11)*	4E-10 *(3E-10, 5E-10)*	5E-10 *(5E-10, 6E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	2E-09 *(1E-09, 3E-09)*	9E-09 *(8E-09, 1E-08)*	1E-08 *(1E-08, 1E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 4E-10)*	1E-09 *(9E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	-
NICKEL	7E-11 *(5E-11, 7E-11)*	8E-10 *(2E-10, 1E-09)*	2E-09 *(8E-10, 2E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	3E-09 *(3E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	2E-07 *(2E-07, 2E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(1E-07, 5E-07)*	3E-05 *	* *	* *	-
ARSENIC	8E-07 *(6E-07, 2E-06)*	3E-05 *	* *	* *	-
BARIUM	1E-07 *(9E-08, 1E-07)*	3E-06 *(7E-07, 1E-05)*	1E-05 *(2E-06, 2E-05)*	2E-05 *	-
BERYLLIUM	7E-08 *(5E-08, 9E-08)*	1E-06 *(6E-07, 3E-06)*	3E-06 *(9E-07, 4E-06)*	* *	-
CADMIUM	7E-05 *(2E-05, 9E-05)*	9E-04 *(8E-04, 9E-04)*	1E-03 *(9E-04, 1E-03)*	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 2E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	* *	-
CHROMIUM (VI)	8E-09 *(5E-09, 2E-08)*	1E-07 *	* *	* *	-
COBALT	9E-09 *(5E-09, 1E-08)*	3E-07 *	* *	* *	-
MANGANESE	7E-09 *(3E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-05 *(5E-06, 1E-05)*	8E-05 *(4E-05, 1E-04)*	1E-04 *(7E-05, 2E-04)*	6E-04 *	-
MERCURY (METHYL)[a]	min: 3E-05	median: 8E-03	max: 2E-01		
NICKEL	5E-08 *(2E-08, 7E-08)*	9E-07 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	9E-04 *(2E-04, 1E-03)*	* *	* *	-
SILVER	2E-09 *(5E-10, 1E-08)*	1E-06 *(6E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	4E-05 *(1E-05, 9E-05)*	2E-03 *	* *	* *	-
Hazard Index	2E-02 *(3E-03, 2E-02)*	6E-02 *(4E-02, 2E-01)*	2E-01 *(6E-02, 2E-01)*	2E-01 *	-
Non-Cancer - Inhalation					
BARIUM	2E-05 *(2E-05, 3E-05)*	3E-04 *(2E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 6E-04)*	5E-03 *(3E-03, 9E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(9E-04, 1E-03)*	4E-03 *(3E-03, 5E-03)*	5E-03 *(4E-03, 6E-03)*	7E-03 *	-
MANGANESE	5E-05 *(4E-05, 6E-05)*	2E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	5E-05 *(4E-05, 6E-05)*	6E-05 *(5E-05, 7E-05)*	8E-05 *	-
Hazard Index	2E-03 *(2E-03, 3E-03)*	9E-03 *(6E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-03 *(5E-04, 3E-03)*	6E-03 *	* *	* *	-
TCDD-TEQ	1E-03 *(7E-04, 4E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(7E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D5. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	7E-11 *(3E-11, 1E-09)*	4E-09 *(3E-09, 4E-09)*	* *	* *	-
Additive Risk	3E-08 *(3E-08, 8E-08)*	2E-07 *(2E-07, 3E-07)*	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(3E-11, 1E-09)*	1E-08 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 1E-09)*	1E-08 *(4E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
BERYLLIUM	3E-11 *(3E-11, 2E-10)*	1E-09 *(7E-10, 2E-09)*	3E-09 *(2E-09, 3E-09)*	* *	-
CADMIUM	6E-11 *(5E-11, 2E-08)*	2E-07 *(8E-08, 3E-07)*	3E-07 *(2E-07, 4E-07)*	* *	-
CHROMIUM (VI)	1E-09 *(9E-10, 1E-09)*	2E-09 *(1E-09, 3E-09)*	4E-09 *(2E-09, 4E-09)*	* *	-
NICKEL	7E-11 *(6E-11, 9E-10)*	6E-09 *(3E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 3E-08)*	2E-07 *(9E-08, 3E-07)*	4E-07 *(2E-07, 4E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *	* *	* *	* *	-
ARSENIC	1E-06 *(8E-07, 3E-05)*	* *	* *	* *	-
BARIUM	6E-07 *(5E-07, 8E-07)*	4E-06 *	* *	* *	-
BERYLLIUM	1E-06 *(5E-07, 2E-06)*	* *	* *	* *	-
CADMIUM	9E-06 *	4E-03 *	* *	* *	-
CHROMIUM (III)	4E-08 *(9E-09, 6E-08)*	1E-06 *	* *	* *	-
CHROMIUM (VI)	1E-07 *(5E-08, 3E-07)*	* *	* *	* *	-
COBALT	2E-08 *(2E-08, 2E-08)*	2E-07 *	* *	* *	-
MANGANESE	9E-09 *(2E-09, 3E-07)*	7E-07 *(6E-07, 8E-07)*	* *	* *	-
MERCURY (DIVALENT)	7E-04 *(4E-04, 1E-03)*	7E-03 *(3E-03, 1E-02)*	* *	* *	-
MERCURY (METHYL)[b]	min: 8E-02	median: 2E-01	max: 4E-01		
NICKEL	1E-07 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	4E-09 *	* *	* *	* *	-
THALLIUM	7E-05 *	3E-04 *(2E-04, 3E-04)*	* *	* *	-
Hazard Index	4E-01 *(9E-02, 4E-01)*	4E-01 *(4E-01, 4E-01)*	4E-01 *(4E-01, 4E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D6. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	4E-11 *	* *	* *	* *	-
Additive Risk	3E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(3E-11, 2E-09)*	1E-08 *(5E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	2E-10 *(1E-10, 2E-09)*	1E-08 *(5E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
BERYLLIUM	4E-11 *(3E-11, 2E-10)*	2E-09 *(8E-10, 2E-09)*	3E-09 *(2E-09, 3E-09)*	* *	-
CADMIUM	7E-11 *(5E-11, 3E-08)*	2E-07 *(9E-08, 3E-07)*	4E-07 *(2E-07, 4E-07)*	* *	-
CHROMIUM (VI)	1E-09 *(1E-09, 1E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *(3E-09, 5E-09)*	* *	-
NICKEL	9E-11 *(7E-11, 1E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(2E-09, 3E-08)*	2E-07 *(1E-07, 3E-07)*	4E-07 *(3E-07, 5E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *	* *	* *	* *	-
ARSENIC	7E-07 *(5E-07, 1E-05)*	* *	* *	* *	-
BARIUM	2E-07 *(9E-08, 3E-07)*	9E-07 *(7E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	* *	-
BERYLLIUM	5E-07 *(2E-07, 9E-07)*	3E-06 *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	9E-09 *(2E-09, 1E-08)*	3E-07 *	* *	* *	-
CHROMIUM (VI)	5E-08 *(2E-08, 1E-07)*	* *	* *	* *	-
COBALT	6E-09 *(5E-09, 6E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *	* *	* *	* *	-
MERCURY (DIVALENT)	2E-04 *(1E-04, 3E-04)*	2E-03 *(8E-04, 3E-03)*	* *	* *	-
MERCURY (METHYL)[b]	min: 6E-02	median: 2E-01	max: 3E-01		
NICKEL	4E-08 *(2E-08, 2E-06)*	9E-06 *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	8E-10 *	* *	* *	* *	-
THALLIUM	5E-05 *	* *	* *	* *	-
Hazard Index	3E-01 *(6E-02, 3E-01)*	3E-01 *(3E-01, 3E-01)*	3E-01 *(3E-01, 3E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D7. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	1E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 1E-09)*	8E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	* *	-
ARSENIC	1E-10 *(8E-11, 1E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
BERYLLIUM	2E-11 *(2E-11, 1E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	4E-11 *(3E-11, 2E-08)*	1E-07 *(6E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
CHROMIUM (VI)	7E-10 *(7E-10, 7E-10)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	* *	-
NICKEL	6E-11 *(4E-11, 6E-10)*	5E-09 *(2E-09, 7E-09)*	8E-09 *(5E-09, 9E-09)*	* *	-
Additive Risk	1E-09 *(1E-09, 2E-08)*	2E-07 *(7E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(7E-08, 2E-07)*	* *	* *	* *	-
BERYLLIUM	3E-07 *(9E-08, 5E-07)*	1E-06 *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	5E-09 *(1E-09, 8E-09)*	2E-07 *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	1E-08 *	* *	* *	* *	-
MANGANESE	1E-09 *(3E-10, 6E-08)*	* *	* *	* *	-
MERCURY (DIVALENT)	9E-05 *(7E-05, 1E-04)*	* *	* *	* *	-
MERCURY (METHYL)[b]	min: 3E-02	median: 7E-02	max: 1E-01		
NICKEL	2E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	6E-10 *	* *	* *	* *	-
THALLIUM	2E-05 *	* *	* *	* *	-
Hazard Index	1E-01 *(3E-02, 1E-01)*	1E-01 *(1E-01, 1E-01)*	1E-01 *(1E-01, 1E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D8. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	2E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 1E-09)*	9E-09 *(4E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	* *	-
BERYLLIUM	3E-11 *(2E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	* *	-
CADMIUM	5E-11 *(4E-11, 2E-08)*	1E-07 *(7E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	* *	-
CHROMIUM (VI)	9E-10 *(8E-10, 9E-10)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	* *	-
NICKEL	6E-11 *(5E-11, 7E-10)*	5E-09 *(2E-09, 8E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
Additive Risk	1E-09 *(1E-09, 2E-08)*	2E-07 *(8E-08, 3E-07)*	3E-07 *(2E-07, 4E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
BERYLLIUM	1E-07 *(6E-08, 5E-07)*	9E-07 *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(5E-10, 3E-09)*	* *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	7E-09 *	* *	* *	* *	-
MANGANESE	6E-10 *	* *	* *	* *	-
MERCURY (DIVALENT)	5E-05 *(4E-05, 7E-05)*	6E-04 *(2E-04, 7E-04)*	* *	* *	-
MERCURY (METHYL)[b]	min: 3E-02	median: 1E-01	max: 2E-01		
NICKEL	1E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	2E-10 *	* *	* *	* *	-
THALLIUM	3E-05 *	* *	* *	* *	-
Hazard Index	2E-01 *(3E-02, 2E-01)*	2E-01 *(2E-01, 2E-01)*	2E-01 *(2E-01, 2E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D9. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-08	*	*	*	-
ARSENIC	4E-10	9E-10	*	*	-
Additive Risk	9E-08	4E-07	4E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	3E-09	1E-08	2E-08	*	-
ARSENIC	1E-09	6E-09	8E-09	*	-
BERYLLIUM	6E-11	3E-10	6E-10	*	-
CADMIUM	1E-09	7E-09	2E-08	*	-
CHROMIUM (VI)	7E-10	5E-09	7E-09	*	-
NICKEL	1E-10	4E-09	9E-09	*	-
Additive Risk	9E-09	3E-08	4E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	8E-06	7E-05	9E-05	*	-
ARSENIC	9E-06	3E-05	4E-05	*	-
BARIUM	2E-07	3E-06	5E-06	*	-
BERYLLIUM	3E-07	4E-06	9E-06	*	-
CADMIUM	3E-05	9E-05	1E-04	*	-
CHROMIUM (III)	4E-08	5E-07	9E-07	*	-
CHROMIUM (VI)	1E-07	7E-07	9E-07	*	-
COBALT	1E-08	9E-08	1E-07	*	-
MANGANESE	5E-08	1E-07	1E-07	*	-
MERCURY (DIVALENT)	5E-05	1E-03	2E-03	*	-
MERCURY (METHYL)[b]	min: 4E-04	median: 2E-03	max: 2E-02		
NICKEL	3E-07	4E-06	6E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	6E-08	*	*	*	-
THALLIUM	1E-05	2E-05	3E-05	*	-
Hazard Index	2E-03	2E-02	2E-02	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	5E-03	1E-02	*	-
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*	-
MANGANESE	6E-05	2E-04	3E-04	*	-
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*	-
Hazard Index	2E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	4E-03	*	*	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D10. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-08	*	*	*	-
ARSENIC	2E-10	6E-10	8E-10	*	-
Additive Risk	8E-08	3E-07	4E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	3E-09	1E-08	2E-08	*	-
ARSENIC	2E-09	7E-09	9E-09	*	-
BERYLLIUM	6E-11	4E-10	7E-10	*	-
CADMIUM	1E-09	8E-09	2E-08	*	-
CHROMIUM (VI)	8E-10	5E-09	7E-09	*	-
NICKEL	1E-10	4E-09	1E-08	*	-
Additive Risk	1E-08	4E-08	4E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	5E-06	*	*	*	-
ARSENIC	4E-06	1E-05	*	*	-
BARIUM	8E-08	9E-07	1E-06	*	-
BERYLLIUM	1E-07	1E-06	2E-06	*	-
CADMIUM	1E-05	6E-05	7E-05	*	-
CHROMIUM (III)	9E-09	1E-07	2E-07	*	-
CHROMIUM (VI)	5E-08	3E-07	4E-07	*	-
COBALT	3E-09	2E-08	3E-08	*	-
MANGANESE	2E-08	4E-08	5E-08	*	-
MERCURY (DIVALENT)	1E-05	3E-04	6E-04	*	-
MERCURY (METHYL)[b]	min: 3E-04	median: 1E-03	max: 1E-02		
NICKEL	2E-07	2E-06	3E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	5E-06	1E-05	*	*	-
Hazard Index	1E-03	1E-02	1E-02	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	5E-03	1E-02	*	-
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*	-
MANGANESE	6E-05	2E-04	3E-04	*	-
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*	-
Hazard Index	2E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-03	*	*	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D11. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-08	*	*	*	-
ARSENIC	1E-10	4E-10	4E-10	*	-
Additive Risk	4E-08	2E-07	2E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09	9E-09	1E-08	*	-
ARSENIC	1E-09	5E-09	6E-09	*	-
BERYLLIUM	4E-11	2E-10	4E-10	*	-
CADMIUM	9E-10	5E-09	1E-08	*	-
CHROMIUM (VI)	5E-10	3E-09	5E-09	*	-
NICKEL	9E-11	3E-09	7E-09	*	-
Additive Risk	6E-09	2E-08	3E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	*	*	*	-
ARSENIC	2E-06	7E-06	8E-06	*	-
BARIUM	4E-08	5E-07	7E-07	*	-
BERYLLIUM	6E-08	6E-07	9E-07	*	-
CADMIUM	9E-06	3E-05	4E-05	*	-
CHROMIUM (III)	5E-09	6E-08	9E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	5E-08	5E-08	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	7E-06	2E-04	4E-04	*	-
MERCURY (METHYL)[b]	min: 1E-04	median: 6E-04	max: 7E-03		
NICKEL	9E-08	1E-06	2E-06	*	-
SELENIUM	7E-07	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	3E-06	8E-06	*	*	-
Hazard Index	6E-04	7E-03	7E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	5E-03	1E-02	*	-
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*	-
MANGANESE	6E-05	2E-04	3E-04	*	-
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*	-
Hazard Index	2E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-03	*	*	*	-
TCDD-TEQ	1E-03	7E-03	7E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D12. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+): Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-08	*	*	*	-
ARSENIC	2E-10	6E-10	7E-10	*	-
Additive Risk	6E-08	3E-07	3E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09	1E-08	1E-08	*	-
ARSENIC	1E-09	5E-09	7E-09	*	-
BERYLLIUM	5E-11	3E-10	5E-10	*	-
CADMIUM	1E-09	6E-09	1E-08	*	-
CHROMIUM (VI)	6E-10	4E-09	5E-09	*	-
NICKEL	1E-10	3E-09	8E-09	*	-
Additive Risk	7E-09	3E-08	3E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	3E-05	*	*	-
ARSENIC	3E-06	8E-06	8E-06	*	-
BARIUM	2E-08	2E-07	3E-07	*	-
BERYLLIUM	4E-08	2E-07	5E-07	*	-
CADMIUM	9E-06	3E-05	3E-05	*	-
CHROMIUM (III)	2E-09	3E-08	5E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	*	*	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	3E-06	8E-05	1E-04	*	-
MERCURY (METHYL)[b]	min: 2E-04	median: 7E-04	max: 8E-03		
NICKEL	1E-07	*	*	*	-
SELENIUM	6E-07	*	*	*	-
SILVER	3E-08	*	*	*	-
THALLIUM	2E-06	9E-06	*	*	-
Hazard Index	7E-04	8E-03	8E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	5E-03	1E-02	*	-
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*	-
MANGANESE	6E-05	2E-04	3E-04	*	-
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*	-
Hazard Index	2E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-03	5E-03	6E-03	*	-
TCDD-TEQ	2E-03	8E-03	8E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D13. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(1E-09, 2E-09)*	7E-08 *(5E-08, 9E-08)*	2E-07 *(8E-08, 4E-07)*	* *	-
ARSENIC	6E-11 *(1E-11, 1E-10)*	3E-09 *(9E-10, 1E-08)*	7E-08 *(4E-09, 9E-08)*	1E-07 *(8E-08, 2E-07)*	-
Additive Risk	2E-09 *(2E-09, 4E-09)*	8E-08 *(6E-08, 2E-07)*	3E-07 *(1E-07, 5E-07)*	7E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(2E-11, 7E-11)*	3E-09 *(1E-09, 5E-09)*	8E-09 *(4E-09, 1E-08)*	2E-08 *	-
ARSENIC	3E-10 *(1E-10, 6E-10)*	2E-08 *(1E-08, 5E-08)*	8E-08 *(3E-08, 2E-07)*	9E-07 *	-
BERYLLIUM	7E-12 *(5E-12, 1E-11)*	5E-10 *(1E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	5E-09 *	-
CADMIUM	1E-10 *(9E-11, 2E-10)*	1E-08 *(7E-09, 3E-08)*	4E-08 *(2E-08, 1E-07)*	4E-07 *	-
CHROMIUM (VI)	8E-10 *(6E-10, 1E-09)*	2E-08 *(1E-08, 4E-08)*	6E-08 *(3E-08, 1E-07)*	3E-07 *	-
NICKEL	5E-11 *(3E-11, 8E-11)*	1E-09 *(8E-10, 2E-09)*	3E-09 *(2E-09, 4E-09)*	1E-08 *	-
Additive Risk	4E-09 *(2E-09, 7E-09)*	9E-08 *(5E-08, 2E-07)*	2E-07 *(1E-07, 4E-07)*	1E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(4E-08, 8E-07)*	4E-04 *(2E-05, 2E-03)*	3E-03 *(5E-04, 1E-02)*	* *	-
ARSENIC	1E-06 *(4E-07, 3E-06)*	8E-05 *(2E-05, 3E-04)*	1E-03 *(9E-05, 2E-03)*	* *	-
BARIUM	8E-08 *(4E-08, 1E-07)*	1E-06 *(9E-07, 2E-06)*	4E-06 *(2E-06, 7E-06)*	3E-05 *(1E-05, 5E-05)*	-
BERYLLIUM	3E-08 *(2E-08, 4E-08)*	2E-06 *(9E-07, 5E-06)*	9E-06 *(3E-06, 3E-05)*	6E-05 *(2E-05, 7E-05)*	-
CADMIUM	3E-06 *(1E-06, 4E-06)*	5E-04 *(2E-04, 1E-03)*	3E-03 *(8E-04, 4E-03)*	1E-02 *(4E-03, 2E-02)*	-
CHROMIUM (III)	4E-09 *(2E-09, 7E-09)*	2E-07 *(1E-07, 3E-07)*	5E-07 *(3E-07, 7E-07)*	2E-06 *(1E-06, 3E-06)*	-
CHROMIUM (VI)	3E-08 *(1E-08, 5E-08)*	9E-06 *(1E-06, 2E-05)*	2E-05 *(8E-06, 5E-05)*	* *	-
COBALT	2E-09 *(1E-09, 2E-09)*	3E-08 *(3E-08, 4E-08)*	6E-08 *(5E-08, 7E-08)*	1E-07 *(1E-07, 2E-07)*	-
MANGANESE	3E-08 *(2E-08, 4E-08)*	1E-06 *(3E-07, 2E-06)*	2E-06 *(1E-06, 3E-06)*	4E-06 *	-
MERCURY (DIVALENT)	2E-06 *(8E-07, 4E-06)*	9E-05 *(5E-05, 1E-04)*	2E-04 *(1E-04, 7E-04)*	2E-03 *(8E-04, 4E-03)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	2E-08 *(1E-08, 5E-08)*	6E-06 *(8E-07, 1E-05)*	1E-05 *(5E-06, 2E-05)*	* *	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(1E-05, 5E-05)*	9E-05 *(2E-05, 2E-04)*	* *	-
SILVER	4E-09 *(1E-09, 1E-08)*	2E-06 *(4E-07, 3E-06)*	3E-06 *(2E-06, 7E-06)*	* *	-
THALLIUM	1E-06 *(9E-07, 2E-06)*	9E-05 *(4E-05, 1E-04)*	1E-04 *(1E-04, 4E-04)*	7E-03 *	-
Hazard Index	1E-04 *(1E-04, 3E-04)*	7E-03 *(4E-03, 1E-02)*	2E-02 *(6E-03, 3E-02)*	1E-01 *(2E-02, 1E-01)*	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	7E-05 *(4E-05, 9E-05)*	2E-04 *(9E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	7E-04 *(4E-04, 1E-03)*	1E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(7E-05, 2E-04)*	2E-03 *(1E-03, 3E-03)*	4E-03 *(2E-03, 6E-03)*	9E-03 *(7E-03, 1E-02)*	-
MANGANESE	1E-04 *(1E-04, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(9E-04, 2E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-05 *(5E-05, 1E-04)*	3E-03 *(2E-03, 5E-03)*	9E-03 *(4E-03, 2E-02)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D14. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(9E-10, 2E-09)*	6E-08 *(4E-08, 9E-08)*	1E-07 *(7E-08, 4E-07)*	* *	-
ARSENIC	5E-11 *(9E-12, 9E-11)*	2E-09 *(8E-10, 5E-09)*	2E-08 *(2E-09, 7E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	8E-08 *(5E-08, 2E-07)*	3E-07 *(8E-08, 5E-07)*	6E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 8E-11)*	3E-09 *(1E-09, 5E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *	-
ARSENIC	3E-10 *(1E-10, 7E-10)*	3E-08 *(1E-08, 6E-08)*	1E-07 *(3E-08, 3E-07)*	1E-06 *	-
BERYLLIUM	8E-12 *(5E-12, 1E-11)*	6E-10 *(2E-10, 1E-09)*	2E-09 *(7E-10, 2E-09)*	5E-09 *	-
CADMIUM	2E-10 *(1E-10, 3E-10)*	2E-08 *(8E-09, 3E-08)*	5E-08 *(2E-08, 1E-07)*	5E-07 *	-
CHROMIUM (VI)	9E-10 *(6E-10, 1E-09)*	3E-08 *(2E-08, 5E-08)*	7E-08 *(4E-08, 1E-07)*	4E-07 *	-
NICKEL	6E-11 *(4E-11, 9E-11)*	1E-09 *(9E-10, 2E-09)*	3E-09 *(2E-09, 5E-09)*	1E-08 *	-
Additive Risk	4E-09 *(3E-09, 8E-09)*	1E-07 *(5E-08, 2E-07)*	3E-07 *(1E-07, 5E-07)*	1E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-08 *(2E-08, 3E-07)*	2E-04 *(9E-06, 1E-03)*	2E-03 *(2E-04, 8E-03)*	* *	-
ARSENIC	9E-07 *(2E-07, 2E-06)*	3E-05 *(1E-05, 9E-05)*	5E-04 *(5E-05, 9E-04)*	2E-03 *	-
BARIUM	2E-08 *(1E-08, 3E-08)*	5E-07 *(3E-07, 7E-07)*	1E-06 *(7E-07, 2E-06)*	7E-06 *(3E-06, 9E-06)*	-
BERYLLIUM	9E-09 *(7E-09, 1E-08)*	7E-07 *(3E-07, 1E-06)*	3E-06 *(9E-07, 8E-06)*	2E-05 *(7E-06, 3E-05)*	-
CADMIUM	2E-06 *(9E-07, 3E-06)*	3E-04 *(1E-04, 7E-04)*	2E-03 *(5E-04, 3E-03)*	* *	-
CHROMIUM (III)	1E-09 *(7E-10, 2E-09)*	5E-08 *(3E-08, 8E-08)*	1E-07 *(8E-08, 2E-07)*	5E-07 *(3E-07, 8E-07)*	-
CHROMIUM (VI)	1E-08 *(7E-09, 2E-08)*	3E-06 *(7E-07, 8E-06)*	9E-06 *(3E-06, 3E-05)*	* *	-
COBALT	6E-10 *(4E-10, 7E-10)*	9E-09 *(7E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	4E-08 *(3E-08, 5E-08)*	-
MANGANESE	1E-08 *(8E-09, 1E-08)*	8E-07 *(9E-08, 1E-06)*	1E-06 *(7E-07, 2E-06)*	2E-06 *	-
MERCURY (DIVALENT)	5E-07 *(2E-07, 9E-07)*	2E-05 *(1E-05, 4E-05)*	6E-05 *(3E-05, 1E-04)*	5E-04 *(1E-04, 9E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	9E-09 *(6E-09, 2E-08)*	3E-06 *(4E-07, 6E-06)*	6E-06 *(2E-06, 1E-05)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	6E-05 *(2E-05, 9E-05)*	* *	-
SILVER	2E-09 *(7E-10, 7E-09)*	1E-06 *(2E-07, 2E-06)*	2E-06 *(1E-06, 3E-06)*	* *	-
THALLIUM	9E-07 *(5E-07, 1E-06)*	5E-05 *(2E-05, 8E-05)*	9E-05 *(7E-05, 3E-04)*	* *	-
Hazard Index	9E-05 *(5E-05, 1E-04)*	4E-03 *(3E-03, 8E-03)*	9E-03 *(4E-03, 2E-02)*	7E-02 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	7E-05 *(4E-05, 9E-05)*	2E-04 *(9E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	7E-04 *(4E-04, 1E-03)*	1E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(7E-05, 2E-04)*	2E-03 *(1E-03, 3E-03)*	4E-03 *(2E-03, 6E-03)*	9E-03 *(7E-03, 1E-02)*	-
MANGANESE	1E-04 *(1E-04, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(9E-04, 2E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(3E-05, 7E-05)*	2E-03 *(1E-03, 3E-03)*	7E-03 *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D15. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(5E-10, 1E-09)*	3E-08 *(2E-08, 5E-08)*	9E-08 *	* *	-
ARSENIC	2E-11 *(6E-12, 6E-11)*	9E-10 *(4E-10, 2E-09)*	1E-08 *(1E-09, 4E-08)*	* *	-
Additive Risk	9E-10 *(8E-10, 2E-09)*	4E-08 *(2E-08, 1E-07)*	2E-07 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 5E-11)*	2E-09 *(9E-10, 3E-09)*	6E-09 *(3E-09, 7E-09)*	1E-08 *	-
ARSENIC	2E-10 *(7E-11, 5E-10)*	2E-08 *(9E-09, 4E-08)*	6E-08 *(2E-08, 2E-07)*	7E-07 *	-
BERYLLIUM	5E-12 *(3E-12, 8E-12)*	4E-10 *(1E-10, 8E-10)*	1E-09 *(4E-10, 2E-09)*	3E-09 *	-
CADMIUM	1E-10 *(6E-11, 2E-10)*	1E-08 *(5E-09, 2E-08)*	3E-08 *(1E-08, 8E-08)*	3E-07 *	-
CHROMIUM (VI)	6E-10 *(4E-10, 9E-10)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(2E-08, 9E-08)*	3E-07 *	-
NICKEL	4E-11 *(2E-11, 6E-11)*	8E-10 *(6E-10, 1E-09)*	2E-09 *(1E-09, 3E-09)*	7E-09 *	-
Additive Risk	3E-09 *(2E-09, 5E-09)*	7E-08 *(4E-08, 1E-07)*	2E-07 *(9E-08, 3E-07)*	9E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-08 *(9E-09, 2E-07)*	1E-04 *(5E-06, 8E-04)*	1E-03 *(1E-04, 6E-03)*	* *	-
ARSENIC	5E-07 *(9E-08, 9E-07)*	2E-05 *(8E-06, 5E-05)*	2E-04 *(2E-05, 9E-04)*	* *	-
BARIUM	9E-09 *(6E-09, 2E-08)*	2E-07 *(1E-07, 4E-07)*	7E-07 *(3E-07, 9E-07)*	3E-06 *(1E-06, 7E-06)*	-
BERYLLIUM	6E-09 *(4E-09, 9E-09)*	4E-07 *(1E-07, 8E-07)*	1E-06 *(5E-07, 4E-06)*	* *	-
CADMIUM	1E-06 *(5E-07, 2E-06)*	2E-04 *(9E-05, 4E-04)*	1E-03 *(2E-04, 2E-03)*	* *	-
CHROMIUM (III)	6E-10 *(3E-10, 9E-10)*	2E-08 *(1E-08, 4E-08)*	7E-08 *(4E-08, 9E-08)*	2E-07 *(1E-07, 4E-07)*	-
CHROMIUM (VI)	7E-09 *(4E-09, 1E-08)*	2E-06 *(4E-07, 5E-06)*	6E-06 *(1E-06, 2E-05)*	* *	-
COBALT	2E-09 *(1E-09, 3E-09)*	1E-07 *(1E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	5E-07 *(4E-07, 6E-07)*	-
MANGANESE	7E-09 *(5E-09, 9E-09)*	5E-07 *(6E-08, 6E-07)*	7E-07 *(4E-07, 9E-07)*	* *	-
MERCURY (DIVALENT)	3E-07 *(1E-07, 6E-07)*	1E-05 *(7E-06, 2E-05)*	3E-05 *(1E-05, 9E-05)*	2E-04 *(9E-05, 6E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 8E-06	max: 4E-03		
NICKEL	5E-09 *(3E-09, 1E-08)*	2E-06 *(2E-07, 3E-06)*	4E-06 *(1E-06, 9E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(4E-06, 2E-05)*	3E-05 *(9E-06, 6E-05)*	* *	-
SILVER	1E-09 *(4E-10, 4E-09)*	7E-07 *(1E-07, 9E-07)*	1E-06 *(7E-07, 2E-06)*	* *	-
THALLIUM	5E-07 *(2E-07, 8E-07)*	3E-05 *(1E-05, 4E-05)*	5E-05 *(3E-05, 2E-04)*	* *	-
Hazard Index	5E-05 *(3E-05, 1E-04)*	2E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 1E-02)*	5E-02 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	7E-05 *(4E-05, 9E-05)*	2E-04 *(9E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	7E-04 *(4E-04, 1E-03)*	1E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(7E-05, 2E-04)*	2E-03 *(1E-03, 3E-03)*	4E-03 *(2E-03, 6E-03)*	9E-03 *(7E-03, 1E-02)*	-
MANGANESE	1E-04 *(1E-04, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(9E-04, 2E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 3E-05)*	9E-04 *(6E-04, 1E-03)*	3E-03 *(9E-04, 6E-03)*	* *	-
TCDD-TEQ	3E-05 *(2E-05, 4E-05)*	1E-03 *(8E-04, 2E-03)*	4E-03 *(1E-03, 8E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D16. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(8E-10, 1E-09)*	5E-08 *(3E-08, 8E-08)*	1E-07 *(6E-08, 3E-07)*	* *	-
ARSENIC	4E-11 *(9E-12, 8E-11)*	1E-09 *(7E-10, 3E-09)*	9E-09 *(2E-09, 8E-08)*	* *	-
Additive Risk	1E-09 *(1E-09, 3E-09)*	6E-08 *(4E-08, 2E-07)*	2E-07 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(2E-11, 6E-11)*	2E-09 *(1E-09, 4E-09)*	7E-09 *(4E-09, 8E-09)*	2E-08 *	-
ARSENIC	2E-10 *(8E-11, 5E-10)*	2E-08 *(1E-08, 4E-08)*	7E-08 *(2E-08, 2E-07)*	8E-07 *	-
BERYLLIUM	6E-12 *(4E-12, 9E-12)*	4E-10 *(1E-10, 9E-10)*	1E-09 *(5E-10, 2E-09)*	4E-09 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	1E-08 *(6E-09, 2E-08)*	3E-08 *(2E-08, 9E-08)*	3E-07 *	-
CHROMIUM (VI)	7E-10 *(5E-10, 1E-09)*	2E-08 *(1E-08, 4E-08)*	5E-08 *(3E-08, 1E-07)*	3E-07 *	-
NICKEL	4E-11 *(3E-11, 7E-11)*	1E-09 *(7E-10, 1E-09)*	2E-09 *(1E-09, 3E-09)*	8E-09 *	-
Additive Risk	3E-09 *(2E-09, 6E-09)*	8E-08 *(4E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	1E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-08 *(1E-08, 2E-07)*	1E-04 *(6E-06, 9E-04)*	1E-03 *(1E-04, 7E-03)*	* *	-
ARSENIC	5E-07 *(9E-08, 9E-07)*	1E-05 *(8E-06, 4E-05)*	8E-05 *(2E-05, 9E-04)*	* *	-
BARIUM	6E-09 *(3E-09, 9E-09)*	1E-07 *(1E-07, 2E-07)*	4E-07 *(2E-07, 6E-07)*	1E-06 *(8E-07, 2E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	3E-07 *(8E-08, 5E-07)*	9E-07 *(4E-07, 2E-06)*	* *	-
CADMIUM	1E-06 *(6E-07, 2E-06)*	2E-04 *(8E-05, 4E-04)*	1E-03 *(2E-04, 2E-03)*	* *	-
CHROMIUM (III)	2E-10 *(1E-10, 4E-10)*	9E-09 *(6E-09, 1E-08)*	3E-08 *(1E-08, 4E-08)*	1E-07 *(7E-08, 1E-07)*	-
CHROMIUM (VI)	7E-09 *(3E-09, 1E-08)*	1E-06 *(3E-07, 6E-06)*	7E-06 *(1E-06, 2E-05)*	* *	-
COBALT	2E-09 *(8E-10, 3E-09)*	2E-07 *(1E-08, 3E-07)*	3E-07 *(1E-07, 4E-07)*	* *	-
MANGANESE	6E-09 *(2E-09, 8E-09)*	6E-07 *(4E-08, 7E-07)*	8E-07 *(4E-07, 9E-07)*	* *	-
MERCURY (DIVALENT)	1E-07 *(6E-08, 2E-07)*	5E-06 *(3E-06, 9E-06)*	1E-05 *(8E-06, 4E-05)*	9E-05 *(4E-05, 2E-04)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 8E-06	max: 5E-03		
NICKEL	5E-09 *(2E-09, 9E-09)*	2E-06 *(2E-07, 5E-06)*	5E-06 *(7E-07, 9E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(5E-06, 2E-05)*	4E-05 *(1E-05, 7E-05)*	* *	-
SILVER	1E-09 *(2E-10, 5E-09)*	8E-07 *(1E-07, 1E-06)*	1E-06 *(8E-07, 2E-06)*	* *	-
THALLIUM	5E-07 *(2E-07, 9E-07)*	3E-05 *(1E-05, 5E-05)*	6E-05 *(3E-05, 2E-04)*	* *	-
Hazard Index	5E-05 *(3E-05, 1E-04)*	2E-03 *(1E-03, 5E-03)*	5E-03 *(2E-03, 1E-02)*	6E-02 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	7E-05 *(4E-05, 9E-05)*	2E-04 *(9E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	7E-04 *(4E-04, 1E-03)*	1E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(7E-05, 2E-04)*	2E-03 *(1E-03, 3E-03)*	4E-03 *(2E-03, 6E-03)*	9E-03 *(7E-03, 1E-02)*	-
MANGANESE	1E-04 *(1E-04, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(9E-04, 2E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 4E-05)*	1E-03 *(8E-04, 2E-03)*	3E-03 *(1E-03, 8E-03)*	* *	-
TCDD-TEQ	3E-05 *(2E-05, 4E-05)*	1E-03 *(8E-04, 2E-03)*	5E-03 *(1E-03, 8E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D17. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 2E-09)*	2E-08 *(8E-09, 3E-08)*	3E-08 *(1E-08, 6E-08)*	9E-08 *	-
ARSENIC	5E-12 *(8E-13, 2E-11)*	3E-09 *(8E-11, 4E-09)*	5E-09 *(1E-09, 9E-09)*	2E-08 *	-
Additive Risk	2E-09 *(2E-09, 7E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 7E-08)*	1E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 6E-11)*	2E-09 *(9E-11, 5E-09)*	6E-09 *(4E-10, 1E-08)*	2E-08 *	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	3E-08 *(6E-10, 9E-08)*	9E-08 *(7E-09, 2E-07)*	3E-07 *	-
BERYLLIUM	4E-12 *(2E-12, 8E-12)*	7E-11 *(1E-11, 2E-10)*	2E-10 *(3E-11, 6E-10)*	1E-09 *	-
CADMIUM	4E-11 *(2E-11, 9E-11)*	5E-09 *(1E-10, 2E-08)*	3E-08 *(4E-09, 6E-08)*	3E-07 *(8E-08, 3E-07)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 5E-09)*	6E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	3E-11 *(7E-12, 7E-11)*	8E-10 *(2E-10, 2E-09)*	3E-09 *(7E-10, 6E-09)*	2E-08 *(7E-09, 2E-08)*	-
Additive Risk	4E-10 *(3E-10, 2E-09)*	7E-08 *(5E-09, 1E-07)*	2E-07 *(3E-08, 3E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	4E-08 *(3E-08, 9E-07)*	9E-05 *	* *	* *	-
ARSENIC	8E-08 *(2E-08, 5E-07)*	9E-05 *(2E-06, 1E-04)*	1E-04 *(4E-05, 2E-04)*	5E-04 *	-
BARIUM	1E-08 *(3E-09, 9E-08)*	1E-06 *(4E-07, 5E-06)*	6E-06 *(9E-07, 8E-06)*	2E-05 *(9E-06, 2E-05)*	-
BERYLLIUM	2E-08 *(7E-09, 4E-08)*	4E-07 *(5E-08, 1E-06)*	1E-06 *(2E-07, 3E-06)*	9E-06 *	-
CADMIUM	2E-06 *(9E-07, 4E-06)*	2E-04 *(4E-06, 4E-04)*	8E-04 *(9E-05, 1E-03)*	2E-03 *(2E-03, 3E-03)*	-
CHROMIUM (III)	2E-10 *(8E-11, 3E-09)*	8E-08 *(9E-09, 2E-07)*	3E-07 *(5E-08, 5E-07)*	7E-07 *(6E-07, 8E-07)*	-
CHROMIUM (VI)	9E-09 *(5E-09, 1E-08)*	4E-08 *(2E-08, 6E-08)*	7E-08 *(3E-08, 2E-07)*	5E-07 *	-
COBALT	2E-09 *(6E-10, 4E-09)*	3E-08 *(9E-09, 7E-08)*	9E-08 *(2E-08, 1E-07)*	2E-07 *(1E-07, 2E-07)*	-
MANGANESE	2E-08 *(6E-09, 3E-08)*	4E-07 *(5E-08, 5E-07)*	6E-07 *(1E-07, 8E-07)*	9E-07 *(4E-07, 1E-06)*	-
MERCURY (DIVALENT)	1E-07 *(5E-08, 8E-06)*	1E-04 *(1E-05, 2E-04)*	2E-04 *(5E-05, 5E-04)*	9E-04 *	-
MERCURY (METHYL)[a]	min: 5E-07	median: 2E-04	max: 6E-03		
NICKEL	7E-09 *(5E-09, 3E-08)*	9E-07 *(7E-08, 1E-06)*	1E-06 *(3E-07, 1E-06)*	4E-06 *(2E-06, 4E-06)*	-
SELENIUM	4E-07 *(5E-08, 9E-07)*	7E-06 *(9E-07, 2E-05)*	* *	* *	-
SILVER	3E-09 *(2E-10, 5E-09)*	6E-08 *	* *	* *	-
THALLIUM	1E-06 *(2E-07, 2E-06)*	1E-04 *(2E-06, 3E-04)*	5E-04 *(6E-05, 9E-04)*	2E-03 *(1E-03, 3E-03)*	-
Hazard Index	2E-05 *(5E-06, 8E-04)*	4E-03 *(1E-03, 5E-03)*	5E-03 *(3E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(3E-07, 7E-06)*	6E-05 *(2E-05, 1E-04)*	2E-04 *(4E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	-
CHLORINE (CL2)	1E-04 *(5E-05, 2E-04)*	1E-03 *(5E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(6E-06, 1E-04)*	9E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *	-
MANGANESE	7E-05 *(5E-05, 1E-04)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(6E-04, 2E-03)*	3E-03 *(2E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	2E-04 *(5E-06, 9E-04)*	8E-04 *(2E-05, 2E-03)*	4E-03 *	-
Hazard Index	4E-04 *(3E-04, 6E-04)*	3E-03 *(1E-03, 9E-03)*	9E-03 *(2E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-05 *(7E-05, 8E-05)*	9E-04 *(4E-04, 1E-03)*	2E-03 *(8E-04, 3E-03)*	4E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D18. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 2E-09)*	2E-08 *(6E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
ARSENIC	4E-12 *(6E-13, 1E-11)*	2E-09 *(4E-11, 3E-09)*	3E-09 *(9E-10, 4E-09)*	8E-09 *	-
Additive Risk	2E-09 *(2E-09, 6E-09)*	2E-08 *(7E-09, 2E-08)*	3E-08 *(1E-08, 4E-08)*	5E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 7E-11)*	2E-09 *(1E-10, 6E-09)*	7E-09 *(5E-10, 2E-08)*	2E-08 *	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	3E-08 *(6E-10, 1E-07)*	1E-07 *(8E-09, 3E-07)*	4E-07 *	-
BERYLLIUM	5E-12 *(3E-12, 9E-12)*	9E-11 *(1E-11, 3E-10)*	2E-10 *(3E-11, 7E-10)*	1E-09 *	-
CADMIUM	5E-11 *(2E-11, 1E-10)*	6E-09 *(1E-10, 2E-08)*	4E-08 *(4E-09, 6E-08)*	3E-07 *(9E-08, 4E-07)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 6E-09)*	6E-09 *(2E-09, 2E-08)*	2E-08 *	-
NICKEL	3E-11 *(8E-12, 8E-11)*	9E-10 *(3E-10, 2E-09)*	4E-09 *(8E-10, 7E-09)*	2E-08 *(9E-09, 2E-08)*	-
Additive Risk	5E-10 *(3E-10, 3E-09)*	8E-08 *(6E-09, 2E-07)*	2E-07 *(3E-08, 4E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(1E-08, 4E-07)*	3E-05 *	* *	* *	-
ARSENIC	8E-08 *(9E-09, 2E-07)*	4E-05 *(6E-07, 5E-05)*	6E-05 *(2E-05, 8E-05)*	* *	-
BARIUM	4E-09 *(9E-10, 3E-08)*	4E-07 *(9E-08, 1E-06)*	1E-06 *(3E-07, 2E-06)*	4E-06 *(3E-06, 4E-06)*	-
BERYLLIUM	7E-09 *(3E-09, 1E-08)*	1E-07 *(2E-08, 3E-07)*	3E-07 *(6E-08, 8E-07)*	3E-06 *	-
CADMIUM	7E-07 *(6E-07, 3E-06)*	1E-04 *(3E-06, 3E-04)*	* *	* *	-
CHROMIUM (III)	6E-11 *(3E-11, 9E-10)*	2E-08 *(2E-09, 5E-08)*	8E-08 *(1E-08, 1E-07)*	2E-07 *(1E-07, 2E-07)*	-
CHROMIUM (VI)	5E-09 *(2E-09, 6E-09)*	2E-08 *(7E-09, 3E-08)*	3E-08 *(1E-08, 6E-08)*	9E-08 *	-
COBALT	5E-10 *(1E-10, 9E-10)*	9E-09 *(2E-09, 2E-08)*	2E-08 *(6E-09, 3E-08)*	5E-08 *(3E-08, 6E-08)*	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	1E-07 *(2E-08, 2E-07)*	2E-07 *(3E-08, 3E-07)*	4E-07 *	-
MERCURY (DIVALENT)	4E-08 *(1E-08, 2E-06)*	3E-05 *(4E-06, 6E-05)*	6E-05 *(1E-05, 1E-04)*	3E-04 *	-
MERCURY (METHYL)[a]	min: 1E-07	median: 2E-04	max: 4E-03		
NICKEL	3E-09 *(3E-09, 9E-09)*	6E-07 *(5E-08, 7E-07)*	7E-07 *(1E-07, 7E-07)*	9E-07 *(6E-07, 1E-06)*	-
SELENIUM	3E-07 *(4E-08, 7E-07)*	5E-06 *(8E-07, 9E-06)*	* *	* *	-
SILVER	1E-09 *(5E-11, 2E-09)*	3E-08 *	* *	* *	-
THALLIUM	8E-07 *(2E-07, 1E-06)*	4E-05 *(1E-06, 2E-04)*	2E-04 *(2E-05, 5E-04)*	9E-04 *(7E-04, 9E-04)*	-
Hazard Index	2E-05 *(3E-06, 6E-04)*	3E-03 *(6E-04, 4E-03)*	4E-03 *(3E-03, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(3E-07, 7E-06)*	6E-05 *(2E-05, 1E-04)*	2E-04 *(4E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	-
CHLORINE (CL2)	1E-04 *(5E-05, 2E-04)*	1E-03 *(5E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(6E-06, 1E-04)*	9E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *	-
MANGANESE	7E-05 *(5E-05, 1E-04)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(6E-04, 2E-03)*	3E-03 *(2E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	2E-04 *(5E-06, 9E-04)*	8E-04 *(2E-05, 2E-03)*	4E-03 *	-
Hazard Index	4E-04 *(3E-04, 6E-04)*	3E-03 *(1E-03, 9E-03)*	9E-03 *(2E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(5E-05, 6E-05)*	7E-04 *(2E-04, 8E-04)*	9E-04 *(4E-04, 9E-04)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D19. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(7E-10, 9E-10)*	9E-09 *(3E-09, 1E-08)*	1E-08 *(7E-09, 1E-08)*	2E-08 *	-
ARSENIC	2E-12 *(3E-13, 7E-12)*	1E-09 *(2E-11, 2E-09)*	2E-09 *(6E-10, 2E-09)*	4E-09 *	-
Additive Risk	9E-10 *(8E-10, 3E-09)*	1E-08 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(7E-12, 4E-11)*	2E-09 *(7E-11, 4E-09)*	4E-09 *(3E-10, 1E-08)*	1E-08 *	-
ARSENIC	2E-11 *(9E-12, 1E-10)*	2E-08 *(4E-10, 6E-08)*	7E-08 *(5E-09, 2E-07)*	2E-07 *	-
BERYLLIUM	3E-12 *(2E-12, 6E-12)*	6E-11 *(9E-12, 2E-10)*	1E-10 *(2E-11, 4E-10)*	9E-10 *	-
CADMIUM	3E-11 *(1E-11, 7E-11)*	4E-09 *(1E-10, 1E-08)*	2E-08 *(3E-09, 4E-08)*	2E-07 *(6E-08, 2E-07)*	-
CHROMIUM (VI)	1E-10 *(8E-11, 2E-10)*	1E-09 *(7E-10, 4E-09)*	4E-09 *(1E-09, 1E-08)*	1E-08 *	-
NICKEL	2E-11 *(5E-12, 5E-11)*	6E-10 *(2E-10, 1E-09)*	2E-09 *(5E-10, 5E-09)*	1E-08 *(5E-09, 1E-08)*	-
Additive Risk	3E-10 *(2E-10, 2E-09)*	5E-08 *(4E-09, 1E-07)*	1E-07 *(2E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(5E-09, 2E-07)*	1E-05 *	* *	* *	-
ARSENIC	4E-08 *(6E-09, 1E-07)*	2E-05 *(4E-07, 3E-05)*	3E-05 *(9E-06, 4E-05)*	8E-05 *	-
BARIUM	2E-09 *(6E-10, 1E-08)*	2E-07 *(6E-08, 7E-07)*	8E-07 *(1E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	-
BERYLLIUM	3E-09 *(1E-09, 8E-09)*	6E-08 *(9E-09, 1E-07)*	1E-07 *(3E-08, 4E-07)*	1E-06 *	-
CADMIUM	4E-07 *(3E-07, 2E-06)*	6E-05 *(2E-06, 1E-04)*	2E-04 *(4E-05, 5E-04)*	8E-04 *	-
CHROMIUM (III)	3E-11 *(1E-11, 4E-10)*	9E-09 *(1E-09, 2E-08)*	4E-08 *(7E-09, 6E-08)*	1E-07 *(8E-08, 1E-07)*	-
CHROMIUM (VI)	2E-09 *(1E-09, 3E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *(9E-09, 3E-08)*	6E-08 *	-
COBALT	2E-09 *(2E-10, 3E-09)*	1E-08 *(4E-09, 7E-08)*	7E-08 *(6E-09, 8E-08)*	8E-08 *	-
MANGANESE	6E-09 *(8E-10, 8E-09)*	6E-08 *(1E-08, 1E-07)*	1E-07 *(2E-08, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	2E-08 *(7E-09, 1E-06)*	1E-05 *(2E-06, 3E-05)*	3E-05 *(7E-06, 8E-05)*	1E-04 *	-
MERCURY (METHYL)[a]	min: 7E-08	median: 1E-04	max: 2E-03		
NICKEL	2E-09 *(2E-09, 5E-09)*	3E-07 *(3E-08, 4E-07)*	4E-07 *(8E-08, 5E-07)*	6E-07 *(3E-07, 7E-07)*	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	3E-06 *(4E-07, 6E-06)*	* *	* *	-
SILVER	1E-09 *(2E-11, 2E-09)*	2E-08 *	* *	* *	-
THALLIUM	5E-07 *(9E-08, 7E-07)*	3E-05 *(7E-07, 8E-05)*	2E-04 *(1E-05, 5E-04)*	6E-04 *(6E-04, 7E-04)*	-
Hazard Index	8E-06 *(2E-06, 3E-04)*	1E-03 *(3E-04, 2E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(3E-07, 7E-06)*	6E-05 *(2E-05, 1E-04)*	2E-04 *(4E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	-
CHLORINE (CL2)	1E-04 *(5E-05, 2E-04)*	1E-03 *(5E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(6E-06, 1E-04)*	9E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *	-
MANGANESE	7E-05 *(5E-05, 1E-04)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(6E-04, 2E-03)*	3E-03 *(2E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	2E-04 *(5E-06, 9E-04)*	8E-04 *(2E-05, 2E-03)*	4E-03 *	-
Hazard Index	4E-04 *(3E-04, 6E-04)*	3E-03 *(1E-03, 9E-03)*	9E-03 *(2E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 2E-05)*	3E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	4E-04 *(1E-04, 5E-04)*	5E-04 *(2E-04, 6E-04)*	8E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D20. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(9E-10, 1E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *(9E-09, 2E-08)*	2E-08 *	-
ARSENIC	3E-12 *	2E-09 *(2E-11, 3E-09)*	3E-09 *(4E-10, 3E-09)*	3E-09 *	-
Additive Risk	1E-09 *(9E-10, 3E-09)*	2E-08 *(5E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(8E-12, 5E-11)*	2E-09 *(8E-11, 5E-09)*	5E-09 *(3E-10, 1E-08)*	2E-08 *	-
ARSENIC	2E-11 *(1E-11, 2E-10)*	2E-08 *(5E-10, 7E-08)*	8E-08 *(6E-09, 2E-07)*	3E-07 *	-
BERYLLIUM	4E-12 *(2E-12, 7E-12)*	6E-11 *(1E-11, 2E-10)*	2E-10 *(2E-11, 5E-10)*	1E-09 *	-
CADMIUM	3E-11 *(1E-11, 8E-11)*	4E-09 *(1E-10, 2E-08)*	3E-08 *(3E-09, 5E-08)*	2E-07 *(7E-08, 3E-07)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 3E-10)*	2E-09 *(8E-10, 5E-09)*	5E-09 *(1E-09, 1E-08)*	2E-08 *	-
NICKEL	2E-11 *(6E-12, 6E-11)*	7E-10 *(2E-10, 2E-09)*	3E-09 *(6E-10, 5E-09)*	1E-08 *(6E-09, 1E-08)*	-
Additive Risk	3E-10 *(2E-10, 2E-09)*	6E-08 *(5E-09, 1E-07)*	1E-07 *(2E-08, 3E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(2E-09, 2E-07)*	1E-05 *	* *	* *	-
ARSENIC	5E-08 *(5E-09, 9E-08)*	2E-05 *(2E-07, 3E-05)*	3E-05 *(5E-06, 4E-05)*	4E-05 *	-
BARIUM	8E-10 *(3E-10, 5E-09)*	1E-07 *(2E-08, 3E-07)*	3E-07 *(7E-08, 5E-07)*	9E-07 *(6E-07, 1E-06)*	-
BERYLLIUM	3E-09 *(1E-09, 5E-09)*	3E-08 *(7E-09, 7E-08)*	7E-08 *(2E-08, 2E-07)*	6E-07 *	-
CADMIUM	4E-07 *(3E-07, 2E-06)*	6E-05 *(2E-06, 1E-04)*	2E-04 *(4E-05, 5E-04)*	8E-04 *	-
CHROMIUM (III)	1E-11 *(7E-12, 1E-10)*	5E-09 *(5E-10, 9E-09)*	1E-08 *(2E-09, 2E-08)*	4E-08 *(3E-08, 4E-08)*	-
CHROMIUM (VI)	3E-09 *(9E-10, 4E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *(7E-09, 2E-08)*	2E-08 *	-
COBALT	2E-09 *(1E-10, 3E-09)*	8E-09 *(3E-09, 5E-08)*	5E-08 *(4E-09, 7E-08)*	9E-08 *	-
MANGANESE	6E-09 *(3E-10, 8E-09)*	3E-08 *(9E-09, 1E-07)*	1E-07 *(1E-08, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	9E-09 *(3E-09, 7E-07)*	7E-06 *(1E-06, 1E-05)*	1E-05 *(3E-06, 3E-05)*	6E-05 *	-
MERCURY (METHYL)[a]	min: 3E-08	median: 1E-04	max: 2E-03		
NICKEL	2E-09 *(2E-09, 3E-09)*	2E-07 *	* *	* *	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	4E-06 *(4E-07, 7E-06)*	* *	* *	-
SILVER	1E-09 *(1E-11, 2E-09)*	2E-08 *	* *	* *	-
THALLIUM	4E-07 *(8E-08, 8E-07)*	2E-05 *(8E-07, 9E-05)*	1E-04 *(9E-06, 4E-04)*	* *	-
Hazard Index	1E-05 *(2E-06, 4E-04)*	1E-03 *(4E-04, 2E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(3E-07, 7E-06)*	6E-05 *(2E-05, 1E-04)*	2E-04 *(4E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	-
CHLORINE (CL2)	1E-04 *(5E-05, 2E-04)*	1E-03 *(5E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(6E-06, 1E-04)*	9E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *	-
MANGANESE	7E-05 *(5E-05, 1E-04)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(6E-04, 2E-03)*	3E-03 *(2E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	2E-06 *(8E-07, 3E-06)*	2E-04 *(5E-06, 9E-04)*	8E-04 *(2E-05, 2E-03)*	4E-03 *	-
Hazard Index	4E-04 *(3E-04, 6E-04)*	3E-03 *(1E-03, 9E-03)*	9E-03 *(2E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	3E-05 *(2E-05, 3E-05)*	4E-04 *(6E-05, 4E-04)*	4E-04 *(2E-04, 4E-04)*	5E-04 *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	4E-04 *(1E-04, 5E-04)*	5E-04 *(2E-04, 5E-04)*	5E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D21. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08 *(9E-09, 2E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *(3E-07, 5E-07)*	* *	-
ARSENIC	4E-10 *(5E-11, 9E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(5E-09, 1E-08)*	3E-08 *	-
Additive Risk	2E-08 *(1E-08, 3E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *(3E-07, 5E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	7E-10 *(2E-10, 2E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	3E-08 *	-
ARSENIC	1E-09 *(5E-10, 6E-09)*	8E-08 *(3E-08, 1E-07)*	1E-07 *(6E-08, 3E-07)*	3E-07 *	-
BERYLLIUM	2E-11 *(1E-11, 3E-11)*	4E-10 *(1E-10, 1E-09)*	1E-09 *(2E-10, 3E-09)*	6E-09 *(1E-09, 7E-09)*	-
CADMIUM	5E-10 *(2E-10, 8E-10)*	2E-08 *(1E-08, 2E-08)*	5E-08 *(4E-08, 6E-08)*	3E-07 *(3E-07, 3E-07)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	5E-09 *(2E-09, 8E-09)*	9E-09 *(3E-09, 2E-08)*	2E-08 *	-
NICKEL	6E-11 *(4E-11, 9E-11)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(4E-09, 7E-09)*	2E-08 *(2E-08, 2E-08)*	-
Additive Risk	1E-08 *(5E-09, 2E-08)*	1E-07 *(7E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-06 *(8E-07, 1E-05)*	* *	* *	* *	-
ARSENIC	7E-06 *(1E-06, 2E-05)*	1E-04 *(9E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	6E-04 *	-
BARIUM	2E-07 *(9E-08, 4E-07)*	5E-06 *(3E-06, 7E-06)*	9E-06 *(7E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	-
BERYLLIUM	8E-08 *(4E-08, 1E-07)*	2E-06 *(8E-07, 7E-06)*	8E-06 *(1E-06, 1E-05)*	3E-05 *(9E-06, 5E-05)*	-
CADMIUM	1E-05 *(1E-06, 7E-05)*	4E-04 *(3E-04, 5E-04)*	1E-03 *(1E-03, 1E-03)*	3E-03 *(3E-03, 3E-03)*	-
CHROMIUM (III)	1E-08 *(9E-09, 1E-08)*	2E-07 *(1E-07, 3E-07)*	5E-07 *(4E-07, 5E-07)*	8E-07 *(7E-07, 8E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 3E-08)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(9E-08, 3E-07)*	6E-07 *	-
COBALT	5E-09 *(4E-09, 8E-09)*	7E-08 *(6E-08, 8E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
MANGANESE	4E-08 *(3E-08, 8E-08)*	6E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-05 *(1E-05, 4E-05)*	3E-04 *(1E-04, 5E-04)*	7E-04 *(2E-04, 9E-04)*	* *	-
MERCURY (METHYL)[a]	min: 9E-08	median: 3E-04	max: 7E-03		
NICKEL	5E-08 *(1E-08, 1E-07)*	1E-06 *(4E-07, 1E-06)*	1E-06 *(9E-07, 2E-06)*	4E-06 *(4E-06, 4E-06)*	-
SELENIUM	1E-06 *(5E-07, 3E-06)*	6E-05 *	1E-04 *	* *	-
SILVER	9E-09 *(2E-09, 1E-08)*	1E-06 *	2E-06 *	* *	-
THALLIUM	5E-06 *(2E-06, 3E-05)*	4E-04 *(2E-04, 5E-04)*	9E-04 *(8E-04, 1E-03)*	3E-03 *(3E-03, 3E-03)*	-
Hazard Index	2E-03 *(8E-04, 3E-03)*	5E-03 *(4E-03, 8E-03)*	8E-03 *(4E-03, 8E-03)*	8E-03 *(6E-03, 9E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(6E-06, 2E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	2E-02 *(6E-03, 3E-02)*	3E-02 *(1E-02, 7E-02)*	1E-01 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(4E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 4E-03)*	5E-03 *(4E-03, 6E-03)*	-
MANGANESE	3E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(2E-03, 2E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(4E-06, 4E-05)*	1E-03 *(4E-04, 2E-03)*	3E-03 *(1E-03, 4E-03)*	6E-03 *	-
Hazard Index	1E-03 *(8E-04, 3E-03)*	2E-02 *(9E-03, 3E-02)*	3E-02 *(2E-02, 7E-02)*	1E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	8E-04 *(5E-04, 1E-03)*	1E-02 *(6E-03, 2E-02)*	2E-02 *(1E-02, 2E-02)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D22. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08 *(8E-09, 2E-08)*	4E-07 *	* *	* *	-
ARSENIC	2E-10 *(3E-11, 6E-10)*	3E-09 *(2E-09, 4E-09)*	5E-09 *(3E-09, 6E-09)*	9E-09 *	-
Additive Risk	2E-08 *(1E-08, 2E-08)*	4E-07 *(6E-08, 5E-07)*	5E-07 *(2E-07, 5E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	8E-10 *(2E-10, 2E-09)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
ARSENIC	2E-09 *(5E-10, 7E-09)*	1E-07 *(3E-08, 1E-07)*	2E-07 *(7E-08, 3E-07)*	4E-07 *	-
BERYLLIUM	2E-11 *(1E-11, 3E-11)*	4E-10 *(1E-10, 1E-09)*	2E-09 *(2E-10, 3E-09)*	7E-09 *(2E-09, 8E-09)*	-
CADMIUM	6E-10 *(3E-10, 9E-10)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(5E-08, 7E-08)*	3E-07 *(3E-07, 4E-07)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 6E-10)*	6E-09 *(2E-09, 9E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *	-
NICKEL	7E-11 *(5E-11, 1E-10)*	2E-09 *(2E-09, 3E-09)*	7E-09 *(5E-09, 8E-09)*	2E-08 *(2E-08, 2E-08)*	-
Additive Risk	1E-08 *(6E-09, 2E-08)*	1E-07 *(8E-08, 2E-07)*	3E-07 *(2E-07, 4E-07)*	5E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-07 *(4E-07, 7E-06)*	* *	* *	* *	-
ARSENIC	3E-06 *(5E-07, 1E-05)*	6E-05 *(4E-05, 7E-05)*	8E-05 *(6E-05, 1E-04)*	* *	-
BARIUM	7E-08 *(3E-08, 1E-07)*	1E-06 *(9E-07, 1E-06)*	2E-06 *(2E-06, 3E-06)*	4E-06 *(4E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 5E-08)*	5E-07 *(2E-07, 2E-06)*	2E-06 *(4E-07, 5E-06)*	* *	-
CADMIUM	5E-06 *(9E-07, 4E-05)*	3E-04 *(2E-04, 3E-04)*	* *	* *	-
CHROMIUM (III)	3E-09 *(2E-09, 4E-09)*	7E-08 *(4E-08, 9E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(4E-09, 1E-08)*	4E-08 *(2E-08, 8E-08)*	8E-08 *(3E-08, 9E-08)*	1E-07 *	-
COBALT	1E-09 *(9E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(6E-08, 6E-08)*	-
MANGANESE	2E-08 *(1E-08, 2E-08)*	3E-07 *(9E-08, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	5E-06 *(3E-06, 9E-06)*	8E-05 *(4E-05, 1E-04)*	1E-04 *(6E-05, 2E-04)*	3E-04 *	-
MERCURY (METHYL)[a]	min: 2E-08	median: 2E-04	max: 5E-03		
NICKEL	1E-08 *(7E-09, 6E-08)*	6E-07 *(2E-07, 7E-07)*	7E-07 *(4E-07, 7E-07)*	1E-06 *(1E-06, 1E-06)*	-
SELENIUM	7E-07 *(4E-07, 2E-06)*	* *	* *	* *	-
SILVER	5E-09 *(8E-10, 7E-09)*	6E-07 *	1E-06 *	* *	-
THALLIUM	3E-06 *(9E-07, 1E-05)*	3E-04 *(1E-04, 3E-04)*	6E-04 *(6E-04, 7E-04)*	1E-03 *(9E-04, 1E-03)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	4E-03 *(3E-03, 5E-03)*	5E-03 *(3E-03, 5E-03)*	6E-03 *(4E-03, 6E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(6E-06, 2E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	2E-02 *(6E-03, 3E-02)*	3E-02 *(1E-02, 7E-02)*	1E-01 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(4E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 4E-03)*	5E-03 *(4E-03, 6E-03)*	-
MANGANESE	3E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(2E-03, 2E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(4E-06, 4E-05)*	1E-03 *(4E-04, 2E-03)*	3E-03 *(1E-03, 4E-03)*	6E-03 *	-
Hazard Index	1E-03 *(8E-04, 3E-03)*	2E-02 *(9E-03, 3E-02)*	3E-02 *(2E-02, 7E-02)*	1E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-04 *(3E-04, 8E-04)*	1E-02 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D23. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-09 *(5E-09, 9E-09)*	2E-07 *	* *	* *	-
ARSENIC	1E-10 *(1E-11, 4E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	5E-09 *	-
Additive Risk	9E-09 *(6E-09, 1E-08)*	2E-07 *(3E-08, 3E-07)*	3E-07 *(1E-07, 3E-07)*	3E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	5E-10 *(1E-10, 1E-09)*	8E-09 *(5E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	2E-08 *	-
ARSENIC	1E-09 *(4E-10, 5E-09)*	6E-08 *(2E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	2E-07 *	-
BERYLLIUM	1E-11 *(7E-12, 2E-11)*	3E-10 *(7E-11, 9E-10)*	1E-09 *(1E-10, 2E-09)*	5E-09 *(1E-09, 5E-09)*	-
CADMIUM	4E-10 *(2E-10, 6E-10)*	1E-08 *(9E-09, 2E-08)*	4E-08 *(3E-08, 4E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	4E-09 *(1E-09, 6E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *	-
NICKEL	5E-11 *(3E-11, 7E-11)*	1E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(1E-08, 1E-08)*	-
Additive Risk	7E-09 *(4E-09, 1E-08)*	9E-08 *(5E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(2E-07, 4E-06)*	* *	* *	* *	-
ARSENIC	2E-06 *(3E-07, 6E-06)*	3E-05 *(2E-05, 4E-05)*	4E-05 *(3E-05, 6E-05)*	9E-05 *	-
BARIUM	3E-08 *(1E-08, 7E-08)*	7E-07 *(5E-07, 9E-07)*	1E-06 *(9E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	-
BERYLLIUM	1E-08 *(9E-09, 2E-08)*	3E-07 *(1E-07, 1E-06)*	1E-06 *(2E-07, 2E-06)*	5E-06 *(1E-06, 8E-06)*	-
CADMIUM	3E-06 *(5E-07, 3E-05)*	1E-04 *(8E-05, 1E-04)*	5E-04 *(4E-04, 5E-04)*	9E-04 *	-
CHROMIUM (III)	1E-09 *(1E-09, 2E-09)*	3E-08 *(2E-08, 4E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *(1E-07, 1E-07)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	2E-08 *(1E-08, 5E-08)*	5E-08 *(2E-08, 6E-08)*	8E-08 *	-
COBALT	4E-09 *(3E-09, 5E-09)*	7E-08 *	1E-07 *	* *	-
MANGANESE	1E-08 *(8E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(2E-06, 5E-06)*	4E-05 *(2E-05, 8E-05)*	9E-05 *(3E-05, 1E-04)*	2E-04 *	-
MERCURY (METHYL)[a]	min: 1E-08	median: 1E-04	max: 3E-03		
NICKEL	8E-09 *(4E-09, 4E-08)*	4E-07 *(1E-07, 4E-07)*	4E-07 *(2E-07, 5E-07)*	6E-07 *(6E-07, 7E-07)*	-
SELENIUM	4E-07 *(1E-07, 1E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	2E-09 *(5E-10, 4E-09)*	3E-07 *	6E-07 *	* *	-
THALLIUM	1E-06 *(5E-07, 8E-06)*	2E-04 *(7E-05, 2E-04)*	5E-04 *(4E-04, 5E-04)*	7E-04 *(7E-04, 7E-04)*	-
Hazard Index	9E-04 *(3E-04, 1E-03)*	2E-03 *(1E-03, 3E-03)*	2E-03 *(1E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(6E-06, 2E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	2E-02 *(6E-03, 3E-02)*	3E-02 *(1E-02, 7E-02)*	1E-01 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(4E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 4E-03)*	5E-03 *(4E-03, 6E-03)*	-
MANGANESE	3E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(2E-03, 2E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(4E-06, 4E-05)*	1E-03 *(4E-04, 2E-03)*	3E-03 *(1E-03, 4E-03)*	6E-03 *	-
Hazard Index	1E-03 *(8E-04, 3E-03)*	2E-02 *(9E-03, 3E-02)*	3E-02 *(2E-02, 7E-02)*	1E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04 *(1E-04, 3E-04)*	5E-03 *(8E-04, 6E-03)*	6E-03 *(4E-03, 7E-03)*	7E-03 *	-
TCDD-TEQ	3E-04 *(2E-04, 4E-04)*	7E-03 *(1E-03, 9E-03)*	9E-03 *(5E-03, 9E-03)*	9E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D24. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08 *(6E-09, 2E-08)*	3E-07 *	* *	* *	-
ARSENIC	1E-10 *(1E-11, 5E-10)*	3E-09 *(2E-09, 3E-09)*	3E-09 *(2E-09, 3E-09)*	* *	-
Additive Risk	1E-08 *(7E-09, 2E-08)*	3E-07 *(3E-08, 4E-07)*	4E-07 *(2E-07, 4E-07)*	4E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	6E-10 *(1E-10, 1E-09)*	9E-09 *(6E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	3E-08 *	-
ARSENIC	1E-09 *(4E-10, 5E-09)*	7E-08 *(2E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	3E-07 *	-
BERYLLIUM	1E-11 *(8E-12, 2E-11)*	3E-10 *(9E-11, 1E-09)*	1E-09 *(2E-10, 2E-09)*	5E-09 *(1E-09, 6E-09)*	-
CADMIUM	4E-10 *(2E-10, 7E-10)*	1E-08 *(1E-08, 2E-08)*	4E-08 *(3E-08, 5E-08)*	3E-07 *(2E-07, 3E-07)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	4E-09 *(2E-09, 6E-09)*	8E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-11 *(4E-11, 8E-11)*	1E-09 *(1E-09, 2E-09)*	5E-09 *(4E-09, 6E-09)*	1E-08 *(1E-08, 1E-08)*	-
Additive Risk	9E-09 *(4E-09, 1E-08)*	1E-07 *(6E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(2E-07, 5E-06)*	* *	* *	* *	-
ARSENIC	1E-06 *(2E-07, 6E-06)*	3E-05 *(2E-05, 4E-05)*	4E-05 *(3E-05, 4E-05)*	* *	-
BARIUM	1E-08 *(9E-09, 3E-08)*	3E-07 *(2E-07, 4E-07)*	5E-07 *(4E-07, 6E-07)*	9E-07 *(9E-07, 1E-06)*	-
BERYLLIUM	9E-09 *(5E-09, 1E-08)*	1E-07 *(5E-08, 8E-07)*	8E-07 *(9E-08, 1E-06)*	3E-06 *	-
CADMIUM	2E-06 *(4E-07, 2E-05)*	1E-04 *(9E-05, 2E-04)*	5E-04 *(4E-04, 5E-04)*	9E-04 *	-
CHROMIUM (III)	7E-10 *(5E-10, 9E-10)*	1E-08 *(9E-09, 2E-08)*	3E-08 *(2E-08, 3E-08)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 8E-09)*	2E-08 *	5E-08 *	* *	-
COBALT	3E-09 *(2E-09, 5E-09)*	6E-08 *	1E-07 *	* *	-
MANGANESE	9E-09 *(8E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	1E-06 *(8E-07, 2E-06)*	1E-05 *(8E-06, 3E-05)*	4E-05 *(1E-05, 6E-05)*	* *	-
MERCURY (METHYL)[a]	min: 5E-09	median: 1E-04	max: 3E-03		
NICKEL	7E-09 *(3E-09, 4E-08)*	* *	* *	* *	-
SELENIUM	4E-07 *(2E-07, 2E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	2E-09 *(5E-10, 4E-09)*	4E-07 *	7E-07 *	* *	-
THALLIUM	1E-06 *(5E-07, 7E-06)*	2E-04 *(8E-05, 2E-04)*	4E-04 *(3E-04, 4E-04)*	* *	-
Hazard Index	9E-04 *(4E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(6E-06, 2E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	2E-02 *(6E-03, 3E-02)*	3E-02 *(1E-02, 7E-02)*	1E-01 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(4E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 4E-03)*	5E-03 *(4E-03, 6E-03)*	-
MANGANESE	3E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(2E-03, 2E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(4E-06, 4E-05)*	1E-03 *(4E-04, 2E-03)*	3E-03 *(1E-03, 4E-03)*	6E-03 *	-
Hazard Index	1E-03 *(8E-04, 3E-03)*	2E-02 *(9E-03, 3E-02)*	3E-02 *(2E-02, 7E-02)*	1E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	3E-04 *(1E-04, 4E-04)*	7E-03 *(7E-04, 9E-03)*	9E-03 *(4E-03, 9E-03)*	* *	-
TCDD-TEQ	4E-04 *(1E-04, 4E-04)*	8E-03 *(7E-04, 1E-02)*	1E-02 *(5E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D25. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-09 *(2E-09, 3E-08)*	9E-08 *	* *	* *	-
ARSENIC	2E-10 *(1E-10, 7E-10)*	9E-08 *(6E-09, 1E-07)*	1E-07 *(7E-08, 2E-07)*	2E-07 *	-
Additive Risk	1E-08 *(6E-09, 4E-08)*	1E-07 *(8E-08, 5E-07)*	4E-07 *(1E-07, 7E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(6E-11, 2E-10)*	2E-09 *(7E-10, 4E-09)*	5E-09 *(1E-09, 1E-08)*	1E-08 *	-
ARSENIC	2E-09 *(5E-10, 5E-09)*	1E-07 *(2E-08, 4E-07)*	4E-07 *(6E-08, 1E-06)*	2E-06 *	-
BERYLLIUM	4E-11 *(1E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 5E-09)*	9E-09 *	-
CADMIUM	3E-09 *(2E-09, 7E-09)*	7E-08 *(3E-08, 2E-07)*	2E-07 *(5E-08, 8E-07)*	1E-06 *	-
CHROMIUM (VI)	7E-09 *(5E-09, 1E-08)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(1E-07, 5E-07)*	8E-07 *	-
NICKEL	3E-10 *(2E-10, 5E-10)*	3E-09 *(2E-09, 5E-09)*	6E-09 *(3E-09, 9E-09)*	1E-08 *	-
Additive Risk	2E-08 *(2E-08, 4E-08)*	4E-07 *(2E-07, 9E-07)*	9E-07 *(3E-07, 2E-06)*	4E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *(7E-07, 1E-05)*	1E-02 *	* *	* *	-
ARSENIC	5E-06 *(3E-06, 1E-05)*	2E-03 *	* *	* *	-
BARIUM	2E-07 *(1E-07, 3E-07)*	4E-06 *(1E-06, 9E-06)*	1E-05 *(3E-06, 3E-05)*	6E-05 *(3E-05, 8E-05)*	-
BERYLLIUM	3E-07 *(5E-08, 9E-07)*	2E-05 *(5E-06, 5E-05)*	5E-05 *(1E-05, 6E-05)*	8E-05 *	-
CADMIUM	1E-04 *(2E-05, 3E-04)*	4E-03 *(9E-04, 9E-03)*	7E-03 *(3E-03, 2E-02)*	2E-02 *	-
CHROMIUM (III)	3E-08 *(2E-08, 6E-08)*	7E-07 *(4E-07, 1E-06)*	1E-06 *(7E-07, 2E-06)*	5E-06 *(2E-06, 7E-06)*	-
CHROMIUM (VI)	3E-07 *(9E-08, 1E-06)*	4E-05 *	* *	* *	-
COBALT	6E-09 *(4E-09, 8E-09)*	6E-08 *(4E-08, 9E-08)*	9E-08 *(7E-08, 1E-07)*	2E-07 *	-
MANGANESE	6E-08 *(3E-08, 9E-08)*	3E-06 *(8E-07, 3E-06)*	3E-06 *	* *	-
MERCURY (DIVALENT)	4E-06 *(2E-06, 8E-06)*	1E-04 *(4E-05, 7E-04)*	7E-04 *(9E-05, 2E-03)*	6E-03 *(2E-04, 7E-03)*	-
MERCURY (METHYL)[a]	min: 5E-09	median: 1E-05	max: 4E-03		
NICKEL	2E-07 *(9E-08, 7E-07)*	2E-05 *	* *	* *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	1E-04 *	* *	* *	-
SILVER	2E-09 *(6E-10, 9E-09)*	4E-06 *	* *	* *	-
THALLIUM	2E-06 *(1E-06, 4E-06)*	1E-04 *(1E-05, 2E-03)*	1E-03 *(3E-05, 8E-03)*	* *	-
Hazard Index	6E-04 *(2E-04, 1E-03)*	3E-02 *(5E-03, 1E-01)*	1E-01 *(2E-02, 1E-01)*	1E-01 *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(4E-06, 1E-05)*	2E-04 *(6E-05, 3E-04)*	4E-04 *(1E-04, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	1E-03 *(9E-04, 2E-03)*	2E-02 *(8E-03, 3E-02)*	3E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	2E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 6E-03)*	8E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-05 *(5E-06, 3E-05)*	2E-04 *(7E-05, 4E-04)*	5E-04 *(1E-04, 9E-04)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 4E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-04 *(1E-04, 1E-03)*	5E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D26. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-09 *(2E-09, 3E-08)*	8E-08 *	* *	* *	-
ARSENIC	1E-10 *(8E-11, 4E-10)*	7E-08 *	* *	* *	-
Additive Risk	8E-09 *(4E-09, 4E-08)*	1E-07 *(6E-08, 4E-07)*	4E-07 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 2E-10)*	2E-09 *(8E-10, 5E-09)*	5E-09 *(1E-09, 1E-08)*	2E-08 *	-
ARSENIC	2E-09 *(6E-10, 6E-09)*	1E-07 *(3E-08, 5E-07)*	5E-07 *(7E-08, 1E-06)*	2E-06 *	-
BERYLLIUM	5E-11 *(2E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	4E-09 *(2E-09, 6E-09)*	1E-08 *	-
CADMIUM	4E-09 *(2E-09, 8E-09)*	8E-08 *(3E-08, 3E-07)*	3E-07 *(5E-08, 9E-07)*	2E-06 *	-
CHROMIUM (VI)	8E-09 *(5E-09, 1E-08)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(1E-07, 5E-07)*	9E-07 *	-
NICKEL	4E-10 *(3E-10, 6E-10)*	4E-09 *(2E-09, 6E-09)*	7E-09 *(4E-09, 1E-08)*	1E-08 *	-
Additive Risk	3E-08 *(2E-08, 5E-08)*	4E-07 *(2E-07, 1E-06)*	1E-06 *(3E-07, 3E-06)*	5E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-07 *(2E-07, 5E-06)*	7E-03 *	* *	* *	-
ARSENIC	2E-06 *(1E-06, 8E-06)*	9E-04 *(5E-05, 2E-03)*	2E-03 *(7E-04, 3E-03)*	3E-03 *	-
BARIUM	9E-08 *(4E-08, 1E-07)*	9E-07 *(4E-07, 2E-06)*	3E-06 *(8E-07, 7E-06)*	1E-05 *(7E-06, 2E-05)*	-
BERYLLIUM	8E-08 *(1E-08, 5E-07)*	6E-06 *(1E-06, 2E-05)*	2E-05 *(4E-06, 3E-05)*	3E-05 *	-
CADMIUM	7E-05 *(9E-06, 2E-04)*	3E-03 *	* *	* *	-
CHROMIUM (III)	9E-09 *(5E-09, 1E-08)*	2E-07 *(9E-08, 3E-07)*	4E-07 *(2E-07, 5E-07)*	1E-06 *(5E-07, 2E-06)*	-
CHROMIUM (VI)	9E-08 *(3E-08, 6E-07)*	2E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	-
MANGANESE	2E-08 *(9E-09, 4E-08)*	1E-06 *(2E-07, 2E-06)*	2E-06 *	* *	-
MERCURY (DIVALENT)	9E-07 *(6E-07, 2E-06)*	4E-05 *(9E-06, 2E-04)*	2E-04 *(2E-05, 7E-04)*	* *	-
MERCURY (METHYL)[a]	min: 3E-09	median: 7E-06	max: 3E-03		
NICKEL	7E-08 *(2E-08, 3E-07)*	1E-05 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	7E-05 *	* *	* *	-
SILVER	8E-10 *(2E-10, 4E-09)*	2E-06 *	* *	* *	-
THALLIUM	1E-06 *(6E-07, 2E-06)*	8E-05 *	* *	* *	-
Hazard Index	4E-04 *(1E-04, 6E-04)*	2E-02 *(3E-03, 7E-02)*	7E-02 *(1E-02, 7E-02)*	7E-02 *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(4E-06, 1E-05)*	2E-04 *(6E-05, 3E-04)*	4E-04 *(1E-04, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	1E-03 *(9E-04, 2E-03)*	2E-02 *(8E-03, 3E-02)*	3E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	2E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 6E-03)*	8E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-05 *(5E-06, 3E-05)*	2E-04 *(7E-05, 4E-04)*	5E-04 *(1E-04, 9E-04)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 4E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(7E-05, 9E-04)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D27. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(9E-10, 1E-08)*	5E-08 *	* *	* *	-
ARSENIC	8E-11 *(4E-11, 2E-10)*	4E-08 *	* *	* *	-
Additive Risk	4E-09 *(2E-09, 2E-08)*	8E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(4E-11, 1E-10)*	1E-09 *(5E-10, 3E-09)*	3E-09 *(9E-10, 7E-09)*	1E-08 *	-
ARSENIC	1E-09 *(4E-10, 4E-09)*	9E-08 *(2E-08, 3E-07)*	3E-07 *(5E-08, 9E-07)*	1E-06 *	-
BERYLLIUM	3E-11 *(1E-11, 9E-11)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(1E-09, 4E-09)*	6E-09 *	-
CADMIUM	2E-09 *(1E-09, 5E-09)*	5E-08 *(2E-08, 2E-07)*	2E-07 *(3E-08, 6E-07)*	1E-06 *	-
CHROMIUM (VI)	5E-09 *(3E-09, 8E-09)*	9E-08 *(3E-08, 1E-07)*	2E-07 *(7E-08, 3E-07)*	6E-07 *	-
NICKEL	2E-10 *(2E-10, 4E-10)*	2E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 7E-09)*	9E-09 *	-
Additive Risk	2E-08 *(1E-08, 3E-08)*	3E-07 *(1E-07, 6E-07)*	7E-07 *(2E-07, 2E-06)*	3E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(1E-07, 3E-06)*	5E-03 *	* *	* *	-
ARSENIC	1E-06 *(8E-07, 4E-06)*	8E-04 *	* *	* *	-
BARIUM	6E-08 *(2E-08, 8E-08)*	5E-07 *(2E-07, 1E-06)*	2E-06 *(4E-07, 4E-06)*	8E-06 *(3E-06, 1E-05)*	-
BERYLLIUM	5E-08 *(8E-09, 2E-07)*	3E-06 *	* *	* *	-
CADMIUM	4E-05 *(5E-06, 1E-04)*	2E-03 *	* *	* *	-
CHROMIUM (III)	5E-09 *(2E-09, 9E-09)*	9E-08 *(6E-08, 1E-07)*	2E-07 *(9E-08, 3E-07)*	* *	-
CHROMIUM (VI)	5E-08 *(1E-08, 3E-07)*	1E-05 *	* *	* *	-
COBALT	2E-09 *(1E-09, 8E-09)*	4E-07 *(3E-08, 5E-07)*	5E-07 *(2E-07, 6E-07)*	6E-07 *	-
MANGANESE	9E-09 *(5E-09, 2E-08)*	8E-07 *	* *	* *	-
MERCURY (DIVALENT)	6E-07 *(3E-07, 1E-06)*	2E-05 *(5E-06, 1E-04)*	9E-05 *(1E-05, 3E-04)*	8E-04 *	-
MERCURY (METHYL)[a]	min: 1E-09	median: 4E-06	max: 2E-03		
NICKEL	4E-08 *(1E-08, 1E-07)*	8E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 1E-06)*	4E-05 *	* *	* *	-
SILVER	4E-10 *(1E-10, 2E-09)*	1E-06 *	* *	* *	-
THALLIUM	8E-07 *(3E-07, 1E-06)*	4E-05 *	* *	* *	-
Hazard Index	2E-04 *(9E-05, 3E-04)*	1E-02 *(2E-03, 5E-02)*	5E-02 *(9E-03, 5E-02)*	5E-02 *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(4E-06, 1E-05)*	2E-04 *(6E-05, 3E-04)*	4E-04 *(1E-04, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	1E-03 *(9E-04, 2E-03)*	2E-02 *(8E-03, 3E-02)*	3E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	2E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 6E-03)*	8E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-05 *(5E-06, 3E-05)*	2E-04 *(7E-05, 4E-04)*	5E-04 *(1E-04, 9E-04)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 4E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-05 *(3E-05, 5E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	1E-04 *(4E-05, 8E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(1E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D28. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 3E-08)*	7E-08 *	* *	* *	-
ARSENIC	9E-11 *(5E-11, 2E-10)*	7E-08 *	* *	* *	-
Additive Risk	6E-09 *(3E-09, 4E-08)*	1E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	8E-11 *(5E-11, 1E-10)*	2E-09 *(6E-10, 4E-09)*	4E-09 *(1E-09, 8E-09)*	1E-08 *	-
ARSENIC	1E-09 *(4E-10, 4E-09)*	1E-07 *(2E-08, 3E-07)*	4E-07 *(5E-08, 1E-06)*	2E-06 *	-
BERYLLIUM	4E-11 *(1E-11, 1E-10)*	2E-09 *(9E-10, 2E-09)*	3E-09 *(1E-09, 5E-09)*	7E-09 *	-
CADMIUM	3E-09 *(1E-09, 6E-09)*	6E-08 *(2E-08, 2E-07)*	2E-07 *(4E-08, 7E-07)*	1E-06 *	-
CHROMIUM (VI)	6E-09 *(4E-09, 1E-08)*	1E-07 *(4E-08, 2E-07)*	2E-07 *(8E-08, 4E-07)*	7E-07 *	-
NICKEL	3E-10 *(2E-10, 5E-10)*	3E-09 *(1E-09, 5E-09)*	5E-09 *(3E-09, 8E-09)*	1E-08 *	-
Additive Risk	2E-08 *(1E-08, 3E-08)*	3E-07 *(1E-07, 7E-07)*	8E-07 *(2E-07, 2E-06)*	3E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(6E-08, 3E-06)*	6E-03 *	* *	* *	-
ARSENIC	1E-06 *(6E-07, 2E-06)*	9E-04 *	* *	* *	-
BARIUM	2E-08 *(1E-08, 7E-08)*	2E-07 *(1E-07, 6E-07)*	7E-07 *(2E-07, 1E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(6E-09, 1E-07)*	1E-06 *	* *	* *	-
CADMIUM	3E-05 *(5E-06, 1E-04)*	1E-03 *	* *	* *	-
CHROMIUM (III)	2E-09 *(9E-10, 3E-09)*	4E-08 *(2E-08, 7E-08)*	9E-08 *(4E-08, 1E-07)*	2E-07 *(1E-07, 4E-07)*	-
CHROMIUM (VI)	3E-08 *(9E-09, 1E-07)*	2E-05 *	* *	* *	-
COBALT	1E-09 *(9E-10, 3E-09)*	4E-07 *	* *	* *	-
MANGANESE	5E-09 *(3E-09, 1E-08)*	8E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-07 *(1E-07, 4E-07)*	8E-06 *(2E-06, 4E-05)*	4E-05 *(5E-06, 1E-04)*	3E-04 *(1E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 6E-10	median: 3E-06	max: 2E-03		
NICKEL	3E-08 *(9E-09, 1E-07)*	9E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 1E-06)*	5E-05 *	* *	* *	-
SILVER	2E-10 *(5E-11, 2E-09)*	1E-06 *	* *	* *	-
THALLIUM	9E-07 *(3E-07, 1E-06)*	3E-05 *	* *	* *	-
Hazard Index	2E-04 *(7E-05, 4E-04)*	1E-02 *(2E-03, 6E-02)*	6E-02 *(9E-03, 6E-02)*	6E-02 *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(4E-06, 1E-05)*	2E-04 *(6E-05, 3E-04)*	4E-04 *(1E-04, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	1E-03 *(9E-04, 2E-03)*	2E-02 *(8E-03, 3E-02)*	3E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	2E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 6E-03)*	8E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	2E-05 *(5E-06, 3E-05)*	2E-04 *(7E-05, 4E-04)*	5E-04 *(1E-04, 9E-04)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 4E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-05 *(4E-05, 7E-04)*	2E-03 *	* *	* *	-
TCDD-TEQ	1E-04 *(4E-05, 8E-04)*	2E-03 *(9E-04, 1E-02)*	1E-02 *(2E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D29. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(2E-10, 1E-09)*	1E-08 *(3E-09, 5E-08)*	5E-08 *(6E-09, 8E-08)*	2E-07 *(6E-08, 3E-07)*	-
ARSENIC	9E-12 *(6E-12, 5E-11)*	7E-10 *(2E-10, 9E-10)*	9E-10 *(4E-10, 1E-09)*	1E-09 *	-
Additive Risk	1E-09 *(9E-10, 2E-09)*	2E-08 *(4E-09, 6E-08)*	6E-08 *(7E-09, 9E-08)*	3E-07 *(6E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(7E-12, 4E-11)*	9E-10 *(3E-10, 3E-09)*	4E-09 *(8E-10, 9E-09)*	2E-08 *	-
ARSENIC	4E-11 *(2E-11, 2E-10)*	5E-09 *(2E-09, 8E-09)*	9E-09 *(4E-09, 2E-08)*	2E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 5E-12)*	4E-11 *(2E-11, 7E-11)*	1E-10 *(5E-11, 2E-10)*	4E-10 *(2E-10, 7E-10)*	-
CADMIUM	4E-11 *(3E-11, 6E-11)*	4E-10 *(2E-10, 7E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 6E-10)*	5E-09 *(2E-09, 9E-09)*	1E-08 *(5E-09, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(8E-12, 3E-11)*	2E-10 *(1E-10, 3E-10)*	5E-10 *(3E-10, 7E-10)*	1E-09 *	-
Additive Risk	1E-09 *(5E-10, 2E-09)*	2E-08 *(9E-09, 2E-08)*	2E-08 *(2E-08, 3E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-08 *(1E-08, 1E-07)*	7E-06 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 1E-06)*	1E-05 *(7E-06, 2E-05)*	2E-05 *(9E-06, 3E-05)*	3E-05 *	-
BARIUM	2E-08 *(8E-09, 4E-08)*	5E-07 *(3E-07, 9E-07)*	1E-06 *(5E-07, 2E-06)*	4E-06 *(2E-06, 5E-06)*	-
BERYLLIUM	1E-08 *(9E-09, 2E-08)*	1E-07 *(9E-08, 2E-07)*	2E-07 *(1E-07, 4E-07)*	9E-07 *(5E-07, 1E-06)*	-
CADMIUM	1E-06 *(8E-07, 3E-06)*	9E-06 *(4E-06, 2E-05)*	2E-05 *(5E-06, 3E-05)*	6E-05 *	-
CHROMIUM (III)	1E-09 *(4E-10, 2E-09)*	3E-08 *(1E-08, 7E-08)*	8E-08 *(5E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 3E-08)*	1E-06 *	* *	* *	-
COBALT	9E-10 *(6E-10, 1E-09)*	1E-08 *(9E-09, 2E-08)*	3E-08 *(1E-08, 3E-08)*	7E-08 *	-
MANGANESE	2E-08 *(9E-09, 4E-08)*	3E-07 *	* *	* *	-
MERCURY (DIVALENT)	4E-07 *(1E-07, 1E-06)*	4E-05 *(9E-06, 9E-05)*	9E-05 *(3E-05, 2E-04)*	8E-04 *(9E-05, 9E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	9E-09 *(5E-09, 2E-08)*	5E-07 *	* *	* *	-
SELENIUM	3E-07 *(9E-08, 7E-07)*	6E-06 *	* *	* *	-
SILVER	4E-09 *(9E-10, 5E-08)*	5E-07 *(3E-07, 2E-06)*	2E-06 *	* *	-
THALLIUM	9E-07 *(4E-07, 1E-06)*	6E-05 *(9E-06, 8E-05)*	9E-05 *(3E-05, 1E-04)*	* *	-
Hazard Index	7E-05 *(2E-05, 1E-04)*	1E-03 *(3E-04, 1E-02)*	1E-02 *(7E-04, 1E-02)*	1E-02 *(1E-03, 1E-02)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(6E-07, 2E-06)*	2E-05 *(1E-05, 4E-05)*	5E-05 *(2E-05, 8E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 8E-04)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	7E-05 *(3E-05, 1E-04)*	2E-03 *(9E-04, 2E-03)*	3E-03 *(2E-03, 6E-03)*	9E-03 *(5E-03, 2E-02)*	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	5E-04 *(3E-04, 7E-04)*	7E-04 *(6E-04, 9E-04)*	2E-03 *	-
MERCURY (ELEMENTAL)	4E-07 *(2E-07, 8E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(6E-06, 8E-05)*	2E-04 *	-
Hazard Index	8E-04 *(5E-04, 1E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(1E-05, 6E-05)*	7E-04 *(1E-04, 2E-03)*	2E-03 *(3E-04, 4E-03)*	9E-03 *(3E-03, 1E-02)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D30. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(2E-10, 1E-09)*	9E-09 *(2E-09, 4E-08)*	5E-08 *(6E-09, 6E-08)*	* *	-
ARSENIC	7E-12 *(4E-12, 4E-11)*	4E-10 *	* *	* *	-
Additive Risk	1E-09 *(4E-10, 2E-09)*	9E-09 *(2E-09, 4E-08)*	5E-08 *(6E-09, 6E-08)*	3E-07 *(5E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(8E-12, 4E-11)*	1E-09 *(4E-10, 3E-09)*	5E-09 *(1E-09, 1E-08)*	2E-08 *	-
ARSENIC	5E-11 *(2E-11, 2E-10)*	6E-09 *(2E-09, 9E-09)*	1E-08 *(5E-09, 2E-08)*	2E-08 *	-
BERYLLIUM	4E-12 *(2E-12, 6E-12)*	5E-11 *(3E-11, 8E-11)*	1E-10 *(6E-11, 2E-10)*	4E-10 *(2E-10, 7E-10)*	-
CADMIUM	5E-11 *(3E-11, 7E-11)*	4E-10 *(3E-10, 8E-10)*	9E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 6E-10)*	5E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	5E-08 *	-
NICKEL	2E-11 *(9E-12, 3E-11)*	3E-10 *(1E-10, 4E-10)*	6E-10 *(3E-10, 8E-10)*	1E-09 *	-
Additive Risk	1E-09 *(6E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(5E-09, 9E-08)*	4E-06 *	* *	* *	-
ARSENIC	1E-07 *(8E-08, 7E-07)*	7E-06 *	* *	* *	-
BARIUM	6E-09 *(2E-09, 1E-08)*	2E-07 *(1E-07, 4E-07)*	4E-07 *(2E-07, 8E-07)*	1E-06 *(4E-07, 2E-06)*	-
BERYLLIUM	5E-09 *(3E-09, 9E-09)*	5E-08 *(3E-08, 7E-08)*	9E-08 *(6E-08, 1E-07)*	3E-07 *(1E-07, 4E-07)*	-
CADMIUM	7E-07 *(5E-07, 1E-06)*	4E-06 *(2E-06, 9E-06)*	8E-06 *(3E-06, 2E-05)*	4E-05 *	-
CHROMIUM (III)	3E-10 *(1E-10, 5E-10)*	9E-09 *(4E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *(3E-08, 9E-08)*	-
CHROMIUM (VI)	6E-09 *(4E-09, 1E-08)*	6E-07 *	* *	* *	-
COBALT	2E-10 *(1E-10, 3E-10)*	3E-09 *(2E-09, 5E-09)*	7E-09 *(4E-09, 9E-09)*	* *	-
MANGANESE	9E-09 *(3E-09, 1E-08)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(3E-08, 4E-07)*	9E-06 *(3E-06, 2E-05)*	2E-05 *(8E-06, 6E-05)*	2E-04 *(2E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	4E-09 *(3E-09, 8E-09)*	2E-07 *	* *	* *	-
SELENIUM	2E-07 *(6E-08, 5E-07)*	4E-06 *	* *	* *	-
SILVER	2E-09 *(3E-10, 3E-08)*	3E-07 *(1E-07, 1E-06)*	1E-06 *	* *	-
THALLIUM	5E-07 *(2E-07, 9E-07)*	4E-05 *(7E-06, 5E-05)*	5E-05 *(1E-05, 8E-05)*	9E-05 *	-
Hazard Index	4E-05 *(2E-05, 8E-05)*	8E-04 *(1E-04, 8E-03)*	8E-03 *(5E-04, 8E-03)*	8E-03 *(8E-04, 8E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(6E-07, 2E-06)*	2E-05 *(1E-05, 4E-05)*	5E-05 *(2E-05, 8E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 8E-04)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	7E-05 *(3E-05, 1E-04)*	2E-03 *(9E-04, 2E-03)*	3E-03 *(2E-03, 6E-03)*	9E-03 *(5E-03, 2E-02)*	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	5E-04 *(3E-04, 7E-04)*	7E-04 *(6E-04, 9E-04)*	2E-03 *	-
MERCURY (ELEMENTAL)	4E-07 *(2E-07, 8E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(6E-06, 8E-05)*	2E-04 *	-
Hazard Index	8E-04 *(5E-04, 1E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(7E-06, 5E-05)*	3E-04 *(8E-05, 1E-03)*	1E-03 *(2E-04, 2E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D31. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(9E-11, 8E-10)*	6E-09 *(1E-09, 2E-08)*	2E-08 *(3E-09, 4E-08)*	* *	-
ARSENIC	4E-12 *(2E-12, 2E-11)*	2E-10 *	* *	* *	-
Additive Risk	8E-10 *(2E-10, 8E-10)*	6E-09 *(1E-09, 2E-08)*	3E-08 *(3E-09, 4E-08)*	2E-07 *(2E-08, 2E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(5E-12, 3E-11)*	7E-10 *(2E-10, 2E-09)*	3E-09 *(6E-10, 7E-09)*	2E-08 *	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	4E-09 *(1E-09, 6E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 4E-12)*	3E-11 *(2E-11, 5E-11)*	7E-11 *(4E-11, 1E-10)*	3E-10 *(1E-10, 5E-10)*	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(2E-10, 5E-10)*	6E-10 *(3E-10, 8E-10)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	3E-09 *(2E-09, 7E-09)*	9E-09 *(3E-09, 1E-08)*	3E-08 *	-
NICKEL	1E-11 *(6E-12, 2E-11)*	2E-10 *(9E-11, 2E-10)*	4E-10 *(2E-10, 5E-10)*	9E-10 *	-
Additive Risk	7E-10 *(4E-10, 1E-09)*	1E-08 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(3E-09, 5E-08)*	2E-06 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 4E-07)*	4E-06 *	* *	* *	-
BARIUM	3E-09 *(1E-09, 6E-09)*	1E-07 *(6E-08, 2E-07)*	2E-07 *(1E-07, 5E-07)*	7E-07 *(2E-07, 9E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 5E-09)*	3E-08 *(1E-08, 4E-08)*	5E-08 *(3E-08, 6E-08)*	1E-07 *(7E-08, 2E-07)*	-
CADMIUM	4E-07 *(3E-07, 8E-07)*	2E-06 *(1E-06, 7E-06)*	7E-06 *	* *	-
CHROMIUM (III)	1E-10 *(7E-11, 3E-10)*	4E-09 *(2E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	3E-08 *(2E-08, 3E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 8E-09)*	3E-07 *	* *	* *	-
COBALT	1E-09 *(6E-10, 3E-09)*	2E-08 *(8E-09, 1E-07)*	1E-07 *	* *	-
MANGANESE	5E-09 *(2E-09, 9E-09)*	7E-08 *(2E-08, 4E-07)*	4E-07 *	* *	-
MERCURY (DIVALENT)	6E-08 *(1E-08, 2E-07)*	6E-06 *(1E-06, 1E-05)*	1E-05 *(4E-06, 3E-05)*	9E-05 *(1E-05, 1E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 7E-06	max: 4E-03		
NICKEL	2E-09 *(1E-09, 5E-09)*	1E-07 *	* *	* *	-
SELENIUM	8E-08 *(3E-08, 3E-07)*	2E-06 *	* *	* *	-
SILVER	2E-09 *(2E-10, 2E-08)*	2E-07 *(8E-08, 7E-07)*	7E-07 *	* *	-
THALLIUM	2E-07 *(1E-07, 7E-07)*	2E-05 *(4E-06, 3E-05)*	3E-05 *(9E-06, 4E-05)*	5E-05 *	-
Hazard Index	2E-05 *(8E-06, 5E-05)*	4E-04 *(8E-05, 4E-03)*	4E-03 *(3E-04, 4E-03)*	4E-03 *(4E-04, 4E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(6E-07, 2E-06)*	2E-05 *(1E-05, 4E-05)*	5E-05 *(2E-05, 8E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 8E-04)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	7E-05 *(3E-05, 1E-04)*	2E-03 *(9E-04, 2E-03)*	3E-03 *(2E-03, 6E-03)*	9E-03 *(5E-03, 2E-02)*	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	5E-04 *(3E-04, 7E-04)*	7E-04 *(6E-04, 9E-04)*	2E-03 *	-
MERCURY (ELEMENTAL)	4E-07 *(2E-07, 8E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(6E-06, 8E-05)*	2E-04 *	-
Hazard Index	8E-04 *(5E-04, 1E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(3E-06, 1E-05)*	1E-04 *(3E-05, 6E-04)*	7E-04 *(9E-05, 9E-04)*	* *	-
TCDD-TEQ	2E-05 *(4E-06, 3E-05)*	2E-04 *(5E-05, 8E-04)*	9E-04 *(1E-04, 1E-03)*	5E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D32. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(1E-10, 9E-10)*	6E-09 *(1E-09, 3E-08)*	3E-08 *(4E-09, 6E-08)*	1E-07 *(3E-08, 2E-07)*	-
ARSENIC	7E-12 *(3E-12, 3E-11)*	3E-10 *	* *	* *	-
Additive Risk	1E-09 *(3E-10, 1E-09)*	6E-09 *(1E-09, 3E-08)*	3E-08 *(4E-09, 6E-08)*	1E-07 *(3E-08, 2E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(6E-12, 3E-11)*	8E-10 *(3E-10, 3E-09)*	4E-09 *(7E-10, 8E-09)*	2E-08 *	-
ARSENIC	4E-11 *(2E-11, 2E-10)*	4E-09 *(2E-09, 7E-09)*	8E-09 *(4E-09, 1E-08)*	2E-08 *	-
BERYLLIUM	3E-12 *(1E-12, 4E-12)*	4E-11 *(2E-11, 6E-11)*	8E-11 *(4E-11, 1E-10)*	3E-10 *(1E-10, 5E-10)*	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	4E-09 *(2E-09, 8E-09)*	1E-08 *(4E-09, 2E-08)*	4E-08 *	-
NICKEL	1E-11 *(7E-12, 3E-11)*	2E-10 *(1E-10, 3E-10)*	4E-10 *(2E-10, 6E-10)*	1E-09 *	-
Additive Risk	8E-10 *(4E-10, 2E-09)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(1E-09, 3E-08)*	3E-06 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 4E-07)*	4E-06 *	* *	* *	-
BARIUM	1E-09 *(6E-10, 2E-09)*	1E-07 *(2E-08, 2E-07)*	2E-07 *(9E-08, 5E-07)*	6E-07 *	-
BERYLLIUM	2E-09 *(1E-09, 4E-09)*	2E-08 *(9E-09, 3E-08)*	4E-08 *(1E-08, 5E-08)*	7E-08 *(4E-08, 9E-08)*	-
CADMIUM	4E-07 *(3E-07, 8E-07)*	2E-06 *(1E-06, 8E-06)*	8E-06 *	* *	-
CHROMIUM (III)	8E-11 *(2E-11, 1E-10)*	2E-09 *(9E-10, 4E-09)*	5E-09 *(2E-09, 6E-09)*	1E-08 *(7E-09, 1E-08)*	-
CHROMIUM (VI)	3E-09 *(1E-09, 8E-09)*	3E-07 *	* *	* *	-
COBALT	1E-09 *(3E-10, 3E-09)*	2E-08 *	* *	* *	-
MANGANESE	4E-09 *(1E-09, 8E-09)*	5E-08 *(2E-08, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	2E-08 *(8E-09, 1E-07)*	2E-06 *(7E-07, 5E-06)*	6E-06 *(1E-06, 1E-05)*	5E-05 *(5E-06, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 7E-06	max: 5E-03		
NICKEL	2E-09 *(1E-09, 5E-09)*	2E-07 *	* *	* *	-
SELENIUM	9E-08 *(4E-08, 3E-07)*	3E-06 *	* *	* *	-
SILVER	1E-09 *(1E-10, 2E-08)*	2E-07 *(9E-08, 8E-07)*	8E-07 *	* *	-
THALLIUM	2E-07 *(1E-07, 8E-07)*	2E-05 *(4E-06, 3E-05)*	3E-05 *	* *	-
Hazard Index	3E-05 *(9E-06, 5E-05)*	5E-04 *(1E-04, 5E-03)*	5E-03 *(3E-04, 5E-03)*	5E-03 *(5E-04, 5E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(6E-07, 2E-06)*	2E-05 *(1E-05, 4E-05)*	5E-05 *(2E-05, 8E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 8E-04)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	7E-05 *(3E-05, 1E-04)*	2E-03 *(9E-04, 2E-03)*	3E-03 *(2E-03, 6E-03)*	9E-03 *(5E-03, 2E-02)*	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	5E-04 *(3E-04, 7E-04)*	7E-04 *(6E-04, 9E-04)*	2E-03 *	-
MERCURY (ELEMENTAL)	4E-07 *(2E-07, 8E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(6E-06, 8E-05)*	2E-04 *	-
Hazard Index	8E-04 *(5E-04, 1E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(4E-06, 2E-05)*	1E-04 *(3E-05, 8E-04)*	8E-04 *(9E-05, 1E-03)*	* *	-
TCDD-TEQ	2E-05 *(4E-06, 3E-05)*	1E-04 *(3E-05, 8E-04)*	8E-04 *(9E-05, 1E-03)*	6E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D33. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-08 *(9E-09, 4E-08)*	2E-07 *(9E-08, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *	-
ARSENIC	2E-11 *(9E-12, 6E-11)*	7E-10 *(1E-10, 2E-09)*	2E-09 *(5E-10, 5E-09)*	2E-08 *	-
Additive Risk	3E-08 *(9E-09, 5E-08)*	3E-07 *(1E-07, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-09 *(1E-09, 3E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 4E-08)*	8E-08 *	-
ARSENIC	2E-10 *(6E-11, 4E-10)*	1E-08 *(3E-09, 4E-08)*	4E-08 *(6E-09, 1E-07)*	3E-07 *	-
BERYLLIUM	9E-12 *(4E-12, 2E-11)*	2E-10 *(7E-11, 4E-10)*	4E-10 *(2E-10, 1E-09)*	1E-09 *	-
CADMIUM	2E-10 *(1E-10, 3E-10)*	7E-09 *(1E-09, 1E-08)*	2E-08 *(4E-09, 3E-08)*	9E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 2E-09)*	2E-08 *(8E-09, 3E-08)*	5E-08 *(2E-08, 1E-07)*	2E-07 *	-
NICKEL	8E-11 *(4E-11, 1E-10)*	8E-10 *(6E-10, 1E-09)*	1E-09 *(8E-10, 2E-09)*	3E-09 *	-
Additive Risk	7E-09 *(5E-09, 1E-08)*	9E-08 *(4E-08, 1E-07)*	2E-07 *(8E-08, 3E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-07 *(5E-08, 3E-06)*	2E-05 *(7E-06, 3E-05)*	3E-05 *(1E-05, 7E-05)*	3E-04 *	-
ARSENIC	4E-07 *(2E-07, 1E-06)*	1E-05 *(4E-06, 5E-05)*	6E-05 *(1E-05, 1E-04)*	5E-04 *	-
BARIUM	9E-08 *(4E-08, 2E-07)*	3E-06 *(1E-06, 5E-06)*	7E-06 *(5E-06, 8E-06)*	3E-05 *(2E-05, 3E-05)*	-
BERYLLIUM	4E-08 *(2E-08, 6E-08)*	6E-07 *(3E-07, 1E-06)*	1E-06 *(5E-07, 3E-06)*	9E-06 *	-
CADMIUM	1E-06 *(6E-07, 4E-06)*	3E-04 *(5E-05, 4E-04)*	5E-04 *(9E-05, 6E-04)*	1E-03 *	-
CHROMIUM (III)	7E-09 *(5E-09, 9E-09)*	1E-07 *(8E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	7E-07 *	-
CHROMIUM (VI)	6E-08 *(2E-08, 1E-07)*	2E-06 *(4E-07, 5E-06)*	5E-06 *	6E-06 *	-
COBALT	2E-09 *(2E-09, 3E-09)*	3E-08 *(2E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	* *	-
MANGANESE	3E-08 *(1E-08, 8E-08)*	4E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-06 *(3E-07, 5E-06)*	1E-04 *(3E-05, 2E-04)*	3E-04 *(9E-05, 6E-04)*	9E-04 *(2E-04, 2E-03)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	2E-08 *(9E-09, 8E-08)*	6E-07 *	* *	* *	-
SELENIUM	1E-07 *(6E-08, 1E-06)*	4E-05 *	* *	* *	-
SILVER	1E-09 *(2E-10, 7E-09)*	1E-06 *	* *	* *	-
THALLIUM	1E-06 *(7E-07, 8E-06)*	7E-05 *(1E-05, 8E-05)*	9E-05 *(7E-05, 9E-05)*	* *	-
Hazard Index	1E-04 *(4E-05, 1E-04)*	5E-03 *(2E-03, 8E-03)*	5E-03 *(3E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(3E-06, 1E-05)*	9E-05 *(5E-05, 2E-04)*	2E-04 *(1E-04, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	2E-03 *(1E-03, 3E-03)*	3E-02 *(1E-02, 5E-02)*	6E-02 *(2E-02, 1E-01)*	2E-01 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(6E-05, 4E-04)*	3E-03 *(2E-03, 5E-03)*	5E-03 *(2E-03, 1E-02)*	2E-02 *	-
MANGANESE	2E-04 *(1E-04, 2E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(9E-04, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 3E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 5E-03)*	3E-02 *(2E-02, 6E-02)*	6E-02 *(3E-02, 1E-01)*	2E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-03 *(4E-04, 2E-03)*	1E-02 *(4E-03, 1E-02)*	1E-02 *(9E-03, 2E-02)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D34. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08 *(7E-09, 3E-08)*	2E-07 *	* *	* *	-
ARSENIC	1E-11 *(5E-12, 5E-11)*	4E-10 *(1E-10, 7E-10)*	9E-10 *(3E-10, 2E-09)*	7E-09 *	-
Additive Risk	2E-08 *(8E-09, 4E-08)*	3E-07 *(6E-08, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-09 *(1E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 5E-08)*	1E-07 *	-
ARSENIC	2E-10 *(7E-11, 5E-10)*	1E-08 *(3E-09, 5E-08)*	5E-08 *(7E-09, 2E-07)*	4E-07 *	-
BERYLLIUM	1E-11 *(5E-12, 3E-11)*	2E-10 *(8E-11, 4E-10)*	5E-10 *(2E-10, 1E-09)*	2E-09 *	-
CADMIUM	2E-10 *(1E-10, 3E-10)*	8E-09 *(1E-09, 2E-08)*	2E-08 *(4E-09, 4E-08)*	1E-07 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 3E-09)*	2E-08 *(1E-08, 4E-08)*	5E-08 *(2E-08, 1E-07)*	2E-07 *	-
NICKEL	9E-11 *(4E-11, 2E-10)*	1E-09 *(7E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *	-
Additive Risk	8E-09 *(5E-09, 1E-08)*	1E-07 *(4E-08, 2E-07)*	2E-07 *(9E-08, 3E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(2E-08, 1E-06)*	9E-06 *(4E-06, 1E-05)*	1E-05 *(8E-06, 3E-05)*	* *	-
ARSENIC	2E-07 *(9E-08, 9E-07)*	8E-06 *(2E-06, 1E-05)*	1E-05 *(5E-06, 3E-05)*	* *	-
BARIUM	2E-08 *(9E-09, 7E-08)*	9E-07 *(3E-07, 1E-06)*	2E-06 *(1E-06, 3E-06)*	7E-06 *	-
BERYLLIUM	1E-08 *(8E-09, 2E-08)*	2E-07 *(9E-08, 3E-07)*	4E-07 *(1E-07, 7E-07)*	3E-06 *	-
CADMIUM	9E-07 *(2E-07, 2E-06)*	2E-04 *(4E-05, 3E-04)*	3E-04 *(6E-05, 4E-04)*	7E-04 *(6E-04, 7E-04)*	-
CHROMIUM (III)	2E-09 *(1E-09, 2E-09)*	3E-08 *(2E-08, 6E-08)*	8E-08 *(4E-08, 9E-08)*	* *	-
CHROMIUM (VI)	2E-08 *(7E-09, 8E-08)*	9E-07 *	* *	* *	-
COBALT	6E-10 *(5E-10, 8E-10)*	8E-09 *(7E-09, 9E-09)*	1E-08 *(9E-09, 1E-08)*	* *	-
MANGANESE	9E-09 *(5E-09, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	3E-07 *(9E-08, 1E-06)*	4E-05 *(8E-06, 7E-05)*	7E-05 *(3E-05, 1E-04)*	2E-04 *(6E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 2E-09	median: 2E-05	max: 8E-03		
NICKEL	8E-09 *(3E-09, 4E-08)*	3E-07 *(6E-08, 3E-06)*	3E-06 *	* *	-
SELENIUM	9E-08 *(4E-08, 1E-06)*	3E-05 *	* *	* *	-
SILVER	6E-10 *(8E-11, 2E-09)*	6E-07 *	* *	* *	-
THALLIUM	8E-07 *(4E-07, 4E-06)*	4E-05 *(7E-06, 5E-05)*	5E-05 *(3E-05, 5E-05)*	7E-05 *(6E-05, 8E-05)*	-
Hazard Index	7E-05 *(2E-05, 9E-05)*	3E-03 *(9E-04, 6E-03)*	4E-03 *(2E-03, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(3E-06, 1E-05)*	9E-05 *(5E-05, 2E-04)*	2E-04 *(1E-04, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	2E-03 *(1E-03, 3E-03)*	3E-02 *(1E-02, 5E-02)*	6E-02 *(2E-02, 1E-01)*	2E-01 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(6E-05, 4E-04)*	3E-03 *(2E-03, 5E-03)*	5E-03 *(2E-03, 1E-02)*	2E-02 *	-
MANGANESE	2E-04 *(1E-04, 2E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(9E-04, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 3E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 5E-03)*	3E-02 *(2E-02, 6E-02)*	6E-02 *(3E-02, 1E-01)*	2E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-04 *(2E-04, 1E-03)*	9E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D35. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-09 *(4E-09, 2E-08)*	1E-07 *	* *	* *	-
ARSENIC	8E-12 *(3E-12, 2E-11)*	2E-10 *(6E-11, 5E-10)*	6E-10 *(1E-10, 9E-10)*	4E-09 *	-
Additive Risk	9E-09 *(4E-09, 2E-08)*	1E-07 *(4E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	3E-07 *(2E-07, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-09 *(8E-10, 2E-09)*	1E-08 *(8E-09, 1E-08)*	1E-08 *(1E-08, 3E-08)*	6E-08 *	-
ARSENIC	1E-10 *(5E-11, 3E-10)*	9E-09 *(2E-09, 3E-08)*	3E-08 *(5E-09, 1E-07)*	2E-07 *	-
BERYLLIUM	6E-12 *(3E-12, 2E-11)*	2E-10 *(5E-11, 3E-10)*	3E-10 *(1E-10, 7E-10)*	1E-09 *	-
CADMIUM	1E-10 *(8E-11, 2E-10)*	5E-09 *(9E-10, 1E-08)*	1E-08 *(3E-09, 3E-08)*	7E-08 *	-
CHROMIUM (VI)	1E-09 *(8E-10, 2E-09)*	1E-08 *(6E-09, 2E-08)*	3E-08 *(1E-08, 8E-08)*	1E-07 *	-
NICKEL	6E-11 *(3E-11, 1E-10)*	6E-10 *(4E-10, 8E-10)*	1E-09 *(6E-10, 1E-09)*	2E-09 *	-
Additive Risk	5E-09 *(3E-09, 8E-09)*	6E-08 *(3E-08, 1E-07)*	1E-07 *(6E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(1E-08, 9E-07)*	6E-06 *(2E-06, 7E-06)*	7E-06 *(5E-06, 1E-05)*	4E-05 *	-
ARSENIC	1E-07 *(5E-08, 5E-07)*	4E-06 *(1E-06, 7E-06)*	9E-06 *(2E-06, 2E-05)*	7E-05 *	-
BARIUM	1E-08 *(6E-09, 3E-08)*	6E-07 *(2E-07, 8E-07)*	9E-07 *(7E-07, 1E-06)*	4E-06 *(3E-06, 5E-06)*	-
BERYLLIUM	7E-09 *(4E-09, 1E-08)*	8E-08 *(5E-08, 2E-07)*	2E-07 *(8E-08, 4E-07)*	1E-06 *	-
CADMIUM	5E-07 *(1E-07, 1E-06)*	7E-05 *(1E-05, 1E-04)*	2E-04 *(3E-05, 2E-04)*	* *	-
CHROMIUM (III)	9E-10 *(7E-10, 1E-09)*	1E-08 *(9E-09, 2E-08)*	4E-08 *(2E-08, 5E-08)*	* *	-
CHROMIUM (VI)	9E-09 *(4E-09, 5E-08)*	7E-07 *	* *	* *	-
COBALT	1E-09 *(9E-10, 4E-09)*	5E-08 *	* *	* *	-
MANGANESE	5E-09 *(3E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(6E-08, 7E-07)*	2E-05 *(4E-06, 4E-05)*	4E-05 *(1E-05, 7E-05)*	1E-04 *(3E-05, 2E-04)*	-
MERCURY (METHYL)[a]	min: 9E-10	median: 1E-05	max: 4E-03		
NICKEL	4E-09 *(2E-09, 2E-08)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 7E-07)*	9E-06 *	* *	* *	-
SILVER	3E-10 *(6E-11, 1E-09)*	4E-07 *	* *	* *	-
THALLIUM	5E-07 *(2E-07, 2E-06)*	2E-05 *(4E-06, 3E-05)*	3E-05 *(2E-05, 3E-05)*	4E-05 *	-
Hazard Index	4E-05 *(9E-06, 6E-05)*	2E-03 *(5E-04, 3E-03)*	2E-03 *(1E-03, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(3E-06, 1E-05)*	9E-05 *(5E-05, 2E-04)*	2E-04 *(1E-04, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	2E-03 *(1E-03, 3E-03)*	3E-02 *(1E-02, 5E-02)*	6E-02 *(2E-02, 1E-01)*	2E-01 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(6E-05, 4E-04)*	3E-03 *(2E-03, 5E-03)*	5E-03 *(2E-03, 1E-02)*	2E-02 *	-
MANGANESE	2E-04 *(1E-04, 2E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(9E-04, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 3E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 5E-03)*	3E-02 *(2E-02, 6E-02)*	6E-02 *(3E-02, 1E-01)*	2E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04 *(1E-04, 5E-04)*	3E-03 *(9E-04, 4E-03)*	4E-03 *(3E-03, 6E-03)*	7E-03 *	-
TCDD-TEQ	3E-04 *(1E-04, 7E-04)*	5E-03 *(1E-03, 9E-03)*	9E-03 *(4E-03, 9E-03)*	9E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D36. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-09 *(5E-09, 3E-08)*	2E-07 *	* *	* *	-
ARSENIC	9E-12 *(3E-12, 3E-11)*	3E-10 *(9E-11, 5E-10)*	5E-10 *(1E-10, 8E-10)*	2E-09 *	-
Additive Risk	8E-09 *(6E-09, 3E-08)*	2E-07 *(5E-08, 3E-07)*	3E-07 *(2E-07, 4E-07)*	4E-07 *(2E-07, 4E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09 *(9E-10, 3E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	7E-08 *	-
ARSENIC	1E-10 *(5E-11, 4E-10)*	1E-08 *(2E-09, 4E-08)*	4E-08 *(5E-09, 1E-07)*	3E-07 *	-
BERYLLIUM	7E-12 *(3E-12, 2E-11)*	2E-10 *(6E-11, 3E-10)*	4E-10 *(1E-10, 8E-10)*	1E-09 *	-
CADMIUM	1E-10 *(9E-11, 2E-10)*	6E-09 *(1E-09, 1E-08)*	2E-08 *(3E-09, 3E-08)*	8E-08 *	-
CHROMIUM (VI)	1E-09 *(1E-09, 2E-09)*	2E-08 *(7E-09, 3E-08)*	4E-08 *(2E-08, 9E-08)*	1E-07 *	-
NICKEL	7E-11 *(3E-11, 1E-10)*	7E-10 *(5E-10, 1E-09)*	1E-09 *(7E-10, 1E-09)*	2E-09 *	-
Additive Risk	6E-09 *(4E-09, 1E-08)*	7E-08 *(3E-08, 1E-07)*	2E-07 *(7E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(6E-09, 9E-07)*	7E-06 *(1E-06, 7E-06)*	7E-06 *(5E-06, 1E-05)*	* *	-
ARSENIC	1E-07 *(4E-08, 4E-07)*	4E-06 *(9E-07, 6E-06)*	6E-06 *(1E-06, 1E-05)*	3E-05 *	-
BARIUM	7E-09 *(2E-09, 1E-08)*	5E-07 *(1E-07, 6E-07)*	6E-07 *(2E-07, 8E-07)*	1E-06 *(5E-07, 2E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 8E-09)*	6E-08 *(2E-08, 8E-08)*	9E-08 *(6E-08, 2E-07)*	6E-07 *	-
CADMIUM	5E-07 *(8E-08, 2E-06)*	1E-04 *(2E-05, 2E-04)*	2E-04 *(4E-05, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHROMIUM (III)	4E-10 *(2E-10, 6E-10)*	7E-09 *(5E-09, 9E-09)*	1E-08 *(9E-09, 2E-08)*	* *	-
CHROMIUM (VI)	8E-09 *(2E-09, 3E-08)*	7E-07 *	* *	* *	-
COBALT	9E-10 *(5E-10, 3E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *(1E-09, 8E-09)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	8E-08 *(2E-08, 3E-07)*	8E-06 *(2E-06, 1E-05)*	1E-05 *(7E-06, 4E-05)*	5E-05 *(1E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 9E-10	median: 1E-05	max: 5E-03		
NICKEL	3E-09 *(1E-09, 2E-08)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 8E-07)*	2E-05 *	* *	* *	-
SILVER	2E-10 *(3E-11, 8E-10)*	5E-07 *	* *	* *	-
THALLIUM	4E-07 *(1E-07, 3E-06)*	2E-05 *(4E-06, 3E-05)*	3E-05 *(2E-05, 3E-05)*	3E-05 *	-
Hazard Index	4E-05 *(9E-06, 6E-05)*	2E-03 *(4E-04, 4E-03)*	2E-03 *(1E-03, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(3E-06, 1E-05)*	9E-05 *(5E-05, 2E-04)*	2E-04 *(1E-04, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	2E-03 *(1E-03, 3E-03)*	3E-02 *(1E-02, 5E-02)*	6E-02 *(2E-02, 1E-01)*	2E-01 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(6E-05, 4E-04)*	3E-03 *(2E-03, 5E-03)*	5E-03 *(2E-03, 1E-02)*	2E-02 *	-
MANGANESE	2E-04 *(1E-04, 2E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(9E-04, 2E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 3E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 5E-03)*	3E-02 *(2E-02, 6E-02)*	6E-02 *(3E-02, 1E-01)*	2E-01 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04 *(1E-04, 7E-04)*	5E-03 *(9E-04, 7E-03)*	7E-03 *(3E-03, 8E-03)*	* *	-
TCDD-TEQ	2E-04 *(1E-04, 7E-04)*	5E-03 *(1E-03, 1E-02)*	1E-02 *(5E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D37. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(8E-10, 1E-09)*	4E-08 *(2E-08, 7E-08)*	8E-08 *(4E-08, 3E-07)*	* *	-
ARSENIC	9E-11 *(1E-11, 2E-10)*	4E-09 *(1E-09, 7E-08)*	8E-08 *(4E-09, 1E-07)*	2E-07 *(9E-08, 2E-07)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	6E-08 *(4E-08, 1E-07)*	1E-07 *(7E-08, 4E-07)*	6E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 4E-11)*	5E-10 *(3E-10, 7E-10)*	1E-09 *(6E-10, 2E-09)*	5E-09 *	-
ARSENIC	4E-10 *(8E-11, 9E-10)*	2E-08 *(1E-08, 6E-08)*	1E-07 *(2E-08, 3E-07)*	1E-06 *	-
BERYLLIUM	6E-12 *(4E-12, 1E-11)*	7E-10 *(1E-10, 1E-09)*	2E-09 *(7E-10, 3E-09)*	6E-09 *	-
CADMIUM	1E-10 *(7E-11, 3E-10)*	2E-08 *(7E-09, 3E-08)*	5E-08 *(2E-08, 2E-07)*	6E-07 *	-
CHROMIUM (VI)	7E-10 *(3E-10, 1E-09)*	3E-08 *(1E-08, 5E-08)*	6E-08 *(3E-08, 1E-07)*	4E-07 *	-
NICKEL	5E-11 *(3E-11, 8E-11)*	1E-09 *(7E-10, 2E-09)*	3E-09 *(2E-09, 5E-09)*	1E-08 *	-
Additive Risk	3E-09 *(2E-09, 6E-09)*	9E-08 *(4E-08, 2E-07)*	2E-07 *(1E-07, 6E-07)*	2E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(3E-08, 7E-07)*	8E-04 *(2E-05, 4E-03)*	7E-03 *(9E-04, 2E-02)*	* *	-
ARSENIC	2E-06 *(4E-07, 5E-06)*	9E-05 *(3E-05, 1E-03)*	2E-03 *(1E-04, 3E-03)*	* *	-
BARIUM	7E-08 *(3E-08, 1E-07)*	1E-06 *(9E-07, 2E-06)*	3E-06 *(1E-06, 7E-06)*	3E-05 *(9E-06, 6E-05)*	-
BERYLLIUM	3E-08 *(2E-08, 4E-08)*	2E-06 *(9E-07, 7E-06)*	1E-05 *(3E-06, 4E-05)*	6E-05 *(3E-05, 7E-05)*	-
CADMIUM	3E-06 *(2E-06, 5E-06)*	8E-04 *(2E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	1E-02 *(4E-03, 2E-02)*	-
CHROMIUM (III)	4E-09 *(2E-09, 7E-09)*	2E-07 *(1E-07, 3E-07)*	6E-07 *(3E-07, 8E-07)*	2E-06 *(1E-06, 4E-06)*	-
CHROMIUM (VI)	2E-08 *(1E-08, 5E-08)*	1E-05 *(1E-06, 2E-05)*	3E-05 *(9E-06, 6E-05)*	* *	-
COBALT	2E-09 *(1E-09, 3E-09)*	4E-08 *(2E-08, 5E-08)*	7E-08 *(6E-08, 8E-08)*	1E-07 *(1E-07, 2E-07)*	-
MANGANESE	3E-08 *(2E-08, 5E-08)*	1E-06 *(3E-07, 2E-06)*	2E-06 *(1E-06, 3E-06)*	* *	-
MERCURY (DIVALENT)	2E-06 *(8E-07, 5E-06)*	8E-05 *(4E-05, 1E-04)*	2E-04 *(9E-05, 9E-04)*	2E-03 *(5E-04, 5E-03)*	-
MERCURY (METHYL)[a]	min: 4E-09	median: 2E-05	max: 1E-02		
NICKEL	2E-08 *(1E-08, 6E-08)*	6E-06 *(9E-07, 1E-05)*	2E-05 *(5E-06, 3E-05)*	* *	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(9E-06, 4E-05)*	7E-05 *(2E-05, 2E-04)*	* *	-
SILVER	5E-09 *(2E-09, 3E-08)*	2E-06 *(4E-07, 3E-06)*	3E-06 *(2E-06, 7E-06)*	* *	-
THALLIUM	1E-06 *(8E-07, 2E-06)*	9E-05 *(3E-05, 1E-04)*	2E-04 *(9E-05, 2E-03)*	7E-03 *	-
Hazard Index	2E-04 *(9E-05, 5E-04)*	1E-02 *(4E-03, 2E-02)*	2E-02 *(6E-03, 3E-02)*	1E-01 *(2E-02, 1E-01)*	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(7E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	5E-04 *(3E-04, 9E-04)*	1E-02 *(6E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(6E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 5E-03)*	7E-03 *(6E-03, 8E-03)*	-
MANGANESE	1E-04 *(8E-05, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(7E-07, 4E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(2E-02, 3E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-05 *(3E-05, 7E-05)*	2E-03 *(9E-04, 3E-03)*	4E-03 *(2E-03, 1E-02)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D38. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(7E-10, 1E-09)*	4E-08 *(2E-08, 7E-08)*	8E-08 *(4E-08, 3E-07)*	* *	-
ARSENIC	6E-11 *(9E-12, 1E-10)*	2E-09 *(9E-10, 3E-08)*	6E-08 *(3E-09, 8E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	6E-08 *(3E-08, 8E-08)*	8E-08 *(6E-08, 4E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 5E-11)*	6E-10 *(4E-10, 8E-10)*	1E-09 *(7E-10, 2E-09)*	6E-09 *	-
ARSENIC	4E-10 *(9E-11, 1E-09)*	3E-08 *(1E-08, 7E-08)*	1E-07 *(3E-08, 3E-07)*	1E-06 *	-
BERYLLIUM	7E-12 *(5E-12, 1E-11)*	8E-10 *(1E-10, 2E-09)*	2E-09 *(8E-10, 3E-09)*	7E-09 *	-
CADMIUM	1E-10 *(8E-11, 4E-10)*	2E-08 *(8E-09, 4E-08)*	5E-08 *(2E-08, 2E-07)*	7E-07 *	-
CHROMIUM (VI)	8E-10 *(4E-10, 1E-09)*	3E-08 *(1E-08, 5E-08)*	7E-08 *(3E-08, 2E-07)*	4E-07 *	-
NICKEL	5E-11 *(3E-11, 9E-11)*	1E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 6E-09)*	1E-08 *	-
Additive Risk	4E-09 *(2E-09, 7E-09)*	1E-07 *(5E-08, 2E-07)*	3E-07 *(1E-07, 6E-07)*	2E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	8E-08 *(1E-08, 3E-07)*	4E-04 *(8E-06, 3E-03)*	5E-03 *(5E-04, 1E-02)*	* *	-
ARSENIC	1E-06 *(2E-07, 2E-06)*	5E-05 *(1E-05, 6E-04)*	8E-04 *(5E-05, 1E-03)*	3E-03 *	-
BARIUM	2E-08 *(9E-09, 4E-08)*	4E-07 *(2E-07, 5E-07)*	9E-07 *(4E-07, 2E-06)*	7E-06 *(2E-06, 1E-05)*	-
BERYLLIUM	9E-09 *(6E-09, 1E-08)*	9E-07 *(4E-07, 2E-06)*	4E-06 *(9E-07, 2E-05)*	3E-05 *(8E-06, 3E-05)*	-
CADMIUM	2E-06 *(9E-07, 3E-06)*	5E-04 *(1E-04, 2E-03)*	2E-03 *(5E-04, 3E-03)*	* *	-
CHROMIUM (III)	9E-10 *(5E-10, 2E-09)*	5E-08 *(3E-08, 9E-08)*	1E-07 *(8E-08, 2E-07)*	5E-07 *(3E-07, 1E-06)*	-
CHROMIUM (VI)	1E-08 *(6E-09, 2E-08)*	7E-06 *(4E-07, 9E-06)*	1E-05 *(5E-06, 4E-05)*	* *	-
COBALT	6E-10 *(4E-10, 7E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *(4E-08, 5E-08)*	-
MANGANESE	1E-08 *(8E-09, 2E-08)*	9E-07 *(9E-08, 1E-06)*	1E-06 *(6E-07, 2E-06)*	* *	-
MERCURY (DIVALENT)	6E-07 *(2E-07, 1E-06)*	2E-05 *(9E-06, 4E-05)*	6E-05 *(2E-05, 2E-04)*	5E-04 *(1E-04, 1E-03)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	9E-09 *(5E-09, 2E-08)*	3E-06 *(4E-07, 7E-06)*	8E-06 *(2E-06, 2E-05)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	5E-05 *(2E-05, 9E-05)*	* *	-
SILVER	2E-09 *(7E-10, 1E-08)*	8E-07 *(2E-07, 2E-06)*	2E-06 *(8E-07, 4E-06)*	* *	-
THALLIUM	9E-07 *(4E-07, 1E-06)*	7E-05 *(1E-05, 9E-05)*	1E-04 *(8E-05, 8E-04)*	* *	-
Hazard Index	1E-04 *(5E-05, 4E-04)*	6E-03 *(2E-03, 1E-02)*	1E-02 *(4E-03, 2E-02)*	7E-02 *(1E-02, 7E-02)*	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(7E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	5E-04 *(3E-04, 9E-04)*	1E-02 *(6E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(6E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 5E-03)*	7E-03 *(6E-03, 8E-03)*	-
MANGANESE	1E-04 *(8E-05, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(7E-07, 4E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(2E-02, 3E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(2E-05, 5E-05)*	1E-03 *(6E-04, 2E-03)*	3E-03 *(1E-03, 7E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D39. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(3E-10, 8E-10)*	2E-08 *(8E-09, 3E-08)*	4E-08 *(2E-08, 1E-07)*	* *	-
ARSENIC	4E-11 *(6E-12, 9E-11)*	1E-09 *(6E-10, 2E-08)*	3E-08 *(1E-09, 5E-08)*	* *	-
Additive Risk	8E-10 *(6E-10, 9E-10)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(3E-08, 2E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	4E-10 *(2E-10, 5E-10)*	8E-10 *(5E-10, 1E-09)*	4E-09 *	-
ARSENIC	3E-10 *(6E-11, 7E-10)*	2E-08 *(9E-09, 4E-08)*	7E-08 *(2E-08, 2E-07)*	8E-07 *	-
BERYLLIUM	5E-12 *(3E-12, 8E-12)*	5E-10 *(9E-11, 1E-09)*	1E-09 *(5E-10, 2E-09)*	4E-09 *	-
CADMIUM	9E-11 *(5E-11, 2E-10)*	1E-08 *(5E-09, 2E-08)*	3E-08 *(1E-08, 1E-07)*	4E-07 *	-
CHROMIUM (VI)	5E-10 *(3E-10, 8E-10)*	2E-08 *(9E-09, 3E-08)*	4E-08 *(2E-08, 1E-07)*	3E-07 *	-
NICKEL	3E-11 *(2E-11, 6E-11)*	9E-10 *(5E-10, 1E-09)*	2E-09 *(1E-09, 4E-09)*	8E-09 *	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	7E-08 *(3E-08, 1E-07)*	2E-07 *(8E-08, 4E-07)*	1E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-08 *(9E-09, 2E-07)*	3E-04 *(5E-06, 2E-03)*	3E-03 *(4E-04, 7E-03)*	* *	-
ARSENIC	7E-07 *(1E-07, 1E-06)*	2E-05 *(9E-06, 3E-04)*	6E-04 *(3E-05, 1E-03)*	* *	-
BARIUM	9E-09 *(5E-09, 2E-08)*	2E-07 *(1E-07, 3E-07)*	4E-07 *(2E-07, 9E-07)*	3E-06 *(1E-06, 8E-06)*	-
BERYLLIUM	6E-09 *(3E-09, 9E-09)*	5E-07 *(2E-07, 1E-06)*	2E-06 *(6E-07, 9E-06)*	* *	-
CADMIUM	1E-06 *(6E-07, 2E-06)*	2E-04 *(6E-05, 1E-03)*	1E-03 *(2E-04, 2E-03)*	* *	-
CHROMIUM (III)	5E-10 *(2E-10, 9E-10)*	2E-08 *(1E-08, 5E-08)*	8E-08 *(4E-08, 1E-07)*	3E-07 *(1E-07, 6E-07)*	-
CHROMIUM (VI)	7E-09 *(3E-09, 1E-08)*	4E-06 *(3E-07, 6E-06)*	9E-06 *(3E-06, 2E-05)*	* *	-
COBALT	2E-09 *(1E-09, 3E-09)*	1E-07 *(1E-08, 2E-07)*	3E-07 *(1E-07, 5E-07)*	6E-07 *(3E-07, 6E-07)*	-
MANGANESE	7E-09 *(4E-09, 1E-08)*	5E-07 *(5E-08, 6E-07)*	7E-07 *(4E-07, 1E-06)*	* *	-
MERCURY (DIVALENT)	3E-07 *(1E-07, 7E-07)*	1E-05 *(6E-06, 2E-05)*	3E-05 *(1E-05, 9E-05)*	3E-04 *(8E-05, 7E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 8E-06	max: 4E-03		
NICKEL	6E-09 *(3E-09, 1E-08)*	2E-06 *(2E-07, 5E-06)*	6E-06 *(9E-07, 1E-05)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	9E-06 *(4E-06, 2E-05)*	3E-05 *(8E-06, 7E-05)*	* *	-
SILVER	2E-09 *(4E-10, 7E-09)*	7E-07 *(1E-07, 9E-07)*	1E-06 *(7E-07, 3E-06)*	* *	-
THALLIUM	4E-07 *(2E-07, 8E-07)*	4E-05 *(9E-06, 5E-05)*	6E-05 *(4E-05, 6E-04)*	* *	-
Hazard Index	7E-05 *(3E-05, 2E-04)*	3E-03 *(1E-03, 8E-03)*	9E-03 *(2E-03, 1E-02)*	5E-02 *(9E-03, 5E-02)*	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(7E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	5E-04 *(3E-04, 9E-04)*	1E-02 *(6E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(6E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 5E-03)*	7E-03 *(6E-03, 8E-03)*	-
MANGANESE	1E-04 *(8E-05, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(7E-07, 4E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(2E-02, 3E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(9E-06, 2E-05)*	7E-04 *(3E-04, 9E-04)*	1E-03 *(7E-04, 4E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	8E-04 *(4E-04, 1E-03)*	1E-03 *(8E-04, 7E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D40. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(5E-10, 1E-09)*	4E-08 *(1E-08, 6E-08)*	7E-08 *(4E-08, 2E-07)*	* *	-
ARSENIC	5E-11 *(9E-12, 1E-10)*	2E-09 *(7E-10, 1E-08)*	4E-08 *(2E-09, 9E-08)*	* *	-
Additive Risk	1E-09 *(9E-10, 1E-09)*	4E-08 *(2E-08, 8E-08)*	9E-08 *(5E-08, 3E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	4E-10 *(3E-10, 6E-10)*	9E-10 *(5E-10, 1E-09)*	5E-09 *	-
ARSENIC	3E-10 *(6E-11, 8E-10)*	2E-08 *(1E-08, 5E-08)*	8E-08 *(2E-08, 2E-07)*	9E-07 *	-
BERYLLIUM	5E-12 *(3E-12, 9E-12)*	6E-10 *(1E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	5E-09 *	-
CADMIUM	1E-10 *(6E-11, 3E-10)*	1E-08 *(6E-09, 3E-08)*	4E-08 *(2E-08, 1E-07)*	5E-07 *	-
CHROMIUM (VI)	6E-10 *(3E-10, 1E-09)*	2E-08 *(1E-08, 4E-08)*	5E-08 *(2E-08, 1E-07)*	3E-07 *	-
NICKEL	4E-11 *(2E-11, 7E-11)*	1E-09 *(6E-10, 2E-09)*	3E-09 *(1E-09, 4E-09)*	9E-09 *	-
Additive Risk	3E-09 *(1E-09, 5E-09)*	8E-08 *(4E-08, 1E-07)*	2E-07 *(9E-08, 5E-07)*	1E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-08 *(9E-09, 2E-07)*	3E-04 *(4E-06, 2E-03)*	3E-03 *(4E-04, 9E-03)*	* *	-
ARSENIC	6E-07 *(1E-07, 1E-06)*	2E-05 *(9E-06, 1E-04)*	5E-04 *(3E-05, 1E-03)*	* *	-
BARIUM	5E-09 *(2E-09, 9E-09)*	1E-07 *(9E-08, 2E-07)*	2E-07 *(1E-07, 4E-07)*	1E-06 *(5E-07, 3E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	4E-07 *(9E-08, 7E-07)*	1E-06 *(4E-07, 4E-06)*	* *	-
CADMIUM	1E-06 *(6E-07, 2E-06)*	2E-04 *(6E-05, 1E-03)*	1E-03 *(3E-04, 2E-03)*	* *	-
CHROMIUM (III)	2E-10 *(1E-10, 4E-10)*	1E-08 *(6E-09, 2E-08)*	3E-08 *(1E-08, 5E-08)*	1E-07 *(8E-08, 2E-07)*	-
CHROMIUM (VI)	7E-09 *(3E-09, 1E-08)*	4E-06 *(2E-07, 7E-06)*	1E-05 *(1E-06, 3E-05)*	* *	-
COBALT	2E-09 *(8E-10, 3E-09)*	2E-07 *(1E-08, 3E-07)*	4E-07 *(1E-07, 5E-07)*	* *	-
MANGANESE	6E-09 *(2E-09, 9E-09)*	6E-07 *(3E-08, 7E-07)*	8E-07 *(4E-07, 1E-06)*	* *	-
MERCURY (DIVALENT)	1E-07 *(5E-08, 3E-07)*	5E-06 *(2E-06, 9E-06)*	1E-05 *(5E-06, 5E-05)*	1E-04 *(3E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 8E-06	max: 5E-03		
NICKEL	5E-09 *(2E-09, 1E-08)*	3E-06 *(2E-07, 6E-06)*	7E-06 *(5E-07, 1E-05)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	1E-05 *(5E-06, 2E-05)*	3E-05 *(9E-06, 8E-05)*	* *	-
SILVER	2E-09 *(3E-10, 9E-09)*	8E-07 *(1E-07, 1E-06)*	1E-06 *(8E-07, 3E-06)*	* *	-
THALLIUM	5E-07 *(2E-07, 9E-07)*	4E-05 *(8E-06, 6E-05)*	7E-05 *(5E-05, 6E-04)*	* *	-
Hazard Index	7E-05 *(3E-05, 2E-04)*	3E-03 *(1E-03, 1E-02)*	1E-02 *(2E-03, 2E-02)*	6E-02 *(1E-02, 6E-02)*	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 5E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(7E-05, 2E-04)*	5E-04 *	-
CHLORINE (CL2)	5E-04 *(3E-04, 9E-04)*	1E-02 *(6E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(6E-05, 2E-04)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(2E-03, 5E-03)*	7E-03 *(6E-03, 8E-03)*	-
MANGANESE	1E-04 *(8E-05, 1E-04)*	8E-04 *(7E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(7E-07, 4E-06)*	9E-05 *(6E-05, 2E-04)*	3E-04 *(1E-04, 5E-04)*	2E-03 *	-
Hazard Index	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(2E-02, 3E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(8E-06, 2E-05)*	9E-04 *(3E-04, 1E-03)*	1E-03 *(8E-04, 6E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	9E-04 *(4E-04, 2E-03)*	2E-03 *(9E-04, 8E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D41. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08 *(2E-09, 2E-08)*	6E-08 *(2E-08, 2E-07)*	2E-07 *(4E-08, 3E-07)*	4E-07 *	-
ARSENIC	1E-10 *(3E-11, 1E-09)*	4E-09 *(3E-09, 5E-09)*	6E-09 *(4E-09, 7E-09)*	1E-08 *(9E-09, 1E-08)*	-
Additive Risk	1E-08 *(7E-09, 2E-08)*	6E-08 *(3E-08, 4E-07)*	3E-07 *(4E-08, 4E-07)*	4E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 5E-10)*	5E-09 *(2E-09, 9E-09)*	1E-08 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	-
ARSENIC	7E-10 *(2E-10, 2E-09)*	4E-08 *(2E-08, 7E-08)*	1E-07 *(4E-08, 1E-07)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(1E-11, 3E-11)*	2E-10 *(7E-11, 2E-09)*	1E-09 *(1E-10, 4E-09)*	7E-09 *(2E-10, 8E-09)*	-
CADMIUM	5E-10 *(1E-10, 1E-09)*	3E-08 *(2E-08, 4E-08)*	8E-08 *(6E-08, 1E-07)*	3E-07 *(3E-07, 3E-07)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(3E-09, 4E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	9E-11 *(5E-11, 1E-10)*	3E-09 *(2E-09, 5E-09)*	7E-09 *(7E-09, 9E-09)*	2E-08 *(2E-08, 2E-08)*	-
Additive Risk	5E-09 *(3E-09, 1E-08)*	1E-07 *(7E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	4E-07 *(4E-07, 4E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-06 *(6E-07, 1E-05)*	* *	* *	* *	-
ARSENIC	3E-06 *(7E-07, 3E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
BARIUM	2E-07 *(6E-08, 4E-07)*	5E-06 *(3E-06, 7E-06)*	9E-06 *(7E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	-
BERYLLIUM	7E-08 *(4E-08, 1E-07)*	1E-06 *(7E-07, 7E-06)*	7E-06 *(9E-07, 2E-05)*	4E-05 *(2E-06, 6E-05)*	-
CADMIUM	3E-05 *(9E-07, 7E-05)*	9E-04 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
CHROMIUM (III)	9E-09 *(7E-09, 1E-08)*	2E-07 *(1E-07, 2E-07)*	5E-07 *(3E-07, 5E-07)*	8E-07 *(7E-07, 8E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 3E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(2E-07, 2E-07)*	-
COBALT	7E-09 *(5E-09, 1E-08)*	9E-08 *(7E-08, 9E-08)*	1E-07 *(1E-07, 1E-07)*	3E-07 *(2E-07, 3E-07)*	-
MANGANESE	7E-08 *(4E-08, 2E-07)*	9E-07 *	* *	* *	-
MERCURY (DIVALENT)	3E-05 *(1E-05, 6E-05)*	4E-04 *(1E-04, 9E-04)*	9E-04 *(4E-04, 1E-03)*	* *	-
MERCURY (METHYL)[a]	min: 9E-08	median: 4E-04	max: 7E-03		
NICKEL	1E-07 *(5E-08, 4E-07)*	1E-06 *(9E-07, 1E-06)*	2E-06 *(2E-06, 3E-06)*	5E-06 *(4E-06, 5E-06)*	-
SELENIUM	5E-06 *(7E-07, 1E-05)*	8E-05 *	* *	* *	-
SILVER	1E-08 *(9E-09, 2E-08)*	2E-06 *	* *	* *	-
THALLIUM	1E-05 *(2E-06, 7E-05)*	7E-04 *(4E-04, 9E-04)*	1E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
Hazard Index	3E-03 *(1E-03, 4E-03)*	6E-03 *(4E-03, 8E-03)*	8E-03 *(5E-03, 8E-03)*	9E-03 *(6E-03, 9E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(3E-06, 2E-05)*	1E-04 *(9E-05, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 9E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	2E-03 *(4E-04, 4E-03)*	6E-03 *(2E-03, 7E-03)*	-
MANGANESE	3E-04 *(2E-04, 4E-04)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(5E-06, 2E-05)*	8E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	6E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 1E-02)*	2E-02 *(9E-03, 2E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-04 *(1E-04, 9E-04)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D42. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-09 *(2E-09, 1E-08)*	4E-08 *	* *	* *	-
ARSENIC	9E-11 *(1E-11, 1E-09)*	3E-09 *(2E-09, 3E-09)*	4E-09 *(3E-09, 5E-09)*	6E-09 *(5E-09, 6E-09)*	-
Additive Risk	1E-08 *(6E-09, 2E-08)*	4E-08 *(3E-08, 3E-07)*	3E-07 *(3E-08, 4E-07)*	4E-07 *(4E-08, 4E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(8E-11, 6E-10)*	6E-09 *(2E-09, 1E-08)*	1E-08 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	4E-08 *(2E-08, 8E-08)*	1E-07 *(5E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
BERYLLIUM	2E-11 *(1E-11, 3E-11)*	2E-10 *(9E-11, 2E-09)*	2E-09 *(1E-10, 5E-09)*	8E-09 *(2E-10, 9E-09)*	-
CADMIUM	6E-10 *(1E-10, 1E-09)*	4E-08 *(2E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	4E-07 *(4E-07, 4E-07)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	1E-10 *(6E-11, 2E-10)*	4E-09 *(3E-09, 5E-09)*	8E-09 *(8E-09, 1E-08)*	2E-08 *(2E-08, 2E-08)*	-
Additive Risk	6E-09 *(3E-09, 1E-08)*	1E-07 *(8E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	4E-07 *(4E-07, 4E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(3E-07, 6E-06)*	* *	* *	* *	-
ARSENIC	2E-06 *(2E-07, 2E-05)*	6E-05 *(4E-05, 6E-05)*	7E-05 *(6E-05, 9E-05)*	* *	-
BARIUM	6E-08 *(1E-08, 1E-07)*	1E-06 *(8E-07, 1E-06)*	2E-06 *(2E-06, 3E-06)*	5E-06 *(4E-06, 5E-06)*	-
BERYLLIUM	3E-08 *(1E-08, 5E-08)*	4E-07 *(1E-07, 2E-06)*	2E-06 *(2E-07, 6E-06)*	* *	-
CADMIUM	2E-05 *(4E-07, 6E-05)*	* *	* *	* *	-
CHROMIUM (III)	3E-09 *(1E-09, 4E-09)*	4E-08 *(3E-08, 6E-08)*	1E-07 *(8E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(4E-09, 1E-08)*	4E-08 *	* *	* *	-
COBALT	2E-09 *(1E-09, 3E-09)*	2E-08 *(2E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	7E-08 *(6E-08, 7E-08)*	-
MANGANESE	2E-08 *(1E-08, 7E-08)*	4E-07 *	9E-07 *	* *	-
MERCURY (DIVALENT)	8E-06 *(4E-06, 1E-05)*	1E-04 *(4E-05, 2E-04)*	2E-04 *(9E-05, 3E-04)*	* *	-
MERCURY (METHYL)[a]	min: 2E-08	median: 3E-04	max: 5E-03		
NICKEL	6E-08 *(2E-08, 2E-07)*	7E-07 *(3E-07, 7E-07)*	8E-07 *(7E-07, 9E-07)*	1E-06 *(1E-06, 1E-06)*	-
SELENIUM	3E-06 *(5E-07, 6E-06)*	* *	* *	* *	-
SILVER	6E-09 *(4E-09, 9E-09)*	8E-07 *	* *	* *	-
THALLIUM	9E-06 *(9E-07, 3E-05)*	5E-04 *(2E-04, 6E-04)*	8E-04 *(7E-04, 8E-04)*	1E-03 *(1E-03, 1E-03)*	-
Hazard Index	3E-03 *(1E-03, 3E-03)*	4E-03 *(3E-03, 5E-03)*	5E-03 *(4E-03, 6E-03)*	6E-03 *(4E-03, 6E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(3E-06, 2E-05)*	1E-04 *(9E-05, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 9E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	2E-03 *(4E-04, 4E-03)*	6E-03 *(2E-03, 7E-03)*	-
MANGANESE	3E-04 *(2E-04, 4E-04)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(5E-06, 2E-05)*	8E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	6E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 1E-02)*	2E-02 *(9E-03, 2E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-04 *(8E-05, 6E-04)*	1E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D43. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-09 *(1E-09, 8E-09)*	2E-08 *	* *	* *	-
ARSENIC	6E-11 *(8E-12, 8E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 3E-09)*	-
Additive Risk	6E-09 *(3E-09, 1E-08)*	2E-08 *(1E-08, 1E-07)*	9E-08 *(2E-08, 2E-07)*	2E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	8E-11 *(5E-11, 4E-10)*	4E-09 *(1E-09, 6E-09)*	7E-09 *(3E-09, 8E-09)*	1E-08 *(8E-09, 1E-08)*	-
ARSENIC	5E-10 *(2E-10, 1E-09)*	3E-08 *(1E-08, 5E-08)*	7E-08 *(3E-08, 8E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(7E-12, 2E-11)*	1E-10 *(6E-11, 1E-09)*	1E-09 *(8E-11, 3E-09)*	5E-09 *(1E-10, 6E-09)*	-
CADMIUM	4E-10 *(8E-11, 8E-10)*	2E-08 *(2E-08, 3E-08)*	6E-08 *(4E-08, 8E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	1E-09 *(1E-09, 1E-09)*	3E-09 *(2E-09, 3E-09)*	8E-09 *(8E-09, 9E-09)*	-
NICKEL	6E-11 *(4E-11, 1E-10)*	3E-09 *(2E-09, 3E-09)*	5E-09 *(5E-09, 6E-09)*	1E-08 *(1E-08, 1E-08)*	-
Additive Risk	4E-09 *(2E-09, 7E-09)*	8E-08 *(5E-08, 1E-07)*	1E-07 *(1E-07, 1E-07)*	3E-07 *(3E-07, 3E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(2E-07, 3E-06)*	* *	* *	* *	-
ARSENIC	9E-07 *(1E-07, 1E-05)*	3E-05 *(2E-05, 4E-05)*	4E-05 *(3E-05, 4E-05)*	6E-05 *(5E-05, 6E-05)*	-
BARIUM	3E-08 *(9E-09, 9E-08)*	7E-07 *(4E-07, 9E-07)*	1E-06 *(9E-07, 1E-06)*	3E-06 *(2E-06, 3E-06)*	-
BERYLLIUM	1E-08 *(9E-09, 2E-08)*	2E-07 *(9E-08, 1E-06)*	1E-06 *(1E-07, 3E-06)*	7E-06 *(2E-07, 9E-06)*	-
CADMIUM	1E-05 *(2E-07, 3E-05)*	3E-04 *(1E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	2E-08 *(2E-08, 3E-08)*	7E-08 *(4E-08, 8E-08)*	1E-07 *(1E-07, 1E-07)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	2E-08 *	* *	* *	-
COBALT	4E-09 *(3E-09, 9E-09)*	8E-08 *	* *	* *	-
MANGANESE	1E-08 *(9E-09, 4E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	4E-06 *(2E-06, 9E-06)*	7E-05 *(2E-05, 9E-05)*	1E-04 *(5E-05, 1E-04)*	* *	-
MERCURY (METHYL)[a]	min: 1E-08	median: 2E-04	max: 3E-03		
NICKEL	4E-08 *(9E-09, 1E-07)*	4E-07 *(2E-07, 4E-07)*	5E-07 *(4E-07, 5E-07)*	7E-07 *(7E-07, 7E-07)*	-
SELENIUM	1E-06 *(3E-07, 4E-06)*	5E-05 *	* *	* *	-
SILVER	3E-09 *(1E-09, 1E-08)*	5E-07 *	* *	* *	-
THALLIUM	5E-06 *(5E-07, 2E-05)*	3E-04 *(1E-04, 4E-04)*	5E-04 *(5E-04, 6E-04)*	7E-04 *(7E-04, 7E-04)*	-
Hazard Index	1E-03 *(6E-04, 1E-03)*	2E-03 *(1E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(3E-06, 2E-05)*	1E-04 *(9E-05, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 9E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	2E-03 *(4E-04, 4E-03)*	6E-03 *(2E-03, 7E-03)*	-
MANGANESE	3E-04 *(2E-04, 4E-04)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(5E-06, 2E-05)*	8E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	6E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 1E-02)*	2E-02 *(9E-03, 2E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04 *(3E-05, 2E-04)*	5E-04 *	* *	* *	-
TCDD-TEQ	2E-04 *(4E-05, 3E-04)*	7E-04 *(5E-04, 7E-03)*	7E-03 *(6E-04, 7E-03)*	7E-03 *(8E-04, 8E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D44. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-09 *(2E-09, 1E-08)*	3E-08 *	* *	* *	-
ARSENIC	8E-11 *(9E-12, 1E-09)*	3E-09 *	3E-09 *	* *	-
Additive Risk	9E-09 *(3E-09, 2E-08)*	3E-08 *(2E-08, 2E-07)*	2E-07 *(2E-08, 3E-07)*	3E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	9E-11 *(6E-11, 4E-10)*	4E-09 *(1E-09, 7E-09)*	9E-09 *(4E-09, 1E-08)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	6E-10 *(2E-10, 2E-09)*	3E-08 *(1E-08, 6E-08)*	8E-08 *(3E-08, 9E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(8E-12, 2E-11)*	1E-10 *(6E-11, 1E-09)*	1E-09 *(9E-11, 3E-09)*	6E-09 *(2E-10, 7E-09)*	-
CADMIUM	4E-10 *(9E-11, 9E-10)*	3E-08 *(2E-08, 3E-08)*	7E-08 *(5E-08, 9E-08)*	3E-07 *(3E-07, 3E-07)*	-
CHROMIUM (VI)	1E-10 *(1E-10, 2E-10)*	1E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 1E-08)*	-
NICKEL	7E-11 *(4E-11, 1E-10)*	3E-09 *(2E-09, 4E-09)*	6E-09 *(6E-09, 7E-09)*	1E-08 *(1E-08, 1E-08)*	-
Additive Risk	5E-09 *(2E-09, 9E-09)*	9E-08 *(6E-08, 1E-07)*	1E-07 *(1E-07, 2E-07)*	3E-07 *(3E-07, 3E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(2E-07, 4E-06)*	* *	* *	* *	-
ARSENIC	8E-07 *(1E-07, 1E-05)*	4E-05 *(2E-05, 4E-05)*	4E-05 *	4E-05 *	-
BARIUM	1E-08 *(5E-09, 6E-08)*	3E-07 *(2E-07, 4E-07)*	5E-07 *(4E-07, 6E-07)*	1E-06 *(1E-06, 1E-06)*	-
BERYLLIUM	1E-08 *(6E-09, 2E-08)*	9E-08 *(4E-08, 7E-07)*	7E-07 *(6E-08, 2E-06)*	4E-06 *	-
CADMIUM	1E-05 *(2E-07, 3E-05)*	3E-04 *(1E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	* *	-
CHROMIUM (III)	6E-10 *(4E-10, 9E-10)*	9E-09 *(8E-09, 1E-08)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 5E-08)*	-
CHROMIUM (VI)	3E-09 *(1E-09, 8E-09)*	2E-08 *	* *	* *	-
COBALT	4E-09 *(3E-09, 6E-09)*	8E-08 *	* *	* *	-
MANGANESE	1E-08 *(9E-09, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-06 *(9E-07, 3E-06)*	2E-05 *(9E-06, 5E-05)*	5E-05 *(2E-05, 6E-05)*	* *	-
MERCURY (METHYL)[a]	min: 5E-09	median: 2E-04	max: 3E-03		
NICKEL	4E-08 *(8E-09, 1E-07)*	* *	* *	* *	-
SELENIUM	2E-06 *(3E-07, 7E-06)*	5E-05 *	* *	* *	-
SILVER	3E-09 *(1E-09, 7E-09)*	6E-07 *	* *	* *	-
THALLIUM	5E-06 *(6E-07, 1E-05)*	3E-04 *(1E-04, 3E-04)*	5E-04 *(4E-04, 5E-04)*	* *	-
Hazard Index	1E-03 *(7E-04, 1E-03)*	2E-03 *(1E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(3E-06, 2E-05)*	1E-04 *(9E-05, 2E-04)*	2E-04 *(2E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 9E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	2E-03 *(4E-04, 4E-03)*	6E-03 *(2E-03, 7E-03)*	-
MANGANESE	3E-04 *(2E-04, 4E-04)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(4E-03, 4E-03)*	-
MERCURY (ELEMENTAL)	9E-06 *(5E-06, 2E-05)*	8E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	6E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 1E-02)*	2E-02 *(9E-03, 2E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04 *(5E-05, 3E-04)*	6E-04 *(4E-04, 4E-03)*	4E-03 *	* *	-
TCDD-TEQ	2E-04 *(5E-05, 4E-04)*	6E-04 *(5E-04, 8E-03)*	8E-03 *(6E-04, 8E-03)*	8E-03 *(6E-04, 8E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D45. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(1E-09, 2E-08)*	9E-08 *	* *	* *	-
ARSENIC	3E-10 *(1E-10, 9E-10)*	9E-08 *(2E-08, 1E-07)*	1E-07 *(8E-08, 2E-07)*	2E-07 *	-
Additive Risk	3E-08 *(4E-09, 4E-08)*	2E-07 *(8E-08, 5E-07)*	5E-07 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	6E-11 *(4E-11, 1E-10)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	2E-09 *	-
ARSENIC	2E-09 *(9E-10, 1E-08)*	2E-07 *(3E-08, 8E-07)*	8E-07 *(8E-08, 1E-06)*	2E-06 *	-
BERYLLIUM	7E-11 *(3E-11, 3E-10)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 6E-09)*	9E-09 *	-
CADMIUM	3E-09 *(2E-09, 7E-09)*	7E-08 *(2E-08, 3E-07)*	3E-07 *(4E-08, 9E-07)*	2E-06 *	-
CHROMIUM (VI)	8E-09 *(5E-09, 2E-08)*	1E-07 *(5E-08, 3E-07)*	3E-07 *(9E-08, 6E-07)*	8E-07 *	-
NICKEL	4E-10 *(3E-10, 6E-10)*	4E-09 *(2E-09, 6E-09)*	6E-09 *(4E-09, 1E-08)*	1E-08 *	-
Additive Risk	3E-08 *(2E-08, 5E-08)*	4E-07 *(2E-07, 9E-07)*	9E-07 *(3E-07, 3E-06)*	4E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	8E-06 *(9E-07, 9E-05)*	1E-02 *	* *	* *	-
ARSENIC	7E-06 *(4E-06, 2E-05)*	2E-03 *	* *	* *	-
BARIUM	3E-07 *(2E-07, 4E-07)*	3E-06 *(1E-06, 9E-06)*	1E-05 *(2E-06, 3E-05)*	7E-05 *(1E-05, 8E-05)*	-
BERYLLIUM	9E-07 *(1E-07, 1E-06)*	3E-05 *(7E-06, 5E-05)*	5E-05 *(2E-05, 6E-05)*	8E-05 *	-
CADMIUM	9E-05 *(2E-05, 4E-04)*	4E-03 *(1E-03, 1E-02)*	1E-02 *(3E-03, 2E-02)*	2E-02 *	-
CHROMIUM (III)	5E-08 *(2E-08, 8E-08)*	8E-07 *(5E-07, 1E-06)*	2E-06 *(8E-07, 2E-06)*	6E-06 *(2E-06, 8E-06)*	-
CHROMIUM (VI)	5E-07 *(1E-07, 2E-06)*	5E-05 *	* *	* *	-
COBALT	6E-09 *(4E-09, 9E-09)*	7E-08 *(5E-08, 9E-08)*	1E-07 *(8E-08, 1E-07)*	2E-07 *	-
MANGANESE	8E-08 *(4E-08, 1E-07)*	3E-06 *(9E-07, 4E-06)*	4E-06 *	* *	-
MERCURY (DIVALENT)	5E-06 *(2E-06, 8E-06)*	9E-05 *(3E-05, 9E-04)*	7E-04 *(6E-05, 4E-03)*	6E-03 *	-
MERCURY (METHYL)[a]	min: 1E-08	median: 4E-06	max: 3E-03		
NICKEL	4E-07 *(1E-07, 8E-07)*	2E-05 *	* *	* *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	5E-05 *	* *	* *	-
SILVER	5E-09 *(1E-09, 7E-08)*	5E-06 *	* *	* *	-
THALLIUM	3E-06 *(2E-06, 6E-06)*	1E-04 *(1E-05, 4E-03)*	3E-03 *	* *	-
Hazard Index	6E-04 *(3E-04, 1E-03)*	3E-02 *(5E-03, 1E-01)*	1E-01 *(2E-02, 1E-01)*	1E-01 *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(5E-06, 2E-05)*	2E-04 *(5E-05, 3E-04)*	4E-04 *(9E-05, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	2E-03 *(9E-04, 3E-03)*	2E-02 *(8E-03, 3E-02)*	4E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 5E-04)*	3E-03 *(1E-03, 5E-03)*	5E-03 *(2E-03, 6E-03)*	9E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	3E-05 *(1E-05, 4E-05)*	2E-04 *(9E-05, 5E-04)*	5E-04 *(1E-04, 1E-03)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 5E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(5E-05, 1E-03)*	5E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D46. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(9E-10, 2E-08)*	9E-08 *	* *	* *	-
ARSENIC	1E-10 *(9E-11, 7E-10)*	7E-08 *	* *	* *	-
Additive Risk	9E-09 *(3E-09, 4E-08)*	2E-07 *(8E-08, 6E-07)*	5E-07 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 1E-10)*	8E-10 *(4E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	3E-09 *	-
ARSENIC	3E-09 *(1E-09, 1E-08)*	2E-07 *(4E-08, 9E-07)*	9E-07 *(9E-08, 2E-06)*	2E-06 *	-
BERYLLIUM	8E-11 *(3E-11, 3E-10)*	3E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 7E-09)*	1E-08 *	-
CADMIUM	4E-09 *(2E-09, 8E-09)*	8E-08 *(3E-08, 4E-07)*	3E-07 *(5E-08, 1E-06)*	2E-06 *	-
CHROMIUM (VI)	1E-08 *(6E-09, 2E-08)*	1E-07 *(5E-08, 3E-07)*	3E-07 *(1E-07, 6E-07)*	1E-06 *	-
NICKEL	5E-10 *(3E-10, 7E-10)*	4E-09 *(2E-09, 7E-09)*	7E-09 *(4E-09, 1E-08)*	2E-08 *	-
Additive Risk	3E-08 *(2E-08, 6E-08)*	5E-07 *(2E-07, 1E-06)*	1E-06 *(4E-07, 3E-06)*	5E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06 *(3E-07, 3E-05)*	8E-03 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 1E-05)*	9E-04 *(1E-04, 2E-03)*	2E-03 *	3E-03 *	-
BARIUM	1E-07 *(6E-08, 1E-07)*	9E-07 *(4E-07, 2E-06)*	3E-06 *(6E-07, 7E-06)*	2E-05 *(3E-06, 2E-05)*	-
BERYLLIUM	3E-07 *(4E-08, 6E-07)*	9E-06 *(2E-06, 2E-05)*	2E-05 *(5E-06, 3E-05)*	3E-05 *	-
CADMIUM	7E-05 *(9E-06, 2E-04)*	3E-03 *	* *	* *	-
CHROMIUM (III)	1E-08 *(7E-09, 2E-08)*	2E-07 *(1E-07, 4E-07)*	4E-07 *(2E-07, 6E-07)*	1E-06 *(5E-07, 2E-06)*	-
CHROMIUM (VI)	2E-07 *(5E-08, 9E-07)*	3E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(5E-08, 6E-08)*	-
MANGANESE	3E-08 *(9E-09, 5E-08)*	2E-06 *(4E-07, 2E-06)*	2E-06 *	* *	-
MERCURY (DIVALENT)	1E-06 *(7E-07, 2E-06)*	2E-05 *(9E-06, 2E-04)*	2E-04 *(1E-05, 8E-04)*	* *	-
MERCURY (METHYL)[a]	min: 3E-09	median: 9E-07	max: 2E-03		
NICKEL	1E-07 *(3E-08, 4E-07)*	1E-05 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	4E-05 *	* *	* *	-
SILVER	2E-09 *(5E-10, 4E-08)*	3E-06 *	* *	* *	-
THALLIUM	2E-06 *(1E-06, 3E-06)*	5E-05 *	* *	* *	-
Hazard Index	4E-04 *(1E-04, 6E-04)*	2E-02 *(3E-03, 7E-02)*	7E-02 *(1E-02, 7E-02)*	7E-02 *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(5E-06, 2E-05)*	2E-04 *(5E-05, 3E-04)*	4E-04 *(9E-05, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	2E-03 *(9E-04, 3E-03)*	2E-02 *(8E-03, 3E-02)*	4E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 5E-04)*	3E-03 *(1E-03, 5E-03)*	5E-03 *(2E-03, 6E-03)*	9E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	3E-05 *(1E-05, 4E-05)*	2E-04 *(9E-05, 5E-04)*	5E-04 *(1E-04, 1E-03)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 5E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(3E-05, 1E-03)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D47. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(5E-10, 1E-08)*	6E-08 *	* *	* *	-
ARSENIC	9E-11 *(6E-11, 4E-10)*	4E-08 *	* *	* *	-
Additive Risk	6E-09 *(2E-09, 2E-08)*	1E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 9E-11)*	5E-10 *(2E-10, 8E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	2E-09 *(6E-10, 8E-09)*	1E-07 *(2E-08, 6E-07)*	6E-07 *(6E-08, 1E-06)*	1E-06 *	-
BERYLLIUM	5E-11 *(2E-11, 2E-10)*	2E-09 *(9E-10, 3E-09)*	3E-09 *(1E-09, 5E-09)*	7E-09 *	-
CADMIUM	3E-09 *(1E-09, 5E-09)*	5E-08 *(2E-08, 2E-07)*	2E-07 *(3E-08, 7E-07)*	1E-06 *	-
CHROMIUM (VI)	6E-09 *(4E-09, 1E-08)*	9E-08 *(3E-08, 2E-07)*	2E-07 *(7E-08, 4E-07)*	6E-07 *	-
NICKEL	3E-10 *(2E-10, 5E-10)*	3E-09 *(1E-09, 4E-09)*	5E-09 *(3E-09, 7E-09)*	1E-08 *	-
Additive Risk	2E-08 *(1E-08, 4E-08)*	3E-07 *(1E-07, 7E-07)*	7E-07 *(2E-07, 2E-06)*	3E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-06 *(1E-07, 2E-05)*	6E-03 *	* *	* *	-
ARSENIC	2E-06 *(9E-07, 7E-06)*	9E-04 *	* *	* *	-
BARIUM	7E-08 *(3E-08, 9E-08)*	5E-07 *(2E-07, 1E-06)*	1E-06 *(3E-07, 4E-06)*	9E-06 *(2E-06, 1E-05)*	-
BERYLLIUM	1E-07 *(2E-08, 3E-07)*	5E-06 *	* *	* *	-
CADMIUM	4E-05 *(5E-06, 1E-04)*	2E-03 *	* *	* *	-
CHROMIUM (III)	7E-09 *(3E-09, 1E-08)*	1E-07 *(7E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
CHROMIUM (VI)	9E-08 *(2E-08, 8E-07)*	2E-05 *	* *	* *	-
COBALT	4E-09 *(2E-09, 9E-09)*	4E-07 *(8E-08, 5E-07)*	5E-07 *(3E-07, 6E-07)*	6E-07 *	-
MANGANESE	1E-08 *(6E-09, 3E-08)*	9E-07 *	* *	* *	-
MERCURY (DIVALENT)	6E-07 *(4E-07, 1E-06)*	1E-05 *(5E-06, 1E-04)*	9E-05 *(8E-06, 5E-04)*	* *	-
MERCURY (METHYL)[a]	min: 1E-09	median: 5E-07	max: 1E-03		
NICKEL	9E-08 *(2E-08, 2E-07)*	9E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	1E-09 *(2E-10, 2E-08)*	2E-06 *	* *	* *	-
THALLIUM	9E-07 *(5E-07, 1E-06)*	5E-05 *	* *	* *	-
Hazard Index	2E-04 *(1E-04, 3E-04)*	1E-02 *(2E-03, 5E-02)*	5E-02 *(9E-03, 5E-02)*	5E-02 *(1E-02, 5E-02)*	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(5E-06, 2E-05)*	2E-04 *(5E-05, 3E-04)*	4E-04 *(9E-05, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	2E-03 *(9E-04, 3E-03)*	2E-02 *(8E-03, 3E-02)*	4E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 5E-04)*	3E-03 *(1E-03, 5E-03)*	5E-03 *(2E-03, 6E-03)*	9E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	3E-05 *(1E-05, 4E-05)*	2E-04 *(9E-05, 5E-04)*	5E-04 *(1E-04, 1E-03)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 5E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-05 *(1E-05, 6E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 8E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(1E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D48. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(8E-10, 2E-08)*	8E-08 *	* *	* *	-
ARSENIC	1E-10 *(8E-11, 6E-10)*	8E-08 *	* *	* *	-
Additive Risk	5E-09 *(2E-09, 4E-08)*	2E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 1E-10)*	6E-10 *(3E-10, 9E-10)*	9E-10 *(5E-10, 2E-09)*	2E-09 *	-
ARSENIC	2E-09 *(7E-10, 9E-09)*	2E-07 *(3E-08, 7E-07)*	7E-07 *(7E-08, 1E-06)*	2E-06 *	-
BERYLLIUM	6E-11 *(2E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 5E-09)*	8E-09 *	-
CADMIUM	3E-09 *(2E-09, 6E-09)*	6E-08 *(2E-08, 3E-07)*	2E-07 *(4E-08, 8E-07)*	1E-06 *	-
CHROMIUM (VI)	7E-09 *(4E-09, 1E-08)*	1E-07 *(4E-08, 2E-07)*	2E-07 *(8E-08, 5E-07)*	7E-07 *	-
NICKEL	3E-10 *(2E-10, 5E-10)*	3E-09 *(2E-09, 5E-09)*	5E-09 *(3E-09, 8E-09)*	1E-08 *	-
Additive Risk	2E-08 *(1E-08, 4E-08)*	3E-07 *(2E-07, 8E-07)*	8E-07 *(3E-07, 2E-06)*	4E-06 *	-
Non-Cancer - Ingestion					
ANTIMONY	8E-07 *(8E-08, 1E-05)*	7E-03 *	* *	* *	-
ARSENIC	1E-06 *(9E-07, 8E-06)*	9E-04 *	* *	* *	-
BARIUM	4E-08 *(1E-08, 8E-08)*	2E-07 *(1E-07, 6E-07)*	7E-07 *(2E-07, 1E-06)*	3E-06 *(8E-07, 4E-06)*	-
BERYLLIUM	9E-08 *(9E-09, 3E-07)*	2E-06 *	* *	* *	-
CADMIUM	3E-05 *(5E-06, 1E-04)*	2E-03 *	* *	* *	-
CHROMIUM (III)	3E-09 *(1E-09, 4E-09)*	5E-08 *(2E-08, 8E-08)*	9E-08 *(5E-08, 1E-07)*	3E-07 *(1E-07, 4E-07)*	-
CHROMIUM (VI)	6E-08 *(2E-08, 8E-07)*	2E-05 *	* *	* *	-
COBALT	2E-09 *(1E-09, 9E-09)*	4E-07 *	* *	* *	-
MANGANESE	7E-09 *(3E-09, 3E-08)*	9E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-07 *(1E-07, 4E-07)*	5E-06 *(2E-06, 6E-05)*	3E-05 *(3E-06, 2E-04)*	3E-04 *(9E-06, 4E-04)*	-
MERCURY (METHYL)[a]	min: 6E-10	median: 3E-07	max: 1E-03		
NICKEL	6E-08 *(1E-08, 2E-07)*	9E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	1E-09 *(2E-10, 3E-08)*	2E-06 *	* *	* *	-
THALLIUM	9E-07 *(5E-07, 1E-06)*	3E-05 *	* *	* *	-
Hazard Index	2E-04 *(1E-04, 4E-04)*	1E-02 *(2E-03, 6E-02)*	6E-02 *(1E-02, 6E-02)*	6E-02 *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(5E-06, 2E-05)*	2E-04 *(5E-05, 3E-04)*	4E-04 *(9E-05, 6E-04)*	1E-03 *	-
CHLORINE (CL2)	2E-03 *(9E-04, 3E-03)*	2E-02 *(8E-03, 3E-02)*	4E-02 *(2E-02, 5E-02)*	8E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 5E-04)*	3E-03 *(1E-03, 5E-03)*	5E-03 *(2E-03, 6E-03)*	9E-03 *	-
MANGANESE	2E-04 *(2E-04, 3E-04)*	1E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *	-
MERCURY (ELEMENTAL)	3E-05 *(1E-05, 4E-05)*	2E-04 *(9E-05, 5E-04)*	5E-04 *(1E-04, 1E-03)*	2E-03 *	-
Hazard Index	3E-03 *(2E-03, 5E-03)*	2E-02 *(1E-02, 3E-02)*	4E-02 *(2E-02, 5E-02)*	9E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(2E-05, 8E-04)*	2E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 9E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(2E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D49. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-10 *(1E-10, 1E-09)*	2E-09 *	3E-09 *	5E-09 *	-
ARSENIC	9E-12 *(5E-12, 1E-10)*	8E-10 *(3E-10, 9E-10)*	9E-10 *(4E-10, 1E-09)*	1E-09 *	-
Additive Risk	1E-09 *(4E-10, 2E-09)*	2E-09 *(2E-09, 4E-09)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(2E-09, 6E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	8E-12 *(4E-12, 2E-11)*	2E-10 *(6E-11, 3E-10)*	3E-10 *(1E-10, 5E-10)*	8E-10 *	-
ARSENIC	5E-11 *(2E-11, 4E-10)*	6E-09 *(2E-09, 9E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 4E-12)*	3E-11 *(1E-11, 4E-11)*	5E-11 *(2E-11, 8E-11)*	2E-10 *	-
CADMIUM	4E-11 *(2E-11, 6E-11)*	3E-10 *(2E-10, 7E-10)*	9E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	3E-09 *(2E-09, 6E-09)*	7E-09 *(2E-09, 2E-08)*	2E-08 *	-
NICKEL	1E-11 *(8E-12, 2E-11)*	1E-10 *(9E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	6E-10 *	-
Additive Risk	7E-10 *(3E-10, 1E-09)*	1E-08 *(5E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-08 *(6E-09, 5E-08)*	3E-06 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 3E-06)*	2E-05 *(8E-06, 2E-05)*	2E-05 *(1E-05, 3E-05)*	* *	-
BARIUM	1E-08 *(6E-09, 4E-08)*	4E-07 *(2E-07, 5E-07)*	6E-07 *(4E-07, 1E-06)*	2E-06 *(8E-07, 3E-06)*	-
BERYLLIUM	1E-08 *(6E-09, 2E-08)*	1E-07 *(5E-08, 1E-07)*	2E-07 *(1E-07, 2E-07)*	5E-07 *(2E-07, 6E-07)*	-
CADMIUM	1E-06 *(8E-07, 3E-06)*	5E-06 *	* *	* *	-
CHROMIUM (III)	7E-10 *(2E-10, 1E-09)*	2E-08 *(9E-09, 4E-08)*	6E-08 *(2E-08, 9E-08)*	1E-07 *(8E-08, 2E-07)*	-
CHROMIUM (VI)	1E-08 *(7E-09, 2E-08)*	5E-07 *	* *	* *	-
COBALT	8E-10 *(5E-10, 1E-09)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	6E-08 *(4E-08, 7E-08)*	-
MANGANESE	2E-08 *(9E-09, 3E-08)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	3E-07 *(9E-08, 2E-06)*	4E-05 *(9E-06, 9E-05)*	9E-05 *(2E-05, 2E-04)*	7E-04 *	-
MERCURY (METHYL)[a]	min: 4E-09	median: 9E-06	max: 1E-02		
NICKEL	9E-09 *(5E-09, 1E-08)*	3E-07 *	* *	* *	-
SELENIUM	3E-07 *(6E-08, 7E-07)*	4E-06 *	* *	* *	-
SILVER	4E-09 *(3E-10, 8E-08)*	4E-07 *	* *	* *	-
THALLIUM	7E-07 *(3E-07, 1E-06)*	5E-05 *(2E-06, 8E-05)*	8E-05 *(9E-06, 1E-04)*	* *	-
Hazard Index	7E-05 *(2E-05, 1E-04)*	1E-03 *(2E-04, 1E-02)*	1E-02 *(7E-04, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(4E-07, 2E-06)*	2E-05 *(9E-06, 3E-05)*	4E-05 *(2E-05, 7E-05)*	1E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 7E-04)*	7E-03 *(3E-03, 1E-02)*	2E-02 *(7E-03, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	6E-05 *(2E-05, 1E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	6E-03 *	-
MANGANESE	5E-05 *(3E-05, 6E-05)*	4E-04 *(2E-04, 6E-04)*	7E-04 *(4E-04, 8E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	6E-06 *(2E-06, 2E-05)*	2E-05 *(4E-06, 8E-05)*	2E-04 *	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *(9E-03, 3E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(6E-06, 6E-05)*	8E-05 *(7E-05, 1E-04)*	1E-04 *	2E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D50. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-10 *(9E-11, 1E-09)*	2E-09 *	3E-09 *	4E-09 *	-
ARSENIC	7E-12 *(4E-12, 9E-11)*	5E-10 *	* *	* *	-
Additive Risk	1E-09 *(2E-10, 1E-09)*	2E-09 *(2E-09, 4E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	9E-12 *(5E-12, 2E-11)*	2E-10 *(7E-11, 3E-10)*	4E-10 *(2E-10, 6E-10)*	9E-10 *	-
ARSENIC	6E-11 *(2E-11, 4E-10)*	7E-09 *(2E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	2E-08 *	-
BERYLLIUM	3E-12 *(1E-12, 4E-12)*	3E-11 *(2E-11, 5E-11)*	5E-11 *(3E-11, 1E-10)*	2E-10 *	-
CADMIUM	5E-11 *(3E-11, 6E-11)*	4E-10 *(2E-10, 8E-10)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(2E-10, 4E-10)*	3E-09 *(2E-09, 7E-09)*	8E-09 *(3E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(9E-12, 3E-11)*	2E-10 *(1E-10, 3E-10)*	3E-10 *(2E-10, 4E-10)*	7E-10 *	-
Additive Risk	8E-10 *(4E-10, 2E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(1E-09, 2E-08)*	1E-06 *	* *	* *	-
ARSENIC	1E-07 *(7E-08, 1E-06)*	8E-06 *	* *	* *	-
BARIUM	4E-09 *(2E-09, 9E-09)*	2E-07 *(7E-08, 3E-07)*	3E-07 *(1E-07, 4E-07)*	5E-07 *(2E-07, 7E-07)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	4E-08 *(2E-08, 5E-08)*	6E-08 *(3E-08, 8E-08)*	1E-07 *(8E-08, 2E-07)*	-
CADMIUM	7E-07 *(5E-07, 2E-06)*	3E-06 *	* *	* *	-
CHROMIUM (III)	2E-10 *(7E-11, 4E-10)*	5E-09 *(2E-09, 9E-09)*	1E-08 *(5E-09, 2E-08)*	4E-08 *(2E-08, 6E-08)*	-
CHROMIUM (VI)	5E-09 *(3E-09, 1E-08)*	2E-07 *	* *	* *	-
COBALT	2E-10 *(1E-10, 3E-10)*	3E-09 *(2E-09, 5E-09)*	7E-09 *(3E-09, 9E-09)*	* *	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	4E-08 *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(2E-08, 5E-07)*	9E-06 *(2E-06, 2E-05)*	2E-05 *(5E-06, 6E-05)*	2E-04 *(1E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 8E-06	max: 8E-03		
NICKEL	4E-09 *(2E-09, 8E-09)*	1E-07 *	* *	* *	-
SELENIUM	2E-07 *(5E-08, 5E-07)*	3E-06 *	* *	* *	-
SILVER	2E-09 *(9E-11, 4E-08)*	3E-07 *	* *	* *	-
THALLIUM	4E-07 *(2E-07, 9E-07)*	3E-05 *(1E-06, 7E-05)*	6E-05 *(7E-06, 8E-05)*	* *	-
Hazard Index	4E-05 *(1E-05, 1E-04)*	8E-04 *(1E-04, 8E-03)*	8E-03 *(5E-04, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(4E-07, 2E-06)*	2E-05 *(9E-06, 3E-05)*	4E-05 *(2E-05, 7E-05)*	1E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 7E-04)*	7E-03 *(3E-03, 1E-02)*	2E-02 *(7E-03, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	6E-05 *(2E-05, 1E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	6E-03 *	-
MANGANESE	5E-05 *(3E-05, 6E-05)*	4E-04 *(2E-04, 6E-04)*	7E-04 *(4E-04, 8E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	6E-06 *(2E-06, 2E-05)*	2E-05 *(4E-06, 8E-05)*	2E-04 *	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *(9E-03, 3E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-05 *(4E-06, 4E-05)*	6E-05 *(4E-05, 9E-05)*	8E-05 *(5E-05, 9E-05)*	1E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D51. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-10 *(6E-11, 6E-10)*	9E-10 *	* *	* *	-
ARSENIC	4E-12 *(2E-12, 5E-11)*	3E-10 *	* *	* *	-
Additive Risk	6E-10 *(1E-10, 8E-10)*	9E-10 *(8E-10, 2E-09)*	1E-09 *(9E-10, 2E-09)*	2E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	6E-12 *(3E-12, 1E-11)*	1E-10 *(5E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	6E-10 *	-
ARSENIC	4E-11 *(1E-11, 3E-10)*	5E-09 *(1E-09, 7E-09)*	9E-09 *(4E-09, 1E-08)*	2E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 3E-11)*	3E-11 *(2E-11, 6E-11)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(1E-10, 5E-10)*	6E-10 *(3E-10, 9E-10)*	1E-09 *	-
CHROMIUM (VI)	1E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 5E-09)*	5E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	9E-12 *(6E-12, 2E-11)*	1E-10 *(6E-11, 2E-10)*	2E-10 *(1E-10, 3E-10)*	5E-10 *	-
Additive Risk	5E-10 *(3E-10, 1E-09)*	9E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(9E-10, 1E-08)*	8E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 9E-07)*	5E-06 *	* *	* *	-
BARIUM	2E-09 *(9E-10, 6E-09)*	1E-07 *(4E-08, 1E-07)*	1E-07 *(7E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	-
BERYLLIUM	2E-09 *(1E-09, 4E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 5E-08)*	7E-08 *	-
CADMIUM	4E-07 *(3E-07, 9E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	9E-11 *(3E-11, 2E-10)*	2E-09 *(1E-09, 6E-09)*	9E-09 *(2E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	-
CHROMIUM (VI)	3E-09 *(1E-09, 7E-09)*	1E-07 *	* *	* *	-
COBALT	1E-09 *(4E-10, 3E-09)*	9E-09 *	* *	* *	-
MANGANESE	5E-09 *(1E-09, 8E-09)*	2E-08 *	* *	* *	-
MERCURY (DIVALENT)	5E-08 *(1E-08, 2E-07)*	5E-06 *(1E-06, 1E-05)*	1E-05 *(3E-06, 3E-05)*	7E-05 *(9E-06, 1E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 4E-06	max: 4E-03		
NICKEL	2E-09 *(1E-09, 5E-09)*	8E-08 *	* *	* *	-
SELENIUM	9E-08 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	1E-09 *(4E-11, 2E-08)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(9E-08, 7E-07)*	2E-05 *(8E-07, 4E-05)*	3E-05 *(4E-06, 5E-05)*	5E-05 *	-
Hazard Index	2E-05 *(7E-06, 6E-05)*	4E-04 *(7E-05, 4E-03)*	4E-03 *(3E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(4E-07, 2E-06)*	2E-05 *(9E-06, 3E-05)*	4E-05 *(2E-05, 7E-05)*	1E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 7E-04)*	7E-03 *(3E-03, 1E-02)*	2E-02 *(7E-03, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	6E-05 *(2E-05, 1E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	6E-03 *	-
MANGANESE	5E-05 *(3E-05, 6E-05)*	4E-04 *(2E-04, 6E-04)*	7E-04 *(4E-04, 8E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	6E-06 *(2E-06, 2E-05)*	2E-05 *(4E-06, 8E-05)*	2E-04 *	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *(9E-03, 3E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	7E-06 *(1E-06, 1E-05)*	2E-05 *	4E-05 *	6E-05 *	-
TCDD-TEQ	9E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 7E-05)*	7E-05 *(3E-05, 7E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D52. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-10 *(9E-11, 9E-10)*	1E-09 *	1E-09 *	3E-09 *	-
ARSENIC	7E-12 *(2E-12, 7E-11)*	4E-10 *	* *	* *	-
Additive Risk	9E-10 *(2E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(1E-09, 3E-09)*	3E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	7E-12 *(4E-12, 1E-11)*	2E-10 *(5E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	7E-10 *	-
ARSENIC	4E-11 *(1E-11, 3E-10)*	5E-09 *(2E-09, 8E-09)*	1E-08 *(5E-09, 1E-08)*	2E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 3E-11)*	4E-11 *(2E-11, 7E-11)*	2E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 5E-09)*	6E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	1E-11 *(6E-12, 2E-11)*	1E-10 *(7E-11, 2E-10)*	2E-10 *(1E-10, 3E-10)*	5E-10 *	-
Additive Risk	6E-10 *(3E-10, 1E-09)*	1E-08 *(4E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-09 *(4E-10, 2E-08)*	1E-06 *	* *	* *	-
ARSENIC	8E-08 *(3E-08, 8E-07)*	5E-06 *	* *	* *	-
BARIUM	1E-09 *(5E-10, 2E-09)*	9E-08 *	* *	* *	-
BERYLLIUM	1E-09 *(9E-10, 3E-09)*	1E-08 *(7E-09, 3E-08)*	3E-08 *(9E-09, 4E-08)*	4E-08 *	-
CADMIUM	4E-07 *(3E-07, 8E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	5E-11 *(1E-11, 9E-11)*	1E-09 *(5E-10, 2E-09)*	4E-09 *(1E-09, 5E-09)*	8E-09 *(5E-09, 1E-08)*	-
CHROMIUM (VI)	3E-09 *(1E-09, 7E-09)*	1E-07 *	* *	* *	-
COBALT	9E-10 *(2E-10, 3E-09)*	9E-09 *	* *	* *	-
MANGANESE	3E-09 *(7E-10, 8E-09)*	3E-08 *	* *	* *	-
MERCURY (DIVALENT)	2E-08 *(6E-09, 1E-07)*	2E-06 *(6E-07, 5E-06)*	5E-06 *(1E-06, 1E-05)*	4E-05 *(3E-06, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 5E-06	max: 5E-03		
NICKEL	2E-09 *(1E-09, 5E-09)*	1E-07 *	* *	* *	-
SELENIUM	1E-07 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	1E-09 *(2E-11, 2E-08)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 6E-07)*	2E-05 *(8E-07, 3E-05)*	3E-05 *	* *	-
Hazard Index	3E-05 *(6E-06, 6E-05)*	5E-04 *(9E-05, 5E-03)*	5E-03 *(3E-04, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(4E-07, 2E-06)*	2E-05 *(9E-06, 3E-05)*	4E-05 *(2E-05, 7E-05)*	1E-04 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 7E-04)*	7E-03 *(3E-03, 1E-02)*	2E-02 *(7E-03, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	6E-05 *(2E-05, 1E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	6E-03 *	-
MANGANESE	5E-05 *(3E-05, 6E-05)*	4E-04 *(2E-04, 6E-04)*	7E-04 *(4E-04, 8E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	6E-06 *(2E-06, 2E-05)*	2E-05 *(4E-06, 8E-05)*	2E-04 *	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	9E-03 *(4E-03, 2E-02)*	2E-02 *(9E-03, 3E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-06 *(2E-06, 2E-05)*	3E-05 *	* *	* *	-
TCDD-TEQ	5E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 8E-05)*	8E-05 *(3E-05, 8E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D53. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-08 *(3E-08, 9E-08)*	3E-07 *	* *	* *	-
ARSENIC	1E-10 *(9E-11, 2E-10)*	3E-09 *	* *	* *	-
Additive Risk	7E-08 *(3E-08, 1E-07)*	3E-07 *(2E-07, 4E-07)*	4E-07 *(3E-07, 4E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 5E-10)*	1E-09 *(9E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	3E-10 *(2E-10, 4E-10)*	3E-09 *(1E-09, 5E-09)*	6E-09 *(2E-09, 7E-09)*	1E-08 *(9E-09, 1E-08)*	-
BERYLLIUM	3E-11 *(3E-11, 5E-11)*	3E-10 *(3E-10, 4E-10)*	5E-10 *(4E-10, 6E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	1E-09 *(1E-09, 2E-09)*	5E-09 *(5E-09, 5E-09)*	8E-09 *(7E-09, 8E-09)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 4E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *	-
NICKEL	6E-11 *(6E-11, 8E-11)*	9E-10 *(2E-10, 2E-09)*	2E-09 *(9E-10, 2E-09)*	7E-09 *(7E-09, 7E-09)*	-
Additive Risk	3E-09 *(2E-09, 3E-09)*	1E-08 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	2E-07 *(2E-07, 2E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-07 *(5E-07, 1E-06)*	4E-05 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 6E-06)*	7E-05 *	* *	* *	-
BARIUM	1E-06 *(9E-07, 1E-06)*	2E-05 *(8E-06, 7E-05)*	8E-05 *(2E-05, 1E-04)*	* *	-
BERYLLIUM	8E-07 *(5E-07, 9E-07)*	8E-06 *(5E-06, 1E-05)*	1E-05 *(8E-06, 2E-05)*	* *	-
CADMIUM	1E-04 *(9E-05, 2E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(2E-03, 2E-03)*	* *	-
CHROMIUM (III)	2E-08 *(2E-08, 3E-08)*	2E-07 *(2E-07, 2E-07)*	4E-07 *(4E-07, 5E-07)*	* *	-
CHROMIUM (VI)	3E-08 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
COBALT	2E-08 *(2E-08, 3E-08)*	1E-07 *(1E-07, 2E-07)*	2E-07 *(2E-07, 2E-07)*	3E-07 *(3E-07, 3E-07)*	-
MANGANESE	3E-08 *(2E-08, 4E-08)*	6E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-04 *(9E-05, 2E-04)*	7E-04 *(5E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	8E-03 *	-
MERCURY (METHYL)[a]	min: 7E-05	median: 2E-02	max: 3E-01		
NICKEL	1E-07 *(7E-08, 2E-07)*	5E-06 *(9E-07, 5E-06)*	6E-06 *(6E-06, 6E-06)*	* *	-
SELENIUM	8E-05 *(6E-05, 9E-05)*	2E-03 *(4E-04, 3E-03)*	* *	* *	-
SILVER	4E-09 *(3E-09, 3E-08)*	2E-06 *(9E-08, 5E-06)*	8E-06 *(7E-06, 8E-06)*	* *	-
THALLIUM	6E-05 *(4E-05, 2E-04)*	5E-03 *(2E-03, 7E-03)*	8E-03 *(4E-03, 9E-03)*	* *	-
Hazard Index	3E-02 *(9E-03, 6E-02)*	8E-02 *(8E-02, 3E-01)*	3E-01 *(8E-02, 3E-01)*	3E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-03 *(1E-03, 5E-03)*	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D54. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-08 *(2E-08, 8E-08)*	3E-07 *	* *	* *	-
ARSENIC	7E-11 *(5E-11, 1E-10)*	2E-09 *	* *	* *	-
Additive Risk	7E-08 *(3E-08, 1E-07)*	3E-07 *(2E-07, 4E-07)*	4E-07 *(3E-07, 4E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-10 *(3E-10, 5E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(2E-09, 2E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	3E-10 *(2E-10, 5E-10)*	3E-09 *(1E-09, 6E-09)*	7E-09 *(3E-09, 8E-09)*	1E-08 *(1E-08, 1E-08)*	-
BERYLLIUM	4E-11 *(3E-11, 5E-11)*	4E-10 *(3E-10, 5E-10)*	6E-10 *(4E-10, 7E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	2E-09 *(1E-09, 2E-09)*	5E-09 *(5E-09, 6E-09)*	9E-09 *(8E-09, 9E-09)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	4E-10 *(2E-10, 5E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	3E-09 *	-
NICKEL	7E-11 *(6E-11, 9E-11)*	1E-09 *(2E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	8E-09 *(8E-09, 8E-09)*	-
Additive Risk	3E-09 *(3E-09, 4E-09)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(2E-08, 2E-08)*	2E-07 *(2E-07, 2E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(2E-07, 6E-07)*	2E-05 *	* *	* *	-
ARSENIC	1E-06 *(9E-07, 2E-06)*	4E-05 *	* *	* *	-
BARIUM	3E-07 *(2E-07, 4E-07)*	7E-06 *(2E-06, 2E-05)*	3E-05 *(5E-06, 4E-05)*	6E-05 *	-
BERYLLIUM	2E-07 *(1E-07, 3E-07)*	3E-06 *(1E-06, 6E-06)*	6E-06 *(2E-06, 8E-06)*	* *	-
CADMIUM	7E-05 *(5E-05, 1E-04)*	8E-04 *(8E-04, 8E-04)*	1E-03 *(1E-03, 1E-03)*	* *	-
CHROMIUM (III)	7E-09 *(5E-09, 8E-09)*	6E-08 *(5E-08, 7E-08)*	9E-08 *(9E-08, 1E-07)*	3E-07 *(3E-07, 3E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 5E-08)*	2E-07 *	* *	* *	-
COBALT	6E-09 *(5E-09, 7E-09)*	4E-08 *(4E-08, 5E-08)*	6E-08 *(5E-08, 6E-08)*	9E-08 *(8E-08, 9E-08)*	-
MANGANESE	9E-09 *(8E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	5E-05 *(2E-05, 7E-05)*	2E-04 *(1E-04, 3E-04)*	3E-04 *(2E-04, 5E-04)*	2E-03 *	-
MERCURY (METHYL)[a]	min: 5E-05	median: 1E-02	max: 2E-01		
NICKEL	5E-08 *(3E-08, 9E-08)*	2E-06 *(4E-07, 2E-06)*	3E-06 *(3E-06, 3E-06)*	9E-06 *(9E-06, 9E-06)*	-
SELENIUM	6E-05 *(5E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	* *	* *	-
SILVER	2E-09 *(9E-10, 1E-08)*	1E-06 *(6E-08, 2E-06)*	4E-06 *(3E-06, 4E-06)*	* *	-
THALLIUM	4E-05 *(2E-05, 1E-04)*	3E-03 *	* *	* *	-
Hazard Index	2E-02 *(6E-03, 5E-02)*	6E-02 *(6E-02, 2E-01)*	2E-01 *(6E-02, 2E-01)*	2E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-03 *(8E-04, 4E-03)*	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D55. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-08 *(1E-08, 6E-08)*	* *	* *	* *	-
ARSENIC	4E-11 *(3E-11, 9E-11)*	1E-09 *	* *	* *	-
Additive Risk	4E-08 *(1E-08, 7E-08)*	2E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(2E-10, 3E-10)*	8E-10 *(7E-10, 9E-10)*	1E-09 *(1E-09, 1E-09)*	9E-09 *(9E-09, 9E-09)*	-
ARSENIC	2E-10 *(1E-10, 3E-10)*	2E-09 *(9E-10, 4E-09)*	5E-09 *(2E-09, 5E-09)*	8E-09 *(7E-09, 8E-09)*	-
BERYLLIUM	2E-11 *(2E-11, 3E-11)*	2E-10 *(2E-10, 3E-10)*	4E-10 *(3E-10, 4E-10)*	9E-10 *(9E-10, 9E-10)*	-
CADMIUM	1E-09 *(8E-10, 1E-09)*	4E-09 *(3E-09, 4E-09)*	6E-09 *(5E-09, 6E-09)*	1E-07 *(1E-07, 1E-07)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	1E-09 *(8E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *	-
NICKEL	5E-11 *(4E-11, 6E-11)*	7E-10 *(2E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	5E-09 *(5E-09, 5E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(1E-08, 1E-08)*	2E-07 *(2E-07, 2E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(1E-07, 3E-07)*	1E-05 *	* *	* *	-
ARSENIC	7E-07 *(6E-07, 1E-06)*	2E-05 *	* *	* *	-
BARIUM	2E-07 *(1E-07, 2E-07)*	4E-06 *(1E-06, 1E-05)*	1E-05 *(3E-06, 2E-05)*	3E-05 *	-
BERYLLIUM	1E-07 *(9E-08, 1E-07)*	1E-06 *(7E-07, 3E-06)*	3E-06 *(1E-06, 4E-06)*	* *	-
CADMIUM	4E-05 *(2E-05, 7E-05)*	5E-04 *(5E-04, 5E-04)*	7E-04 *(7E-04, 7E-04)*	* *	-
CHROMIUM (III)	3E-09 *(3E-09, 4E-09)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(5E-08, 6E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	9E-09 *(5E-09, 2E-08)*	1E-07 *(9E-08, 3E-07)*	4E-07 *(1E-07, 6E-07)*	* *	-
COBALT	9E-09 *(7E-09, 1E-08)*	2E-07 *	* *	* *	-
MANGANESE	6E-09 *(4E-09, 9E-09)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-05 *(1E-05, 4E-05)*	1E-04 *(8E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	* *	-
MERCURY (METHYL)[a]	min: 3E-05	median: 7E-03	max: 1E-01		
NICKEL	3E-08 *(1E-08, 5E-08)*	1E-06 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	5E-04 *(2E-04, 7E-04)*	* *	* *	-
SILVER	9E-10 *(6E-10, 7E-09)*	9E-07 *(4E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	2E-05 *(1E-05, 8E-05)*	2E-03 *(6E-04, 3E-03)*	3E-03 *(1E-03, 4E-03)*	5E-03 *	-
Hazard Index	1E-02 *(3E-03, 2E-02)*	3E-02 *(3E-02, 1E-01)*	1E-01 *(3E-02, 1E-01)*	1E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	9E-04 *(4E-04, 1E-03)*	4E-03 *(3E-03, 4E-03)*	5E-03 *(4E-03, 5E-03)*	* *	-
TCDD-TEQ	1E-03 *(5E-04, 2E-03)*	6E-03 *(4E-03, 7E-03)*	7E-03 *(6E-03, 7E-03)*	7E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D56. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-08 *(2E-08, 7E-08)*	* *	* *	* *	-
ARSENIC	6E-11 *(5E-11, 9E-11)*	2E-09 *	* *	* *	-
Additive Risk	6E-08 *(2E-08, 1E-07)*	3E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 4E-10)*	9E-10 *(8E-10, 1E-09)*	1E-09 *(1E-09, 1E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	2E-10 *(2E-10, 4E-10)*	2E-09 *(1E-09, 4E-09)*	5E-09 *(2E-09, 6E-09)*	9E-09 *(8E-09, 9E-09)*	-
BERYLLIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(2E-10, 3E-10)*	4E-10 *(3E-10, 5E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	1E-09 *(9E-10, 1E-09)*	4E-09 *(4E-09, 4E-09)*	6E-09 *(6E-09, 6E-09)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 4E-10)*	1E-09 *(9E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	3E-09 *	-
NICKEL	5E-11 *(5E-11, 7E-11)*	8E-10 *(2E-10, 1E-09)*	2E-09 *(8E-10, 2E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	8E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	2E-07 *(2E-07, 2E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(1E-07, 2E-07)*	1E-05 *	* *	* *	-
ARSENIC	8E-07 *(6E-07, 2E-06)*	2E-05 *	* *	* *	-
BARIUM	9E-08 *(6E-08, 1E-07)*	1E-06 *(5E-07, 1E-05)*	1E-05 *(1E-06, 2E-05)*	2E-05 *	-
BERYLLIUM	7E-08 *(5E-08, 9E-08)*	9E-07 *(4E-07, 2E-06)*	2E-06 *(8E-07, 3E-06)*	* *	-
CADMIUM	4E-05 *(2E-05, 7E-05)*	5E-04 *(5E-04, 5E-04)*	7E-04 *(7E-04, 7E-04)*	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 1E-09)*	1E-08 *(9E-09, 1E-08)*	2E-08 *(2E-08, 2E-08)*	7E-08 *(7E-08, 7E-08)*	-
CHROMIUM (VI)	8E-09 *(5E-09, 2E-08)*	1E-07 *	* *	* *	-
COBALT	6E-09 *(4E-09, 9E-09)*	3E-07 *	* *	* *	-
MANGANESE	4E-09 *(3E-09, 6E-09)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	9E-06 *(5E-06, 1E-05)*	5E-05 *(4E-05, 7E-05)*	9E-05 *(5E-05, 1E-04)*	5E-04 *(1E-04, 7E-04)*	-
MERCURY (METHYL)[a]	min: 3E-05	median: 8E-03	max: 1E-01		
NICKEL	2E-08 *(1E-08, 5E-08)*	9E-07 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	9E-04 *(2E-04, 1E-03)*	* *	* *	-
SILVER	9E-10 *(4E-10, 7E-09)*	9E-07 *(4E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	2E-05 *(1E-05, 6E-05)*	2E-03 *	* *	* *	-
Hazard Index	2E-02 *(3E-03, 2E-02)*	4E-02 *(3E-02, 1E-01)*	1E-01 *(4E-02, 1E-01)*	1E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-04 *(5E-04, 1E-03)*	5E-03 *	* *	* *	-
TCDD-TEQ	1E-03 *(5E-04, 2E-03)*	7E-03 *(4E-03, 7E-03)*	7E-03 *(6E-03, 7E-03)*	8E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D57. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	7E-11 *	* *	* *	* *	-
Additive Risk	3E-08 *(3E-08, 8E-08)*	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(3E-11, 1E-09)*	1E-08 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 9E-10)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
BERYLLIUM	3E-11 *(3E-11, 1E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	6E-11 *(5E-11, 2E-08)*	2E-07 *(7E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	* *	-
CHROMIUM (VI)	9E-10 *(8E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	* *	-
NICKEL	7E-11 *(6E-11, 9E-10)*	6E-09 *(3E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 3E-08)*	2E-07 *(8E-08, 3E-07)*	3E-07 *(2E-07, 4E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *	* *	* *	* *	-
ARSENIC	1E-06 *(8E-07, 2E-05)*	* *	* *	* *	-
BARIUM	6E-07 *(5E-07, 8E-07)*	4E-06 *	* *	* *	-
BERYLLIUM	9E-07 *(5E-07, 1E-06)*	* *	* *	* *	-
CADMIUM	9E-06 *	* *	* *	* *	-
CHROMIUM (III)	3E-08 *(9E-09, 5E-08)*	* *	* *	* *	-
CHROMIUM (VI)	1E-07 *(5E-08, 2E-07)*	3E-07 *	* *	* *	-
COBALT	2E-08 *(2E-08, 2E-08)*	2E-07 *	* *	* *	-
MANGANESE	9E-09 *(2E-09, 3E-07)*	7E-07 *(6E-07, 8E-07)*	* *	* *	-
MERCURY (DIVALENT)	6E-04 *(4E-04, 8E-04)*	7E-03 *(3E-03, 1E-02)*	* *	* *	-
MERCURY (METHYL)[b]	min: 8E-02	median: 2E-01	max: 3E-01		
NICKEL	1E-07 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	4E-09 *	* *	* *	* *	-
THALLIUM	7E-05 *	3E-04 *(2E-04, 3E-04)*	* *	* *	-
Hazard Index	3E-01 *(8E-02, 3E-01)*	3E-01 *(3E-01, 3E-01)*	3E-01 *(3E-01, 3E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D58. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	4E-11 *	* *	* *	* *	-
Additive Risk	3E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(3E-11, 2E-09)*	1E-08 *(5E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	2E-10 *(1E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	* *	-
BERYLLIUM	4E-11 *(3E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	7E-11 *(5E-11, 2E-08)*	2E-07 *(8E-08, 3E-07)*	3E-07 *(2E-07, 4E-07)*	* *	-
CHROMIUM (VI)	1E-09 *(1E-09, 1E-09)*	2E-09 *(2E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	* *	-
NICKEL	9E-11 *(7E-11, 1E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(2E-09, 3E-08)*	2E-07 *(9E-08, 3E-07)*	4E-07 *(2E-07, 4E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *	* *	* *	* *	-
ARSENIC	7E-07 *	* *	* *	* *	-
BARIUM	2E-07 *(9E-08, 3E-07)*	9E-07 *(7E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	* *	-
BERYLLIUM	5E-07 *(2E-07, 6E-07)*	2E-06 *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	7E-09 *(2E-09, 1E-08)*	2E-07 *	* *	* *	-
CHROMIUM (VI)	5E-08 *	* *	* *	* *	-
COBALT	6E-09 *(5E-09, 6E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *	* *	* *	* *	-
MERCURY (DIVALENT)	2E-04 *(1E-04, 2E-04)*	2E-03 *(7E-04, 3E-03)*	* *	* *	-
MERCURY (METHYL)[b]	min: 6E-02	median: 1E-01	max: 2E-01		
NICKEL	4E-08 *(2E-08, 2E-06)*	9E-06 *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	8E-10 *	* *	* *	* *	-
THALLIUM	5E-05 *	* *	* *	* *	-
Hazard Index	2E-01 *(6E-02, 2E-01)*	2E-01 *(2E-01, 2E-01)*	2E-01 *(2E-01, 2E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D59. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	1E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 1E-09)*	8E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	* *	-
ARSENIC	1E-10 *(8E-11, 7E-10)*	5E-09 *(2E-09, 7E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
BERYLLIUM	2E-11 *(2E-11, 1E-10)*	8E-10 *(3E-10, 1E-09)*	1E-09 *(9E-10, 2E-09)*	* *	-
CADMIUM	4E-11 *(3E-11, 2E-08)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(1E-07, 2E-07)*	* *	-
CHROMIUM (VI)	7E-10 *(6E-10, 7E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
NICKEL	6E-11 *(4E-11, 6E-10)*	5E-09 *(2E-09, 7E-09)*	8E-09 *(5E-09, 9E-09)*	* *	-
Additive Risk	1E-09 *(1E-09, 2E-08)*	1E-07 *(6E-08, 2E-07)*	2E-07 *(2E-07, 3E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(7E-08, 2E-07)*	* *	* *	* *	-
BERYLLIUM	3E-07 *(9E-08, 4E-07)*	* *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	4E-09 *(1E-09, 7E-09)*	1E-07 *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	1E-08 *	* *	* *	* *	-
MANGANESE	1E-09 *(3E-10, 6E-08)*	* *	* *	* *	-
MERCURY (DIVALENT)	9E-05 *(7E-05, 1E-04)*	* *	* *	* *	-
MERCURY (METHYL)[b]	min: 3E-02	median: 7E-02	max: 1E-01		
NICKEL	2E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	6E-10 *	* *	* *	* *	-
THALLIUM	2E-05 *	* *	* *	* *	-
Hazard Index	1E-01 *(3E-02, 1E-01)*	1E-01 *(1E-01, 1E-01)*	1E-01 *(1E-01, 1E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D60. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	2E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 1E-09)*	9E-09 *(4E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 8E-10)*	6E-09 *(3E-09, 8E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
BERYLLIUM	3E-11 *(2E-11, 1E-10)*	9E-10 *(4E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	5E-11 *(4E-11, 2E-08)*	1E-07 *(6E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
CHROMIUM (VI)	8E-10 *(7E-10, 9E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	* *	-
NICKEL	6E-11 *(5E-11, 7E-10)*	5E-09 *(2E-09, 8E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
Additive Risk	1E-09 *(1E-09, 2E-08)*	2E-07 *(7E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
BERYLLIUM	1E-07 *(6E-08, 3E-07)*	* *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(5E-10, 3E-09)*	4E-08 *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	7E-09 *	* *	* *	* *	-
MANGANESE	6E-10 *	* *	* *	* *	-
MERCURY (DIVALENT)	5E-05 *(4E-05, 6E-05)*	5E-04 *(2E-04, 6E-04)*	7E-04 *(6E-04, 8E-04)*	* *	-
MERCURY (METHYL)[b]	min: 3E-02	median: 7E-02	max: 1E-01		
NICKEL	1E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	2E-10 *	* *	* *	* *	-
THALLIUM	3E-05 *	* *	* *	* *	-
Hazard Index	1E-01 *(3E-02, 1E-01)*	1E-01 *(1E-01, 1E-01)*	1E-01 *(1E-01, 1E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D61. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-08	*	*	*	-
ARSENIC	3E-10	9E-10	*	*	-
Additive Risk	9E-08	4E-07	4E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	3E-09	1E-08	2E-08	*	-
ARSENIC	1E-09	5E-09	7E-09	*	-
BERYLLIUM	5E-11	3E-10	4E-10	*	-
CADMIUM	1E-09	7E-09	2E-08	*	-
CHROMIUM (VI)	6E-10	5E-09	7E-09	*	-
NICKEL	1E-10	3E-09	8E-09	*	-
Additive Risk	9E-09	3E-08	3E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-06	7E-05	9E-05	*	-
ARSENIC	7E-06	2E-05	4E-05	*	-
BARIUM	2E-07	3E-06	5E-06	*	-
BERYLLIUM	3E-07	3E-06	8E-06	*	-
CADMIUM	3E-05	9E-05	1E-04	*	-
CHROMIUM (III)	3E-08	3E-07	4E-07	*	-
CHROMIUM (VI)	9E-08	7E-07	9E-07	*	-
COBALT	1E-08	9E-08	1E-07	*	-
MANGANESE	4E-08	9E-08	1E-07	*	-
MERCURY (DIVALENT)	5E-05	6E-04	9E-04	*	-
MERCURY (METHYL)[b]	min: 4E-04	median: 2E-03	max: 2E-02		
NICKEL	3E-07	4E-06	6E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	6E-08	*	*	*	-
THALLIUM	1E-05	2E-05	3E-05	*	-
Hazard Index	2E-03	2E-02	2E-02	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	4E-03	9E-03	*	-
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	1E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	4E-03	*	*	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D62. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-08	*	*	*	-
ARSENIC	1E-10	6E-10	8E-10	*	-
Additive Risk	8E-08	3E-07	4E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	3E-09	1E-08	2E-08	*	-
ARSENIC	1E-09	6E-09	8E-09	*	-
BERYLLIUM	6E-11	3E-10	5E-10	*	-
CADMIUM	1E-09	8E-09	2E-08	*	-
CHROMIUM (VI)	7E-10	5E-09	7E-09	*	-
NICKEL	1E-10	4E-09	9E-09	*	-
Additive Risk	1E-08	4E-08	4E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	4E-06	*	*	*	-
ARSENIC	3E-06	1E-05	*	*	-
BARIUM	7E-08	9E-07	1E-06	*	-
BERYLLIUM	9E-08	9E-07	2E-06	*	-
CADMIUM	1E-05	6E-05	7E-05	*	-
CHROMIUM (III)	8E-09	8E-08	1E-07	*	-
CHROMIUM (VI)	5E-08	3E-07	4E-07	*	-
COBALT	3E-09	2E-08	*	*	-
MANGANESE	2E-08	4E-08	5E-08	*	-
MERCURY (DIVALENT)	1E-05	1E-04	2E-04	*	-
MERCURY (METHYL)[b]	min: 3E-04	median: 1E-03	max: 1E-02		
NICKEL	2E-07	2E-06	3E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	5E-06	1E-05	*	*	-
Hazard Index	1E-03	1E-02	1E-02	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	4E-03	9E-03	*	-
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	1E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-03	*	*	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D63. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-08	*	*	*	-
ARSENIC	1E-10	4E-10	4E-10	*	-
Additive Risk	4E-08	2E-07	2E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09	9E-09	1E-08	*	-
ARSENIC	9E-10	4E-09	5E-09	*	-
BERYLLIUM	4E-11	2E-10	3E-10	*	-
CADMIUM	9E-10	5E-09	1E-08	*	-
CHROMIUM (VI)	5E-10	3E-09	5E-09	*	-
NICKEL	9E-11	2E-09	6E-09	*	-
Additive Risk	6E-09	2E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	*	*	*	-
ARSENIC	2E-06	7E-06	8E-06	*	-
BARIUM	4E-08	5E-07	7E-07	*	-
BERYLLIUM	6E-08	5E-07	9E-07	*	-
CADMIUM	9E-06	3E-05	4E-05	*	-
CHROMIUM (III)	4E-09	4E-08	6E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	5E-08	5E-08	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	7E-06	8E-05	1E-04	*	-
MERCURY (METHYL)[b]	min: 1E-04	median: 6E-04	max: 7E-03		
NICKEL	9E-08	*	*	*	-
SELENIUM	7E-07	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	2E-06	8E-06	*	*	-
Hazard Index	6E-04	7E-03	7E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	4E-03	9E-03	*	-
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	1E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-03	*	*	*	-
TCDD-TEQ	1E-03	7E-03	7E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D64. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+): Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-08	*	*	*	-
ARSENIC	2E-10	6E-10	7E-10	*	-
Additive Risk	6E-08	3E-07	3E-07	*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09	1E-08	1E-08	*	-
ARSENIC	1E-09	5E-09	6E-09	*	-
BERYLLIUM	4E-11	2E-10	3E-10	*	-
CADMIUM	1E-09	6E-09	1E-08	*	-
CHROMIUM (VI)	5E-10	4E-09	5E-09	*	-
NICKEL	1E-10	3E-09	7E-09	*	-
Additive Risk	7E-09	3E-08	3E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	3E-05	*	*	-
ARSENIC	2E-06	8E-06	8E-06	*	-
BARIUM	2E-08	2E-07	3E-07	*	-
BERYLLIUM	4E-08	2E-07	5E-07	*	-
CADMIUM	9E-06	3E-05	3E-05	*	-
CHROMIUM (III)	1E-09	1E-08	2E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	*	*	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	3E-06	3E-05	6E-05	*	-
MERCURY (METHYL)[b]	min: 2E-04	median: 7E-04	max: 8E-03		
NICKEL	1E-07	*	*	*	-
SELENIUM	6E-07	*	*	*	-
SILVER	3E-08	*	*	*	-
THALLIUM	2E-06	9E-06	*	*	-
Hazard Index	7E-04	8E-03	8E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	8E-04	4E-03	9E-03	*	-
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	1E-02	7E-02	9E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-03	5E-03	6E-03	*	-
TCDD-TEQ	2E-03	8E-03	8E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D65. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(1E-09, 2E-09)*	7E-08 *(4E-08, 9E-08)*	1E-07 *(8E-08, 4E-07)*	* *	-
ARSENIC	4E-11 *(1E-11, 8E-11)*	1E-09 *(6E-10, 3E-09)*	9E-09 *(1E-09, 2E-08)*	* *	-
Additive Risk	2E-09 *(2E-09, 4E-09)*	7E-08 *(5E-08, 1E-07)*	1E-07 *(8E-08, 4E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(2E-11, 7E-11)*	2E-09 *(1E-09, 4E-09)*	6E-09 *(3E-09, 9E-09)*	2E-08 *	-
ARSENIC	2E-10 *(8E-11, 4E-10)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	8E-08 *	-
BERYLLIUM	5E-12 *(3E-12, 7E-12)*	2E-10 *(8E-11, 4E-10)*	6E-10 *(2E-10, 8E-10)*	2E-09 *	-
CADMIUM	1E-10 *(6E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 8E-09)*	3E-08 *	-
CHROMIUM (VI)	6E-10 *(4E-10, 9E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(1E-11, 3E-11)*	5E-10 *(3E-10, 6E-10)*	1E-09 *(7E-10, 1E-09)*	4E-09 *(3E-09, 5E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	3E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 7E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-08 *(2E-08, 2E-07)*	2E-04 *(9E-06, 1E-03)*	2E-03 *(2E-04, 3E-03)*	* *	-
ARSENIC	9E-07 *(3E-07, 2E-06)*	3E-05 *(1E-05, 9E-05)*	3E-04 *(4E-05, 5E-04)*	6E-04 *(4E-04, 7E-04)*	-
BARIUM	3E-08 *(1E-08, 4E-08)*	5E-07 *(4E-07, 7E-07)*	1E-06 *(9E-07, 2E-06)*	9E-06 *(5E-06, 9E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 3E-08)*	8E-07 *(4E-07, 1E-06)*	3E-06 *(1E-06, 1E-05)*	3E-05 *(9E-06, 3E-05)*	-
CADMIUM	2E-06 *(1E-06, 3E-06)*	7E-05 *(2E-05, 3E-04)*	3E-04 *(9E-05, 5E-04)*	6E-04 *(4E-04, 6E-04)*	-
CHROMIUM (III)	3E-09 *(2E-09, 4E-09)*	8E-08 *(6E-08, 9E-08)*	1E-07 *(1E-07, 2E-07)*	4E-07 *(3E-07, 5E-07)*	-
CHROMIUM (VI)	2E-08 *(1E-08, 4E-08)*	2E-06 *(5E-07, 9E-06)*	1E-05 *(2E-06, 3E-05)*	* *	-
COBALT	8E-10 *(6E-10, 9E-10)*	1E-08 *(1E-08, 1E-08)*	3E-08 *(2E-08, 3E-08)*	7E-08 *(6E-08, 9E-08)*	-
MANGANESE	1E-08 *(7E-09, 1E-08)*	3E-07 *(1E-07, 5E-07)*	6E-07 *(3E-07, 8E-07)*	9E-07 *	-
MERCURY (DIVALENT)	1E-06 *(7E-07, 3E-06)*	7E-05 *(3E-05, 1E-04)*	2E-04 *(8E-05, 4E-04)*	1E-03 *(5E-04, 2E-03)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	9E-09 *(5E-09, 1E-08)*	1E-06 *(5E-07, 4E-06)*	4E-06 *(1E-06, 6E-06)*	1E-05 *(3E-06, 2E-05)*	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(1E-05, 5E-05)*	9E-05 *(2E-05, 2E-04)*	* *	-
SILVER	1E-09 *(9E-10, 5E-09)*	4E-07 *(9E-08, 7E-07)*	9E-07 *(4E-07, 2E-06)*	* *	-
THALLIUM	7E-07 *(4E-07, 9E-07)*	2E-05 *(1E-05, 4E-05)*	8E-05 *(3E-05, 4E-04)*	9E-04 *(2E-04, 9E-04)*	-
Hazard Index	8E-05 *(5E-05, 1E-04)*	5E-03 *(2E-03, 8E-03)*	1E-02 *(4E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	6E-05 *(4E-05, 9E-05)*	1E-04 *(9E-05, 2E-04)*	7E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	9E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-05 *(5E-05, 1E-04)*	3E-03 *(2E-03, 5E-03)*	7E-03 *(4E-03, 1E-02)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D66. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(9E-10, 2E-09)*	6E-08 *(4E-08, 9E-08)*	1E-07 *(7E-08, 3E-07)*	* *	-
ARSENIC	2E-11 *(9E-12, 5E-11)*	6E-10 *(3E-10, 2E-09)*	6E-09 *(9E-10, 9E-09)*	* *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	6E-08 *(4E-08, 1E-07)*	1E-07 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 8E-11)*	2E-09 *(1E-09, 4E-09)*	7E-09 *(3E-09, 1E-08)*	2E-08 *	-
ARSENIC	2E-10 *(1E-10, 4E-10)*	1E-08 *(6E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	9E-08 *	-
BERYLLIUM	5E-12 *(4E-12, 8E-12)*	2E-10 *(9E-11, 4E-10)*	7E-10 *(3E-10, 1E-09)*	2E-09 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(3E-09, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	7E-10 *(4E-10, 1E-09)*	1E-08 *(8E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(1E-11, 4E-11)*	5E-10 *(3E-10, 7E-10)*	1E-09 *(8E-10, 2E-09)*	4E-09 *(3E-09, 5E-09)*	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	6E-08 *(4E-08, 8E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(9E-09, 9E-08)*	7E-05 *(4E-06, 4E-04)*	7E-04 *(7E-05, 1E-03)*	* *	-
ARSENIC	4E-07 *(1E-07, 9E-07)*	1E-05 *(6E-06, 4E-05)*	9E-05 *(1E-05, 2E-04)*	* *	-
BARIUM	9E-09 *(5E-09, 1E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(2E-07, 6E-07)*	2E-06 *(1E-06, 3E-06)*	-
BERYLLIUM	8E-09 *(5E-09, 1E-08)*	2E-07 *(1E-07, 5E-07)*	9E-07 *(3E-07, 3E-06)*	* *	-
CADMIUM	1E-06 *(8E-07, 2E-06)*	4E-05 *(1E-05, 2E-04)*	2E-04 *	* *	-
CHROMIUM (III)	8E-10 *(5E-10, 1E-09)*	2E-08 *(1E-08, 2E-08)*	4E-08 *(3E-08, 4E-08)*	1E-07 *(9E-08, 1E-07)*	-
CHROMIUM (VI)	8E-09 *(5E-09, 2E-08)*	9E-07 *(2E-07, 4E-06)*	5E-06 *	* *	-
COBALT	2E-10 *(1E-10, 3E-10)*	4E-09 *(3E-09, 5E-09)*	7E-09 *(6E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
MANGANESE	4E-09 *(2E-09, 7E-09)*	1E-07 *(5E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	5E-07 *(3E-07, 8E-07)*	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 8E-07)*	1E-05 *(9E-06, 3E-05)*	6E-05 *(2E-05, 9E-05)*	3E-04 *(1E-04, 5E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	3E-09 *(2E-09, 7E-09)*	6E-07 *(2E-07, 2E-06)*	2E-06 *(6E-07, 3E-06)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	6E-05 *(2E-05, 9E-05)*	* *	-
SILVER	8E-10 *(3E-10, 1E-09)*	2E-07 *(6E-08, 5E-07)*	6E-07 *(2E-07, 9E-07)*	* *	-
THALLIUM	4E-07 *(2E-07, 7E-07)*	1E-05 *(7E-06, 2E-05)*	5E-05 *(1E-05, 2E-04)*	7E-04 *(1E-04, 7E-04)*	-
Hazard Index	5E-05 *(2E-05, 7E-05)*	3E-03 *(1E-03, 6E-03)*	8E-03 *(3E-03, 8E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	6E-05 *(4E-05, 9E-05)*	1E-04 *(9E-05, 2E-04)*	7E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	9E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(3E-05, 7E-05)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D67. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(5E-10, 1E-09)*	3E-08 *(2E-08, 5E-08)*	7E-08 *	* *	-
ARSENIC	1E-11 *(5E-12, 3E-11)*	4E-10 *(2E-10, 1E-09)*	3E-09 *(5E-10, 8E-09)*	* *	-
Additive Risk	9E-10 *(7E-10, 2E-09)*	3E-08 *(2E-08, 6E-08)*	8E-08 *(4E-08, 2E-07)*	3E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 5E-11)*	1E-09 *(8E-10, 3E-09)*	5E-09 *(2E-09, 7E-09)*	1E-08 *	-
ARSENIC	2E-10 *(6E-11, 3E-10)*	6E-09 *(4E-09, 9E-09)*	1E-08 *(8E-09, 2E-08)*	6E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 5E-12)*	1E-10 *(6E-11, 3E-10)*	4E-10 *(2E-10, 6E-10)*	1E-09 *	-
CADMIUM	7E-11 *(5E-11, 1E-10)*	1E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(3E-10, 7E-10)*	7E-09 *(5E-09, 9E-09)*	1E-08 *(9E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(8E-12, 2E-11)*	3E-10 *(2E-10, 5E-10)*	8E-10 *(5E-10, 1E-09)*	3E-09 *(2E-09, 3E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	2E-08 *(2E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(6E-09, 6E-08)*	4E-05 *(2E-06, 3E-04)*	7E-04 *(4E-05, 9E-04)*	* *	-
ARSENIC	2E-07 *(9E-08, 5E-07)*	7E-06 *(4E-06, 2E-05)*	6E-05 *	* *	-
BARIUM	5E-09 *(2E-09, 8E-09)*	8E-08 *(6E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	1E-06 *(6E-07, 1E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	1E-07 *(6E-08, 2E-07)*	5E-07 *(1E-07, 1E-06)*	* *	-
CADMIUM	8E-07 *(4E-07, 1E-06)*	2E-05 *(7E-06, 9E-05)*	1E-04 *	* *	-
CHROMIUM (III)	4E-10 *(2E-10, 6E-10)*	1E-08 *(8E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(5E-08, 7E-08)*	-
CHROMIUM (VI)	4E-09 *(3E-09, 9E-09)*	8E-07 *(1E-07, 3E-06)*	4E-06 *	* *	-
COBALT	8E-10 *(4E-10, 1E-09)*	4E-08 *(1E-08, 8E-08)*	8E-08 *(4E-08, 9E-08)*	1E-07 *	-
MANGANESE	2E-09 *(1E-09, 4E-09)*	8E-08 *(3E-08, 2E-07)*	2E-07 *(8E-08, 2E-07)*	3E-07 *	-
MERCURY (DIVALENT)	2E-07 *(9E-08, 4E-07)*	9E-06 *(5E-06, 2E-05)*	3E-05 *(1E-05, 6E-05)*	2E-04 *(8E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 8E-06	max: 4E-03		
NICKEL	2E-09 *(1E-09, 4E-09)*	4E-07 *(1E-07, 1E-06)*	1E-06 *(3E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(4E-06, 2E-05)*	3E-05 *(9E-06, 6E-05)*	* *	-
SILVER	5E-10 *(1E-10, 8E-10)*	2E-07 *(4E-08, 3E-07)*	4E-07 *(2E-07, 5E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	7E-06 *(3E-06, 1E-05)*	3E-05 *(9E-06, 1E-04)*	4E-04 *(7E-05, 4E-04)*	-
Hazard Index	3E-05 *(1E-05, 4E-05)*	2E-03 *(6E-04, 3E-03)*	4E-03 *(1E-03, 4E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	6E-05 *(4E-05, 9E-05)*	1E-04 *(9E-05, 2E-04)*	7E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	9E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 3E-05)*	9E-04 *(6E-04, 1E-03)*	2E-03 *(9E-04, 4E-03)*	* *	-
TCDD-TEQ	3E-05 *(2E-05, 4E-05)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 6E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D68. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(8E-10, 1E-09)*	5E-08 *(3E-08, 8E-08)*	1E-07 *(6E-08, 3E-07)*	* *	-
ARSENIC	2E-11 *(8E-12, 4E-11)*	6E-10 *(3E-10, 2E-09)*	3E-09 *	* *	-
Additive Risk	1E-09 *(1E-09, 2E-09)*	5E-08 *(4E-08, 8E-08)*	1E-07 *(6E-08, 3E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(2E-11, 6E-11)*	2E-09 *(9E-10, 3E-09)*	5E-09 *(2E-09, 8E-09)*	2E-08 *	-
ARSENIC	2E-10 *(7E-11, 3E-10)*	7E-09 *(4E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	6E-08 *	-
BERYLLIUM	4E-12 *(3E-12, 6E-12)*	2E-10 *(6E-11, 3E-10)*	5E-10 *(2E-10, 7E-10)*	1E-09 *	-
CADMIUM	8E-11 *(5E-11, 1E-10)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(2E-09, 7E-09)*	3E-08 *	-
CHROMIUM (VI)	5E-10 *(3E-10, 8E-10)*	8E-09 *(6E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(9E-12, 3E-11)*	4E-10 *(2E-10, 5E-10)*	9E-10 *(6E-10, 1E-09)*	3E-09 *(2E-09, 4E-09)*	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	4E-08 *(3E-08, 6E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(4E-09, 5E-08)*	5E-05 *(2E-06, 4E-04)*	8E-04 *(5E-05, 1E-03)*	* *	-
ARSENIC	2E-07 *(9E-08, 5E-07)*	8E-06 *(4E-06, 2E-05)*	4E-05 *(8E-06, 1E-04)*	* *	-
BARIUM	2E-09 *(1E-09, 4E-09)*	6E-08 *(3E-08, 8E-08)*	1E-07 *(7E-08, 1E-07)*	5E-07 *(3E-07, 6E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 5E-09)*	9E-08 *(4E-08, 1E-07)*	2E-07 *(9E-08, 9E-07)*	* *	-
CADMIUM	8E-07 *(4E-07, 1E-06)*	2E-05 *(7E-06, 8E-05)*	1E-04 *	* *	-
CHROMIUM (III)	1E-10 *(1E-10, 2E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(7E-09, 9E-09)*	2E-08 *(2E-08, 3E-08)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	9E-07 *(1E-07, 3E-06)*	4E-06 *(9E-07, 8E-06)*	* *	-
COBALT	6E-10 *(3E-10, 1E-09)*	5E-08 *(9E-09, 9E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *	-
MANGANESE	1E-09 *(9E-10, 3E-09)*	1E-07 *(3E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	4E-07 *	-
MERCURY (DIVALENT)	9E-08 *(5E-08, 2E-07)*	4E-06 *(2E-06, 8E-06)*	1E-05 *(5E-06, 2E-05)*	7E-05 *(3E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 8E-06	max: 5E-03		
NICKEL	2E-09 *(1E-09, 3E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(4E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(5E-06, 2E-05)*	4E-05 *(1E-05, 7E-05)*	* *	-
SILVER	6E-10 *(1E-10, 9E-10)*	2E-07 *(4E-08, 4E-07)*	5E-07 *(2E-07, 6E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	8E-06 *(3E-06, 1E-05)*	3E-05 *(9E-06, 1E-04)*	4E-04 *(7E-05, 4E-04)*	-
Hazard Index	3E-05 *(1E-05, 4E-05)*	2E-03 *(6E-04, 3E-03)*	5E-03 *(1E-03, 5E-03)*	6E-03 *(3E-03, 6E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	6E-05 *(4E-05, 9E-05)*	1E-04 *(9E-05, 2E-04)*	7E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	9E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 3E-02)*	5E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 4E-05)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 6E-03)*	* *	-
TCDD-TEQ	3E-05 *(2E-05, 4E-05)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 7E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D69. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 2E-09)*	1E-08 *(3E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	9E-08 *	-
ARSENIC	5E-12 *(8E-13, 2E-11)*	3E-09 *(8E-11, 4E-09)*	4E-09 *(1E-09, 9E-09)*	1E-08 *	-
Additive Risk	2E-09 *(2E-09, 4E-09)*	2E-08 *(5E-09, 2E-08)*	2E-08 *(1E-08, 4E-08)*	1E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 6E-11)*	1E-09 *(9E-11, 3E-09)*	3E-09 *(3E-10, 9E-09)*	2E-08 *	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	2E-08 *(6E-10, 8E-08)*	8E-08 *(7E-09, 2E-07)*	3E-07 *	-
BERYLLIUM	4E-12 *(2E-12, 8E-12)*	7E-11 *(1E-11, 2E-10)*	2E-10 *(3E-11, 5E-10)*	1E-09 *	-
CADMIUM	4E-11 *(2E-11, 6E-11)*	2E-09 *(1E-10, 4E-09)*	5E-09 *(9E-10, 9E-09)*	4E-08 *(1E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(9E-10, 5E-09)*	5E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	1E-11 *(5E-12, 4E-11)*	5E-10 *(2E-10, 1E-09)*	2E-09 *(3E-10, 3E-09)*	7E-09 *(5E-09, 8E-09)*	-
Additive Risk	4E-10 *(3E-10, 1E-09)*	4E-08 *(2E-09, 9E-08)*	9E-08 *(1E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(1E-08, 3E-07)*	2E-05 *	* *	* *	-
ARSENIC	8E-08 *(2E-08, 5E-07)*	9E-05 *(2E-06, 1E-04)*	1E-04 *(3E-05, 2E-04)*	4E-04 *	-
BARIUM	1E-08 *(2E-09, 5E-08)*	9E-07 *(3E-07, 2E-06)*	3E-06 *(5E-07, 4E-06)*	9E-06 *(4E-06, 1E-05)*	-
BERYLLIUM	2E-08 *(7E-09, 3E-08)*	4E-07 *(5E-08, 9E-07)*	1E-06 *(2E-07, 2E-06)*	9E-06 *	-
CADMIUM	2E-06 *(9E-07, 4E-06)*	3E-05 *(4E-06, 6E-05)*	1E-04 *(1E-05, 3E-04)*	4E-04 *	-
CHROMIUM (III)	2E-10 *(8E-11, 3E-09)*	7E-08 *(9E-09, 1E-07)*	2E-07 *(4E-08, 4E-07)*	7E-07 *(5E-07, 7E-07)*	-
CHROMIUM (VI)	9E-09 *(5E-09, 1E-08)*	4E-08 *(2E-08, 5E-08)*	6E-08 *(3E-08, 2E-07)*	4E-07 *	-
COBALT	9E-10 *(4E-10, 2E-09)*	2E-08 *(6E-09, 5E-08)*	6E-08 *(9E-09, 8E-08)*	2E-07 *(9E-08, 2E-07)*	-
MANGANESE	1E-08 *(2E-09, 2E-08)*	3E-07 *(3E-08, 5E-07)*	6E-07 *(5E-08, 7E-07)*	9E-07 *	-
MERCURY (DIVALENT)	1E-07 *(5E-08, 6E-06)*	9E-05 *(9E-06, 2E-04)*	2E-04 *(4E-05, 5E-04)*	9E-04 *	-
MERCURY (METHYL)[a]	min: 5E-07	median: 6E-05	max: 6E-03		
NICKEL	6E-09 *(4E-09, 1E-08)*	9E-07 *(3E-08, 1E-06)*	1E-06 *(9E-08, 1E-06)*	2E-06 *(1E-06, 3E-06)*	-
SELENIUM	4E-07 *(5E-08, 9E-07)*	7E-06 *(9E-07, 2E-05)*	* *	* *	-
SILVER	1E-09 *(1E-10, 2E-09)*	5E-08 *	* *	* *	-
THALLIUM	8E-07 *(2E-07, 9E-07)*	7E-05 *(1E-06, 1E-04)*	3E-04 *(6E-05, 7E-04)*	1E-03 *(9E-04, 2E-03)*	-
Hazard Index	2E-05 *(5E-06, 1E-04)*	4E-03 *(6E-04, 5E-03)*	5E-03 *(1E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	2E-04 *(4E-06, 9E-04)*	8E-04 *(1E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 8E-03)*	8E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-05 *(7E-05, 8E-05)*	8E-04 *(1E-04, 9E-04)*	9E-04 *(5E-04, 1E-03)*	4E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D70. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 2E-09)*	1E-08 *(3E-09, 2E-08)*	2E-08 *(8E-09, 2E-08)*	3E-08 *	-
ARSENIC	4E-12 *(6E-13, 1E-11)*	2E-09 *(4E-11, 3E-09)*	3E-09 *(9E-10, 4E-09)*	7E-09 *	-
Additive Risk	2E-09 *(2E-09, 4E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *(9E-09, 2E-08)*	4E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 7E-11)*	1E-09 *(1E-10, 4E-09)*	3E-09 *(4E-10, 1E-08)*	2E-08 *	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	3E-08 *(6E-10, 9E-08)*	9E-08 *(7E-09, 2E-07)*	3E-07 *	-
BERYLLIUM	5E-12 *(3E-12, 9E-12)*	8E-11 *(1E-11, 2E-10)*	2E-10 *(3E-11, 6E-10)*	1E-09 *	-
CADMIUM	4E-11 *(2E-11, 7E-11)*	2E-09 *(1E-10, 4E-09)*	6E-09 *(1E-09, 1E-08)*	5E-08 *(2E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 6E-09)*	6E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	1E-11 *(5E-12, 5E-11)*	6E-10 *(2E-10, 1E-09)*	2E-09 *(4E-10, 4E-09)*	8E-09 *(6E-09, 9E-09)*	-
Additive Risk	4E-10 *(3E-10, 2E-09)*	4E-08 *(3E-09, 1E-07)*	1E-07 *(1E-08, 3E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(9E-09, 1E-07)*	8E-06 *	* *	* *	-
ARSENIC	8E-08 *(9E-09, 2E-07)*	4E-05 *(6E-07, 5E-05)*	5E-05 *(1E-05, 7E-05)*	1E-04 *	-
BARIUM	3E-09 *(5E-10, 1E-08)*	2E-07 *(9E-08, 6E-07)*	7E-07 *(1E-07, 1E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	7E-09 *(3E-09, 1E-08)*	1E-07 *(2E-08, 3E-07)*	3E-07 *(5E-08, 7E-07)*	2E-06 *	-
CADMIUM	7E-07 *(6E-07, 2E-06)*	9E-06 *(3E-06, 3E-05)*	* *	* *	-
CHROMIUM (III)	6E-11 *(3E-11, 8E-10)*	2E-08 *(2E-09, 5E-08)*	6E-08 *(1E-08, 9E-08)*	2E-07 *(1E-07, 2E-07)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	2E-08 *(7E-09, 3E-08)*	3E-08 *(1E-08, 6E-08)*	9E-08 *	-
COBALT	3E-10 *(1E-10, 5E-10)*	5E-09 *(1E-09, 1E-08)*	1E-08 *(3E-09, 2E-08)*	5E-08 *(2E-08, 6E-08)*	-
MANGANESE	6E-09 *(8E-10, 8E-09)*	8E-08 *(9E-09, 3E-07)*	3E-07 *(2E-08, 3E-07)*[A]	4E-07 *	-
MERCURY (DIVALENT)	4E-08 *(1E-08, 1E-06)*	3E-05 *(3E-06, 6E-05)*	5E-05 *(9E-06, 1E-04)*	3E-04 *	-
MERCURY (METHYL)[a]	min: 1E-07	median: 5E-05	max: 4E-03		
NICKEL	3E-09 *(2E-09, 7E-09)*	4E-07 *(9E-09, 6E-07)*	6E-07 *(5E-08, 7E-07)*	8E-07 *(4E-07, 8E-07)*	-
SELENIUM	3E-07 *(4E-08, 7E-07)*	5E-06 *(8E-07, 9E-06)*	* *	* *	-
SILVER	8E-10 *(4E-11, 9E-10)*	2E-08 *	* *	* *	-
THALLIUM	3E-07 *(1E-07, 6E-07)*	3E-05 *(8E-07, 6E-05)*	2E-04 *(2E-05, 8E-04)*	* *	-
Hazard Index	1E-05 *(3E-06, 7E-05)*	3E-03 *(1E-04, 4E-03)*	4E-03 *(9E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	2E-04 *(4E-06, 9E-04)*	8E-04 *(1E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 8E-03)*	8E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(5E-05, 6E-05)*	5E-04 *(8E-05, 6E-04)*	6E-04 *(3E-04, 7E-04)*	1E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D71. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(7E-10, 9E-10)*	7E-09 *(1E-09, 9E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *	-
ARSENIC	2E-12 *(3E-13, 7E-12)*	1E-09 *(2E-11, 2E-09)*	2E-09 *(5E-10, 2E-09)*	3E-09 *	-
Additive Risk	9E-10 *(8E-10, 2E-09)*	8E-09 *(2E-09, 1E-08)*	1E-08 *(6E-09, 1E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(7E-12, 4E-11)*	8E-10 *(7E-11, 2E-09)*	2E-09 *(2E-10, 6E-09)*	1E-08 *	-
ARSENIC	2E-11 *(9E-12, 1E-10)*	2E-08 *(4E-10, 6E-08)*	6E-08 *(5E-09, 1E-07)*	2E-07 *	-
BERYLLIUM	3E-12 *(2E-12, 6E-12)*	5E-11 *(9E-12, 1E-10)*	1E-10 *(2E-11, 4E-10)*	8E-10 *	-
CADMIUM	3E-11 *(1E-11, 5E-11)*	1E-09 *(7E-11, 3E-09)*	4E-09 *(6E-10, 7E-09)*	3E-08 *(1E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(8E-11, 2E-10)*	1E-09 *(7E-10, 4E-09)*	4E-09 *(1E-09, 9E-09)*	1E-08 *	-
NICKEL	9E-12 *(3E-12, 3E-11)*	4E-10 *(1E-10, 9E-10)*	1E-09 *(2E-10, 2E-09)*	5E-09 *(4E-09, 6E-09)*	-
Additive Risk	3E-10 *(2E-10, 1E-09)*	3E-08 *(2E-09, 7E-08)*	7E-08 *(9E-09, 2E-07)*	2E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(5E-09, 7E-08)*	5E-06 *	* *	* *	-
ARSENIC	4E-08 *(6E-09, 1E-07)*	2E-05 *(4E-07, 3E-05)*	3E-05 *(9E-06, 4E-05)*	7E-05 *	-
BARIUM	1E-09 *(3E-10, 7E-09)*	1E-07 *(5E-08, 3E-07)*	4E-07 *(7E-08, 6E-07)*	1E-06 *(5E-07, 2E-06)*	-
BERYLLIUM	3E-09 *(1E-09, 8E-09)*	6E-08 *(9E-09, 1E-07)*	1E-07 *(3E-08, 3E-07)*	1E-06 *	-
CADMIUM	4E-07 *(3E-07, 1E-06)*	5E-06 *(2E-06, 2E-05)*	3E-05 *(2E-06, 7E-05)*	* *	-
CHROMIUM (III)	3E-11 *(1E-11, 4E-10)*	9E-09 *(1E-09, 2E-08)*	3E-08 *(6E-09, 6E-08)*	9E-08 *	-
CHROMIUM (VI)	2E-09 *(9E-10, 3E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *(9E-09, 3E-08)*	5E-08 *	-
COBALT	1E-09 *(1E-10, 2E-09)*	1E-08 *(2E-09, 7E-08)*	7E-08 *(4E-09, 8E-08)*	8E-08 *	-
MANGANESE	3E-09 *(4E-10, 5E-09)*	4E-08 *(7E-09, 1E-07)*	1E-07 *(1E-08, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	2E-08 *(7E-09, 9E-07)*	1E-05 *(1E-06, 3E-05)*	3E-05 *(5E-06, 8E-05)*	1E-04 *	-
MERCURY (METHYL)[a]	min: 7E-08	median: 2E-05	max: 2E-03		
NICKEL	2E-09 *(9E-10, 4E-09)*	2E-07 *(6E-09, 4E-07)*	4E-07 *(2E-08, 4E-07)*	5E-07 *(2E-07, 5E-07)*	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	3E-06 *(4E-07, 6E-06)*	* *	* *	-
SILVER	5E-10 *(2E-11, 6E-10)*	1E-08 *	* *	* *	-
THALLIUM	2E-07 *(9E-08, 4E-07)*	2E-05 *(5E-07, 3E-05)*	1E-04 *(1E-05, 4E-04)*	5E-04 *(5E-04, 6E-04)*	-
Hazard Index	8E-06 *(2E-06, 4E-05)*	1E-03 *(8E-05, 2E-03)*	2E-03 *(5E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	2E-04 *(4E-06, 9E-04)*	8E-04 *(1E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 8E-03)*	8E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 2E-05)*	2E-04 *(4E-05, 3E-04)*	3E-04 *(1E-04, 3E-04)*	5E-04 *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	3E-04 *(7E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D72. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(9E-10, 1E-09)*	1E-08 *	* *	* *	-
ARSENIC	3E-12 *	2E-09 *(2E-11, 2E-09)*	2E-09 *(3E-10, 3E-09)*	3E-09 *	-
Additive Risk	1E-09 *(9E-10, 3E-09)*	1E-08 *(3E-09, 2E-08)*	2E-08 *(6E-09, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(8E-12, 5E-11)*	1E-09 *(8E-11, 3E-09)*	2E-09 *(3E-10, 7E-09)*	2E-08 *	-
ARSENIC	2E-11 *(1E-11, 2E-10)*	2E-08 *(5E-10, 6E-08)*	7E-08 *(6E-09, 2E-07)*	2E-07 *	-
BERYLLIUM	4E-12 *(2E-12, 7E-12)*	6E-11 *(1E-11, 2E-10)*	1E-10 *(2E-11, 4E-10)*	9E-10 *	-
CADMIUM	3E-11 *(1E-11, 5E-11)*	2E-09 *(8E-11, 3E-09)*	4E-09 *(7E-10, 8E-09)*	4E-08 *(1E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 3E-10)*	2E-09 *(8E-10, 4E-09)*	4E-09 *(1E-09, 1E-08)*	1E-08 *	-
NICKEL	1E-11 *(4E-12, 4E-11)*	5E-10 *(1E-10, 1E-09)*	2E-09 *(3E-10, 3E-09)*	6E-09 *(4E-09, 6E-09)*	-
Additive Risk	3E-10 *(2E-10, 1E-09)*	3E-08 *(2E-09, 8E-08)*	8E-08 *(1E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(2E-09, 8E-08)*	4E-06 *	* *	* *	-
ARSENIC	5E-08 *(5E-09, 9E-08)*	2E-05 *	* *	* *	-
BARIUM	7E-10 *(2E-10, 3E-09)*	9E-08 *(1E-08, 1E-07)*	2E-07 *(3E-08, 3E-07)*	7E-07 *(2E-07, 8E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 5E-09)*	3E-08 *(7E-09, 6E-08)*	6E-08 *(1E-08, 1E-07)*	6E-07 *	-
CADMIUM	4E-07 *(3E-07, 1E-06)*	4E-06 *(2E-06, 2E-05)*	3E-05 *(2E-06, 7E-05)*	* *	-
CHROMIUM (III)	1E-11 *(7E-12, 1E-10)*	4E-09 *(5E-10, 9E-09)*	1E-08 *(2E-09, 2E-08)*	4E-08 *	-
CHROMIUM (VI)	3E-09 *(9E-10, 4E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *(6E-09, 2E-08)*	2E-08 *	-
COBALT	8E-10 *(5E-11, 2E-09)*	8E-09 *(2E-09, 5E-08)*	5E-08 *(3E-09, 7E-08)*	8E-08 *	-
MANGANESE	3E-09 *(2E-10, 5E-09)*	2E-08 *(5E-09, 1E-07)*	1E-07 *(9E-09, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	9E-09 *(3E-09, 4E-07)*	6E-06 *(6E-07, 1E-05)*	1E-05 *(2E-06, 3E-05)*	6E-05 *	-
MERCURY (METHYL)[a]	min: 3E-08	median: 2E-05	max: 2E-03		
NICKEL	2E-09 *(8E-10, 3E-09)*	1E-07 *	* *	* *	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	4E-06 *(4E-07, 7E-06)*	* *	* *	-
SILVER	3E-10 *(9E-12, 6E-10)*	1E-08 *	* *	* *	-
THALLIUM	1E-07 *(7E-08, 4E-07)*	1E-05 *(4E-07, 3E-05)*	7E-05 *(9E-06, 3E-04)*	5E-04 *	-
Hazard Index	9E-06 *(2E-06, 4E-05)*	1E-03 *(4E-05, 2E-03)*	2E-03 *(6E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	2E-04 *(4E-06, 9E-04)*	8E-04 *(1E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 8E-03)*	8E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	3E-05 *(2E-05, 3E-05)*	2E-04 *(5E-05, 3E-04)*	3E-04 *(1E-04, 4E-04)*	4E-04 *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	2E-04 *(8E-05, 4E-04)*	4E-04 *(1E-04, 4E-04)*	4E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D73. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-09 *(6E-09, 1E-08)*	3E-07 *(9E-08, 4E-07)*	4E-07 *(1E-07, 5E-07)*	* *	-
ARSENIC	2E-10 *(5E-11, 8E-10)*	4E-09 *(2E-09, 5E-09)*	7E-09 *(4E-09, 1E-08)*	2E-08 *	-
Additive Risk	1E-08 *(7E-09, 2E-08)*	3E-07 *(9E-08, 5E-07)*	5E-07 *(2E-07, 5E-07)*	5E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	4E-10 *(1E-10, 8E-10)*	7E-09 *(3E-09, 1E-08)*	2E-08 *(7E-09, 2E-08)*	3E-08 *	-
ARSENIC	1E-09 *(4E-10, 4E-09)*	4E-08 *(2E-08, 1E-07)*	1E-07 *(3E-08, 2E-07)*	3E-07 *	-
BERYLLIUM	1E-11 *(9E-12, 3E-11)*	3E-10 *(1E-10, 1E-09)*	1E-09 *(2E-10, 2E-09)*	5E-09 *(1E-09, 6E-09)*	-
CADMIUM	1E-10 *(1E-10, 3E-10)*	4E-09 *(2E-09, 4E-09)*	8E-09 *(6E-09, 1E-08)*	5E-08 *(5E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 5E-10)*	5E-09 *(2E-09, 7E-09)*	9E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	4E-11 *(2E-11, 5E-11)*	1E-09 *(7E-10, 1E-09)*	3E-09 *(3E-09, 3E-09)*	7E-09 *(7E-09, 8E-09)*	-
Additive Risk	5E-09 *(3E-09, 1E-08)*	8E-08 *(3E-08, 1E-07)*	1E-07 *(6E-08, 3E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *(3E-07, 3E-06)*[A]	* *	* *	* *	-
ARSENIC	5E-06 *(1E-06, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(9E-05, 3E-04)*	5E-04 *	-
BARIUM	1E-07 *(6E-08, 2E-07)*	2E-06 *(2E-06, 3E-06)*	4E-06 *(3E-06, 5E-06)*	1E-05 *(9E-06, 1E-05)*	-
BERYLLIUM	8E-08 *(3E-08, 1E-07)*	2E-06 *(7E-07, 6E-06)*	7E-06 *(1E-06, 1E-05)*	3E-05 *(9E-06, 4E-05)*	-
CADMIUM	3E-06 *(1E-06, 5E-06)*	9E-05 *(5E-05, 1E-04)*	2E-04 *(2E-04, 3E-04)*	5E-04 *	-
CHROMIUM (III)	9E-09 *(7E-09, 1E-08)*	2E-07 *(1E-07, 2E-07)*	4E-07 *(2E-07, 5E-07)*	7E-07 *(7E-07, 7E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 3E-08)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(8E-08, 2E-07)*	5E-07 *	-
COBALT	4E-09 *(2E-09, 6E-09)*	5E-08 *(4E-08, 6E-08)*	9E-08 *(6E-08, 9E-08)*	2E-07 *(2E-07, 2E-07)*	-
MANGANESE	3E-08 *(1E-08, 6E-08)*	6E-07 *	1E-06 *	* *	-
MERCURY (DIVALENT)	1E-05 *(7E-06, 2E-05)*	1E-04 *(8E-05, 4E-04)*	4E-04 *(1E-04, 7E-04)*	1E-03 *	-
MERCURY (METHYL)[a]	min: 9E-08	median: 1E-04	max: 6E-03		
NICKEL	2E-08 *(1E-08, 3E-08)*	9E-07 *(3E-07, 1E-06)*	1E-06 *(9E-07, 1E-06)*	3E-06 *(3E-06, 3E-06)*	-
SELENIUM	1E-06 *(5E-07, 3E-06)*	6E-05 *	1E-04 *	* *	-
SILVER	2E-09 *(7E-10, 8E-09)*	1E-06 *	2E-06 *	* *	-
THALLIUM	4E-06 *(9E-07, 3E-05)*	3E-04 *(1E-04, 5E-04)*	8E-04 *(7E-04, 9E-04)*	2E-03 *(2E-03, 2E-03)*	-
Hazard Index	1E-03 *(2E-04, 2E-03)*	5E-03 *(2E-03, 5E-03)*	5E-03 *(4E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 3E-05)*	5E-04 *(2E-04, 1E-03)*	1E-03 *(2E-04, 4E-03)*	5E-03 *	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-04 *(2E-04, 8E-04)*	1E-02 *(4E-03, 2E-02)*	2E-02 *(7E-03, 2E-02)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D74. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-09 *(4E-09, 1E-08)*	2E-07 *	* *	* *	-
ARSENIC	1E-10 *(3E-11, 4E-10)*	3E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	8E-09 *	-
Additive Risk	9E-09 *(5E-09, 1E-08)*	2E-07 *(6E-08, 4E-07)*	4E-07 *(1E-07, 5E-07)*	5E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	4E-10 *(2E-10, 1E-09)*	8E-09 *(3E-09, 2E-08)*	2E-08 *(8E-09, 2E-08)*	4E-08 *	-
ARSENIC	1E-09 *(5E-10, 5E-09)*	5E-08 *(2E-08, 1E-07)*	1E-07 *(4E-08, 3E-07)*	3E-07 *	-
BERYLLIUM	1E-11 *(1E-11, 3E-11)*	4E-10 *(1E-10, 1E-09)*	1E-09 *(2E-10, 3E-09)*	6E-09 *(1E-09, 7E-09)*	-
CADMIUM	2E-10 *(1E-10, 3E-10)*	4E-09 *(3E-09, 5E-09)*	9E-09 *(7E-09, 1E-08)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	3E-10 *(1E-10, 5E-10)*	5E-09 *(2E-09, 8E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *	-
NICKEL	4E-11 *(2E-11, 6E-11)*	1E-09 *(9E-10, 1E-09)*	3E-09 *(3E-09, 4E-09)*	9E-09 *(8E-09, 9E-09)*	-
Additive Risk	6E-09 *(3E-09, 1E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(7E-08, 3E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(1E-07, 2E-06)*	* *	* *	* *	-
ARSENIC	3E-06 *(5E-07, 8E-06)*	5E-05 *(2E-05, 6E-05)*	6E-05 *(5E-05, 8E-05)*	1E-04 *	-
BARIUM	3E-08 *(2E-08, 7E-08)*	7E-07 *(5E-07, 9E-07)*	1E-06 *(8E-07, 1E-06)*	4E-06 *(4E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 4E-08)*	5E-07 *(2E-07, 2E-06)*	2E-06 *(4E-07, 4E-06)*	7E-06 *	-
CADMIUM	1E-06 *(8E-07, 3E-06)*	7E-05 *(3E-05, 8E-05)*	* *	* *	-
CHROMIUM (III)	2E-09 *(1E-09, 4E-09)*	5E-08 *(3E-08, 6E-08)*	9E-08 *(7E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(4E-09, 1E-08)*	4E-08 *(2E-08, 8E-08)*	8E-08 *(3E-08, 9E-08)*	1E-07 *	-
COBALT	9E-10 *(5E-10, 1E-09)*	1E-08 *(1E-08, 1E-08)*	2E-08 *(2E-08, 2E-08)*	6E-08 *(5E-08, 6E-08)*	-
MANGANESE	1E-08 *(5E-09, 2E-08)*	3E-07 *(7E-08, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(2E-06, 5E-06)*	4E-05 *(2E-05, 8E-05)*	8E-05 *(3E-05, 2E-04)*	3E-04 *	-
MERCURY (METHYL)[a]	min: 2E-08	median: 9E-05	max: 4E-03		
NICKEL	8E-09 *(5E-09, 1E-08)*	6E-07 *(1E-07, 6E-07)*	7E-07 *(3E-07, 7E-07)*	8E-07 *(8E-07, 8E-07)*	-
SELENIUM	7E-07 *(4E-07, 2E-06)*	* *	* *	* *	-
SILVER	9E-10 *(2E-10, 5E-09)*	6E-07 *	1E-06 *	* *	-
THALLIUM	2E-06 *(7E-07, 1E-05)*	2E-04 *(7E-05, 3E-04)*	8E-04 *(6E-04, 8E-04)*[A]	* *	-
Hazard Index	8E-04 *(1E-04, 1E-03)*	4E-03 *(1E-03, 4E-03)*	4E-03 *(3E-03, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 3E-05)*	5E-04 *(2E-04, 1E-03)*	1E-03 *(2E-04, 4E-03)*	5E-03 *	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-04 *(1E-04, 5E-04)*	9E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D75. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-09 *(2E-09, 7E-09)*	9E-08 *	* *	* *	-
ARSENIC	9E-11 *(1E-11, 2E-10)*	1E-09 *(8E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	4E-09 *	-
Additive Risk	5E-09 *(3E-09, 8E-09)*	1E-07 *(3E-08, 2E-07)*	2E-07 *(7E-08, 3E-07)*	3E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(1E-10, 6E-10)*	5E-09 *(2E-09, 1E-08)*	1E-08 *(5E-09, 1E-08)*	2E-08 *	-
ARSENIC	9E-10 *(3E-10, 3E-09)*	3E-08 *(1E-08, 7E-08)*	8E-08 *(2E-08, 2E-07)*	2E-07 *	-
BERYLLIUM	9E-12 *(7E-12, 2E-11)*	2E-10 *(7E-11, 8E-10)*	8E-10 *(1E-10, 2E-09)*	4E-09 *(8E-10, 5E-09)*	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	3E-09 *(2E-09, 3E-09)*	6E-09 *(4E-09, 8E-09)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	2E-10 *(9E-11, 3E-10)*	3E-09 *(1E-09, 5E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *	-
NICKEL	3E-11 *(1E-11, 4E-11)*	8E-10 *(5E-10, 9E-10)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(5E-09, 6E-09)*	-
Additive Risk	4E-09 *(2E-09, 7E-09)*	6E-08 *(2E-08, 8E-08)*	1E-07 *(5E-08, 2E-07)*	2E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(7E-08, 1E-06)*	* *	* *	* *	-
ARSENIC	1E-06 *(3E-07, 4E-06)*	3E-05 *(1E-05, 3E-05)*	4E-05 *(2E-05, 4E-05)*	8E-05 *	-
BARIUM	2E-08 *(9E-09, 4E-08)*	3E-07 *(2E-07, 4E-07)*	6E-07 *(4E-07, 7E-07)*	2E-06 *(2E-06, 2E-06)*	-
BERYLLIUM	1E-08 *(8E-09, 2E-08)*	2E-07 *(9E-08, 9E-07)*	1E-06 *(2E-07, 2E-06)*	6E-06 *(1E-06, 8E-06)*[A]	-
CADMIUM	9E-07 *(5E-07, 1E-06)*	4E-05 *(2E-05, 4E-05)*	7E-05 *(6E-05, 7E-05)*	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	2E-08 *(2E-08, 3E-08)*	6E-08 *(3E-08, 6E-08)*	* *	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	2E-08 *(1E-08, 4E-08)*	5E-08 *(2E-08, 6E-08)*	7E-08 *	-
COBALT	3E-09 *(8E-10, 5E-09)*	7E-08 *	1E-07 *	* *	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	1E-06 *(9E-07, 3E-06)*	2E-05 *(1E-05, 5E-05)*	5E-05 *(1E-05, 9E-05)*	2E-04 *	-
MERCURY (METHYL)[a]	min: 1E-08	median: 5E-05	max: 2E-03		
NICKEL	5E-09 *(3E-09, 6E-09)*	3E-07 *(8E-08, 4E-07)*	4E-07 *(1E-07, 4E-07)*	5E-07 *(4E-07, 5E-07)*	-
SELENIUM	4E-07 *(1E-07, 1E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	5E-10 *(1E-10, 3E-09)*	3E-07 *	6E-07 *	* *	-
THALLIUM	9E-07 *(4E-07, 8E-06)*	1E-04 *(4E-05, 2E-04)*	4E-04 *(4E-04, 4E-04)*	6E-04 *(6E-04, 6E-04)*	-
Hazard Index	4E-04 *(6E-05, 7E-04)*	2E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 3E-05)*	5E-04 *(2E-04, 1E-03)*	1E-03 *(2E-04, 4E-03)*	5E-03 *	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-04 *(7E-05, 2E-04)*	4E-03 *(8E-04, 5E-03)*	5E-03 *(2E-03, 6E-03)*	7E-03 *	-
TCDD-TEQ	2E-04 *(8E-05, 3E-04)*	5E-03 *(9E-04, 9E-03)*	9E-03 *(4E-03, 9E-03)*	9E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D76. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-09 *(3E-09, 1E-08)*	2E-07 *	* *	* *	-
ARSENIC	1E-10 *(1E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(1E-09, 3E-09)*	3E-09 *	-
Additive Risk	7E-09 *(4E-09, 1E-08)*	2E-07 *(2E-08, 3E-07)*	3E-07 *(9E-08, 4E-07)*	4E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(1E-10, 7E-10)*	6E-09 *(2E-09, 1E-08)*	1E-08 *(6E-09, 2E-08)*	3E-08 *	-
ARSENIC	1E-09 *(4E-10, 4E-09)*	4E-08 *(1E-08, 8E-08)*	1E-07 *(3E-08, 2E-07)*	2E-07 *	-
BERYLLIUM	1E-11 *(7E-12, 2E-11)*	3E-10 *(8E-11, 9E-10)*	1E-09 *(2E-10, 2E-09)*	5E-09 *(1E-09, 5E-09)*	-
CADMIUM	1E-10 *(8E-11, 2E-10)*	3E-09 *(2E-09, 3E-09)*	7E-09 *(5E-09, 9E-09)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	4E-09 *(2E-09, 6E-09)*	8E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	3E-11 *(2E-11, 4E-11)*	9E-10 *(6E-10, 1E-09)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	4E-09 *(2E-09, 8E-09)*	7E-08 *(3E-08, 9E-08)*	1E-07 *(5E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(8E-08, 1E-06)*	* *	* *	* *	-
ARSENIC	1E-06 *(2E-07, 2E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(6E-09, 2E-08)*	1E-07 *(1E-07, 2E-07)*	2E-07 *(2E-07, 3E-07)*	8E-07 *(8E-07, 8E-07)*	-
BERYLLIUM	8E-09 *(5E-09, 1E-08)*	1E-07 *(5E-08, 8E-07)*	8E-07 *(9E-08, 1E-06)*	* *	-
CADMIUM	8E-07 *(4E-07, 1E-06)*	3E-05 *(2E-05, 4E-05)*	8E-05 *(7E-05, 8E-05)*	* *	-
CHROMIUM (III)	6E-10 *(4E-10, 8E-10)*	9E-09 *(8E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
CHROMIUM (VI)	3E-09 *(1E-09, 7E-09)*	2E-08 *	4E-08 *	* *	-
COBALT	1E-09 *(5E-10, 4E-09)*	6E-08 *	1E-07 *	* *	-
MANGANESE	7E-09 *(1E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	7E-07 *(4E-07, 1E-06)*	9E-06 *(4E-06, 2E-05)*	2E-05 *(7E-06, 5E-05)*	7E-05 *	-
MERCURY (METHYL)[a]	min: 5E-09	median: 5E-05	max: 2E-03		
NICKEL	4E-09 *(3E-09, 7E-09)*	* *	* *	* *	-
SELENIUM	4E-07 *(2E-07, 2E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	4E-10 *(1E-10, 4E-09)*	4E-07 *	7E-07 *	* *	-
THALLIUM	8E-07 *(3E-07, 7E-06)*	1E-04 *(4E-05, 2E-04)*	3E-04 *(3E-04, 4E-04)*	* *	-
Hazard Index	5E-04 *(4E-05, 8E-04)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 3E-05)*	5E-04 *(2E-04, 1E-03)*	1E-03 *(2E-04, 4E-03)*	5E-03 *	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-04 *(8E-05, 2E-04)*	5E-03 *(5E-04, 7E-03)*	7E-03 *	* *	-
TCDD-TEQ	2E-04 *(8E-05, 3E-04)*	5E-03 *(4E-04, 1E-02)*	1E-02 *(5E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D77. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-09 *(2E-09, 3E-08)*	9E-08 *	* *	* *	-
ARSENIC	9E-11 *(5E-11, 2E-10)*	1E-08 *	* *	* *	-
Additive Risk	8E-09 *(3E-09, 4E-08)*	1E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(6E-11, 2E-10)*	2E-09 *(7E-10, 4E-09)*	5E-09 *(1E-09, 1E-08)*	1E-08 *	-
ARSENIC	6E-10 *(3E-10, 2E-09)*	2E-08 *(8E-09, 2E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *	-
BERYLLIUM	1E-11 *(6E-12, 4E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(4E-10, 1E-09)*	2E-09 *	-
CADMIUM	5E-10 *(3E-10, 8E-10)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(6E-09, 3E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
NICKEL	1E-10 *(6E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *	-
Additive Risk	8E-09 *(6E-09, 1E-08)*	4E-08 *(4E-08, 5E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-07 *(1E-07, 2E-06)*	2E-03 *	* *	* *	-
ARSENIC	2E-06 *(1E-06, 4E-06)*	4E-04 *	* *	* *	-
BARIUM	5E-08 *(3E-08, 8E-08)*	8E-07 *(4E-07, 3E-06)*	4E-06 *(8E-07, 7E-06)*	1E-05 *(8E-06, 1E-05)*	-
BERYLLIUM	9E-08 *(3E-08, 2E-07)*	5E-06 *(1E-06, 2E-05)*	2E-05 *(3E-06, 3E-05)*	4E-05 *(1E-05, 4E-05)*	-
CADMIUM	1E-05 *(4E-06, 2E-05)*	5E-04 *(2E-04, 6E-04)*	6E-04 *(3E-04, 6E-04)*	6E-04 *	-
CHROMIUM (III)	1E-08 *(8E-09, 1E-08)*	1E-07 *(8E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	4E-07 *	-
CHROMIUM (VI)	8E-08 *(4E-08, 3E-07)*	1E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
MANGANESE	2E-08 *(9E-09, 8E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(1E-06, 5E-06)*	9E-05 *(2E-05, 4E-04)*	4E-04 *(5E-05, 9E-04)*	2E-03 *(2E-04, 3E-03)*	-
MERCURY (METHYL)[a]	min: 5E-09	median: 7E-06	max: 4E-03		
NICKEL	8E-08 *(2E-08, 2E-07)*	3E-06 *(8E-07, 7E-06)*	5E-06 *(2E-06, 1E-05)*	2E-05 *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	1E-04 *	* *	* *	-
SILVER	9E-10 *(1E-10, 2E-09)*	5E-07 *	* *	* *	-
THALLIUM	7E-07 *(5E-07, 1E-06)*	1E-05 *	* *	* *	-
Hazard Index	2E-04 *(5E-05, 5E-04)*	5E-03 *(4E-03, 1E-02)*	1E-02 *(5E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-04 *(1E-04, 1E-03)*	5E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D78. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-09 *(2E-09, 3E-08)*	8E-08 *	* *	* *	-
ARSENIC	6E-11 *(3E-11, 9E-11)*	6E-09 *	* *	* *	-
Additive Risk	8E-09 *(3E-09, 4E-08)*	9E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 2E-10)*	2E-09 *(8E-10, 5E-09)*	5E-09 *(1E-09, 1E-08)*	2E-08 *	-
ARSENIC	7E-10 *(4E-10, 2E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
BERYLLIUM	2E-11 *(6E-12, 4E-11)*	7E-10 *(2E-10, 1E-09)*	1E-09 *(5E-10, 2E-09)*	2E-09 *	-
CADMIUM	6E-10 *(4E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	2E-08 *(7E-09, 3E-08)*	4E-08 *	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	8E-08 *	-
NICKEL	1E-10 *(7E-11, 2E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *	-
Additive Risk	9E-09 *(7E-09, 1E-08)*	5E-08 *(4E-08, 6E-08)*	8E-08 *(6E-08, 9E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(5E-08, 9E-07)*	7E-04 *	* *	* *	-
ARSENIC	1E-06 *(6E-07, 2E-06)*	2E-04 *	* *	* *	-
BARIUM	2E-08 *(1E-08, 2E-08)*	2E-07 *(9E-08, 7E-07)*	9E-07 *(2E-07, 1E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	3E-08 *(9E-09, 9E-08)*	1E-06 *	* *	* *	-
CADMIUM	6E-06 *(2E-06, 9E-06)*	* *	* *	* *	-
CHROMIUM (III)	3E-09 *(2E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(3E-08, 9E-08)*	1E-07 *	-
CHROMIUM (VI)	2E-08 *(1E-08, 9E-08)*	* *	* *	* *	-
COBALT	4E-10 *(3E-10, 6E-10)*	5E-09 *(4E-09, 7E-09)*	8E-09 *(7E-09, 9E-09)*	1E-08 *	-
MANGANESE	5E-09 *(3E-09, 2E-08)*	2E-07 *(7E-08, 2E-07)*	2E-07 *	* *	-
MERCURY (DIVALENT)	7E-07 *(4E-07, 1E-06)*	2E-05 *(5E-06, 9E-05)*	9E-05 *(1E-05, 3E-04)*	6E-04 *(7E-05, 7E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 5E-06	max: 3E-03		
NICKEL	3E-08 *(7E-09, 9E-08)*	1E-06 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	7E-05 *	* *	* *	-
SILVER	2E-10 *(6E-11, 9E-10)*	3E-07 *	* *	* *	-
THALLIUM	4E-07 *(3E-07, 7E-07)*	9E-06 *	* *	* *	-
Hazard Index	1E-04 *(2E-05, 3E-04)*	3E-03 *(1E-03, 9E-03)*	9E-03 *(3E-03, 9E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(7E-05, 9E-04)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D79. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(9E-10, 1E-08)*	5E-08 *	* *	* *	-
ARSENIC	3E-11 *(1E-11, 7E-11)*	7E-09 *	* *	* *	-
Additive Risk	4E-09 *(1E-09, 2E-08)*	5E-08 *(2E-08, 1E-07)*	1E-07 *(3E-08, 2E-07)*	3E-07 *(6E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(4E-11, 1E-10)*	1E-09 *(5E-10, 3E-09)*	3E-09 *(9E-10, 7E-09)*	1E-08 *	-
ARSENIC	5E-10 *(2E-10, 1E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	1E-11 *(4E-12, 3E-11)*	5E-10 *(1E-10, 8E-10)*	9E-10 *(3E-10, 1E-09)*	1E-09 *	-
CADMIUM	4E-10 *(2E-10, 6E-10)*	5E-09 *(2E-09, 9E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *	-
CHROMIUM (VI)	2E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(2E-08, 3E-08)*	5E-08 *	-
NICKEL	7E-11 *(5E-11, 1E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *(8E-10, 2E-09)*	3E-09 *	-
Additive Risk	6E-09 *(4E-09, 7E-09)*	3E-08 *(3E-08, 4E-08)*	5E-08 *(4E-08, 6E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(3E-08, 5E-07)*	7E-04 *	* *	* *	-
ARSENIC	6E-07 *(3E-07, 1E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(9E-09, 1E-08)*	1E-07 *(6E-08, 4E-07)*	5E-07 *(1E-07, 9E-07)*	2E-06 *(9E-07, 2E-06)*	-
BERYLLIUM	1E-08 *(5E-09, 5E-08)*	7E-07 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
CHROMIUM (VI)	1E-08 *(9E-09, 5E-08)*	* *	* *	* *	-
COBALT	9E-10 *(6E-10, 3E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *(2E-09, 9E-09)*	* *	* *	* *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 7E-07)*	1E-05 *(3E-06, 6E-05)*	6E-05 *(7E-06, 1E-04)*	3E-04 *(3E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 3E-06	max: 2E-03		
NICKEL	2E-08 *(4E-09, 6E-08)*	1E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 1E-06)*	4E-05 *	* *	* *	-
SILVER	1E-10 *(3E-11, 6E-10)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	7E-06 *	* *	* *	-
Hazard Index	8E-05 *(1E-05, 2E-04)*	2E-03 *(9E-04, 5E-03)*	5E-03 *(2E-03, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-05 *(3E-05, 5E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	1E-04 *(4E-05, 8E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(1E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D80. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 3E-08)*	7E-08 *	* *	* *	-
ARSENIC	4E-11 *(2E-11, 9E-11)*	* *	* *	* *	-
Additive Risk	5E-09 *(2E-09, 3E-08)*	8E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	8E-11 *(5E-11, 1E-10)*	2E-09 *(6E-10, 4E-09)*	4E-09 *(1E-09, 8E-09)*	1E-08 *	-
ARSENIC	5E-10 *(3E-10, 1E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	1E-11 *(5E-12, 3E-11)*	5E-10 *(2E-10, 9E-10)*	1E-09 *(4E-10, 1E-09)*	2E-09 *	-
CADMIUM	4E-10 *(3E-10, 7E-10)*	6E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	6E-08 *	-
NICKEL	8E-11 *(5E-11, 1E-10)*	8E-10 *(5E-10, 1E-09)*	1E-09 *(9E-10, 2E-09)*	4E-09 *	-
Additive Risk	7E-09 *(5E-09, 8E-09)*	4E-08 *(3E-08, 4E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(2E-08, 6E-07)*	7E-04 *	* *	* *	-
ARSENIC	5E-07 *(2E-07, 1E-06)*	1E-04 *	* *	* *	-
BARIUM	9E-09 *(5E-09, 1E-08)*	5E-08 *(2E-08, 1E-07)*	2E-07 *(4E-08, 4E-07)*	6E-07 *(4E-07, 8E-07)*	-
BERYLLIUM	8E-09 *(2E-09, 3E-08)*	4E-07 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	6E-10 *(5E-10, 9E-10)*	7E-09 *(4E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	2E-08 *	-
CHROMIUM (VI)	1E-08 *(6E-09, 3E-08)*	3E-06 *	* *	* *	-
COBALT	8E-10 *(2E-10, 1E-09)*	6E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 5E-09)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(9E-08, 3E-07)*	6E-06 *(1E-06, 2E-05)*	2E-05 *(3E-06, 7E-05)*	1E-04 *	-
MERCURY (METHYL)[a]	min: 6E-10	median: 3E-06	max: 2E-03		
NICKEL	8E-09 *(2E-09, 6E-08)*	1E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 1E-06)*	5E-05 *	* *	* *	-
SILVER	9E-11 *(2E-11, 6E-10)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 3E-07)*	6E-06 *	* *	* *	-
Hazard Index	9E-05 *(1E-05, 2E-04)*	2E-03 *(6E-04, 6E-03)*	6E-03 *(2E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-05 *(4E-05, 7E-04)*	2E-03 *	* *	* *	-
TCDD-TEQ	1E-04 *(4E-05, 8E-04)*	2E-03 *(9E-04, 1E-02)*	1E-02 *(2E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D81. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(2E-10, 1E-09)*	1E-08 *(3E-09, 5E-08)*	5E-08 *(6E-09, 8E-08)*	2E-07 *(6E-08, 3E-07)*	-
ARSENIC	9E-12 *(5E-12, 4E-11)*	4E-10 *(1E-10, 6E-10)*	6E-10 *(2E-10, 7E-10)*	8E-10 *	-
Additive Risk	1E-09 *(6E-10, 2E-09)*	2E-08 *(4E-09, 6E-08)*	6E-08 *(7E-09, 9E-08)*	3E-07 *(6E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(7E-12, 4E-11)*	9E-10 *(3E-10, 3E-09)*	4E-09 *(8E-10, 9E-09)*	2E-08 *	-
ARSENIC	4E-11 *(2E-11, 1E-10)*	2E-09 *(1E-09, 5E-09)*	5E-09 *(2E-09, 8E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 4E-12)*	3E-11 *(2E-11, 6E-11)*	8E-11 *(4E-11, 2E-10)*	3E-10 *(2E-10, 4E-10)*	-
CADMIUM	4E-11 *(3E-11, 6E-11)*	4E-10 *(2E-10, 7E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(2E-10, 5E-10)*	4E-09 *(2E-09, 7E-09)*	9E-09 *(4E-09, 1E-08)*	2E-08 *	-
NICKEL	6E-12 *(3E-12, 1E-11)*	1E-10 *(6E-11, 2E-10)*	3E-10 *(1E-10, 5E-10)*	1E-09 *	-
Additive Risk	8E-10 *(4E-10, 1E-09)*	1E-08 *(6E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(4E-09, 5E-08)*	2E-06 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 9E-07)*	9E-06 *(3E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	2E-05 *	-
BARIUM	8E-09 *(3E-09, 2E-08)*	2E-07 *(1E-07, 3E-07)*	4E-07 *(2E-07, 5E-07)*	1E-06 *(6E-07, 2E-06)*	-
BERYLLIUM	1E-08 *(7E-09, 2E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	9E-07 *(4E-07, 1E-06)*	-
CADMIUM	9E-07 *(7E-07, 3E-06)*	9E-06 *(4E-06, 2E-05)*	2E-05 *(5E-06, 3E-05)*	6E-05 *	-
CHROMIUM (III)	9E-10 *(4E-10, 1E-09)*	2E-08 *(1E-08, 5E-08)*	8E-08 *(4E-08, 9E-08)*	2E-07 *(1E-07, 2E-07)*	-
CHROMIUM (VI)	9E-09 *(7E-09, 3E-08)*	1E-06 *	* *	* *	-
COBALT	3E-10 *(2E-10, 5E-10)*	5E-09 *(4E-09, 8E-09)*	1E-08 *(8E-09, 1E-08)*	3E-08 *(2E-08, 3E-08)*	-
MANGANESE	8E-09 *(3E-09, 1E-08)*	1E-07 *(3E-08, 5E-07)*	4E-07 *(8E-08, 7E-07)*	* *	-
MERCURY (DIVALENT)	4E-07 *(1E-07, 1E-06)*	3E-05 *(9E-06, 8E-05)*	9E-05 *(2E-05, 2E-04)*	8E-04 *(9E-05, 9E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	4E-09 *(3E-09, 5E-09)*	3E-07 *	* *	* *	-
SELENIUM	3E-07 *(9E-08, 7E-07)*	6E-06 *	* *	* *	-
SILVER	2E-09 *(8E-10, 2E-08)*	1E-07 *	* *	* *	-
THALLIUM	3E-07 *(1E-07, 9E-07)*	9E-06 *(6E-06, 2E-05)*	2E-05 *(8E-06, 3E-05)*	4E-05 *(2E-05, 5E-05)*	-
Hazard Index	5E-05 *(2E-05, 8E-05)*	7E-04 *(1E-04, 1E-02)*	1E-02 *(6E-04, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(1E-05, 6E-05)*	7E-04 *(1E-04, 2E-03)*	2E-03 *(3E-04, 4E-03)*	9E-03 *(3E-03, 1E-02)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D82. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(2E-10, 1E-09)*	9E-09 *(2E-09, 4E-08)*	5E-08 *(6E-09, 6E-08)*	* *	-
ARSENIC	7E-12 *(4E-12, 3E-11)*	3E-10 *	* *	* *	-
Additive Risk	1E-09 *(4E-10, 2E-09)*	9E-09 *(2E-09, 4E-08)*	5E-08 *(6E-09, 6E-08)*	3E-07 *(4E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(8E-12, 4E-11)*	1E-09 *(4E-10, 3E-09)*	5E-09 *(1E-09, 1E-08)*	2E-08 *	-
ARSENIC	5E-11 *(2E-11, 2E-10)*	3E-09 *(1E-09, 6E-09)*	6E-09 *(3E-09, 9E-09)*	1E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 4E-12)*	4E-11 *(2E-11, 7E-11)*	9E-11 *(4E-11, 2E-10)*	3E-10 *(2E-10, 5E-10)*	-
CADMIUM	5E-11 *(3E-11, 7E-11)*	4E-10 *(3E-10, 8E-10)*	9E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	4E-09 *(3E-09, 8E-09)*	1E-08 *(4E-09, 2E-08)*	3E-08 *	-
NICKEL	7E-12 *(3E-12, 1E-11)*	2E-10 *(7E-11, 3E-10)*	3E-10 *(2E-10, 6E-10)*	1E-09 *	-
Additive Risk	1E-09 *(5E-10, 1E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(1E-09, 1E-08)*	1E-06 *	* *	* *	-
ARSENIC	1E-07 *(8E-08, 6E-07)*	5E-06 *	* *	* *	-
BARIUM	2E-09 *(9E-10, 5E-09)*	8E-08 *(5E-08, 1E-07)*	1E-07 *(8E-08, 2E-07)*	4E-07 *(2E-07, 5E-07)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	5E-08 *(2E-08, 6E-08)*	8E-08 *(4E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	-
CADMIUM	7E-07 *(4E-07, 1E-06)*	4E-06 *(2E-06, 9E-06)*	8E-06 *(3E-06, 2E-05)*	4E-05 *	-
CHROMIUM (III)	2E-10 *(9E-11, 4E-10)*	8E-09 *(3E-09, 1E-08)*	2E-08 *(9E-09, 2E-08)*	4E-08 *(3E-08, 6E-08)*	-
CHROMIUM (VI)	4E-09 *(3E-09, 1E-08)*	3E-07 *	* *	* *	-
COBALT	9E-11 *(6E-11, 1E-10)*	1E-09 *(9E-10, 2E-09)*	3E-09 *(2E-09, 4E-09)*	7E-09 *(5E-09, 8E-09)*	-
MANGANESE	3E-09 *(9E-10, 6E-09)*	5E-08 *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(3E-08, 3E-07)*	9E-06 *(2E-06, 2E-05)*	2E-05 *(6E-06, 6E-05)*	2E-04 *(2E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	2E-09 *(1E-09, 3E-09)*	1E-07 *	* *	* *	-
SELENIUM	2E-07 *(6E-08, 5E-07)*	4E-06 *	* *	* *	-
SILVER	9E-10 *(2E-10, 9E-09)*	8E-08 *(3E-08, 4E-07)*	4E-07 *	* *	-
THALLIUM	2E-07 *(8E-08, 7E-07)*	6E-06 *(3E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	3E-05 *	-
Hazard Index	3E-05 *(1E-05, 6E-05)*	5E-04 *(8E-05, 8E-03)*	8E-03 *(5E-04, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(8E-06, 5E-05)*	3E-04 *(8E-05, 1E-03)*	1E-03 *(2E-04, 2E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D83. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(9E-11, 8E-10)*	6E-09 *(1E-09, 2E-08)*	2E-08 *(3E-09, 4E-08)*	* *	-
ARSENIC	4E-12 *(2E-12, 2E-11)*	2E-10 *	* *	* *	-
Additive Risk	6E-10 *(2E-10, 8E-10)*	6E-09 *(1E-09, 2E-08)*	3E-08 *(3E-09, 4E-08)*	2E-07 *(2E-08, 2E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(5E-12, 3E-11)*	7E-10 *(2E-10, 2E-09)*	3E-09 *(6E-10, 7E-09)*	2E-08 *	-
ARSENIC	3E-11 *(1E-11, 1E-10)*	2E-09 *(9E-10, 4E-09)*	4E-09 *(2E-09, 6E-09)*	7E-09 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	3E-11 *(1E-11, 5E-11)*	6E-11 *(3E-11, 1E-10)*	2E-10 *(1E-10, 3E-10)*	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(2E-10, 5E-10)*	6E-10 *(3E-10, 8E-10)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	3E-09 *(2E-09, 5E-09)*	7E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	4E-12 *(2E-12, 8E-12)*	1E-10 *(4E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	8E-10 *	-
Additive Risk	6E-10 *(3E-10, 9E-10)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	4E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-09 *(9E-10, 9E-09)*	7E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 3E-07)*	4E-06 *	* *	* *	-
BARIUM	9E-10 *(5E-10, 3E-09)*	5E-08 *(3E-08, 6E-08)*	7E-08 *(5E-08, 9E-08)*	2E-07 *(8E-08, 3E-07)*	-
BERYLLIUM	2E-09 *(1E-09, 4E-09)*	2E-08 *(1E-08, 4E-08)*	4E-08 *(2E-08, 6E-08)*	1E-07 *(6E-08, 1E-07)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *(1E-06, 7E-06)*	7E-06 *	* *	-
CHROMIUM (III)	1E-10 *(5E-11, 2E-10)*	4E-09 *(2E-09, 7E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	-
CHROMIUM (VI)	2E-09 *(2E-09, 6E-09)*	3E-07 *	* *	* *	-
COBALT	4E-10 *(2E-10, 1E-09)*	1E-08 *	* *	* *	-
MANGANESE	1E-09 *(7E-10, 4E-09)*	3E-08 *	* *	* *	-
MERCURY (DIVALENT)	5E-08 *(1E-08, 2E-07)*	5E-06 *(1E-06, 1E-05)*	1E-05 *(3E-06, 3E-05)*	9E-05 *(1E-05, 1E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 7E-06	max: 4E-03		
NICKEL	1E-09 *(9E-10, 2E-09)*	6E-08 *	* *	* *	-
SELENIUM	8E-08 *(3E-08, 3E-07)*	2E-06 *	* *	* *	-
SILVER	6E-10 *(1E-10, 5E-09)*	6E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 4E-07)*	3E-06 *(1E-06, 7E-06)*	7E-06 *(3E-06, 9E-06)*	1E-05 *	-
Hazard Index	1E-05 *(8E-06, 3E-05)*	3E-04 *(5E-05, 4E-03)*	4E-03 *(3E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(3E-06, 1E-05)*	1E-04 *(3E-05, 6E-04)*	7E-04 *(9E-05, 9E-04)*	* *	-
TCDD-TEQ	2E-05 *(4E-06, 3E-05)*	2E-04 *(5E-05, 8E-04)*	9E-04 *(1E-04, 1E-03)*	5E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D84. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(1E-10, 9E-10)*	6E-09 *(1E-09, 3E-08)*	3E-08 *(4E-09, 6E-08)*	1E-07 *(3E-08, 2E-07)*	-
ARSENIC	6E-12 *(3E-12, 2E-11)*	2E-10 *	* *	* *	-
Additive Risk	9E-10 *(3E-10, 1E-09)*	6E-09 *(1E-09, 3E-08)*	4E-08 *(4E-09, 6E-08)*[A]	1E-07 *(3E-08, 2E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(6E-12, 3E-11)*	8E-10 *(3E-10, 3E-09)*	4E-09 *(7E-10, 8E-09)*	2E-08 *	-
ARSENIC	4E-11 *(2E-11, 1E-10)*	2E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 6E-09)*	8E-09 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	3E-11 *(2E-11, 5E-11)*	7E-11 *(3E-11, 1E-10)*	2E-10 *(2E-10, 3E-10)*	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	3E-09 *(2E-09, 6E-09)*	8E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(3E-12, 9E-12)*	1E-10 *(5E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	9E-10 *	-
Additive Risk	7E-10 *(3E-10, 1E-09)*	8E-09 *(5E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	5E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-09 *(8E-10, 9E-09)*	9E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 3E-07)*	3E-06 *	* *	* *	-
BARIUM	5E-10 *(2E-10, 1E-09)*	4E-08 *(1E-08, 6E-08)*	6E-08 *(3E-08, 9E-08)*	1E-07 *(6E-08, 1E-07)*	-
BERYLLIUM	1E-09 *(9E-10, 3E-09)*	1E-08 *(9E-09, 3E-08)*	4E-08 *(1E-08, 5E-08)*	7E-08 *(4E-08, 9E-08)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *(1E-06, 8E-06)*	8E-06 *	* *	-
CHROMIUM (III)	6E-11 *(2E-11, 9E-11)*	1E-09 *(8E-10, 2E-09)*	4E-09 *(2E-09, 5E-09)*	9E-09 *	-
CHROMIUM (VI)	3E-09 *(1E-09, 4E-09)*	2E-07 *	* *	* *	-
COBALT	3E-10 *(1E-10, 1E-09)*	1E-08 *	* *	* *	-
MANGANESE	9E-10 *(4E-10, 4E-09)*	4E-08 *	* *	* *	-
MERCURY (DIVALENT)	2E-08 *(7E-09, 1E-07)*	2E-06 *(6E-07, 5E-06)*	6E-06 *(1E-06, 1E-05)*	5E-05 *(5E-06, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 7E-06	max: 5E-03		
NICKEL	1E-09 *(9E-10, 2E-09)*	6E-08 *	* *	* *	-
SELENIUM	9E-08 *(4E-08, 3E-07)*	3E-06 *	* *	* *	-
SILVER	7E-10 *(1E-10, 5E-09)*	6E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 4E-07)*	3E-06 *(2E-06, 8E-06)*	8E-06 *	* *	-
Hazard Index	2E-05 *(8E-06, 4E-05)*	3E-04 *(9E-05, 5E-03)*	5E-03 *(3E-04, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(4E-06, 2E-05)*	1E-04 *(3E-05, 8E-04)*	8E-04 *(9E-05, 1E-03)*	* *	-
TCDD-TEQ	2E-05 *(4E-06, 3E-05)*	1E-04 *(3E-05, 8E-04)*	8E-04 *(9E-05, 1E-03)*	6E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D85. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-08 *(9E-09, 4E-08)*	2E-07 *(9E-08, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *	-
ARSENIC	2E-11 *(9E-12, 5E-11)*	3E-10 *(9E-11, 1E-09)*	1E-09 *(2E-10, 4E-09)*	1E-08 *	-
Additive Risk	3E-08 *(9E-09, 5E-08)*	3E-07 *(9E-08, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *(3E-07, 6E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09 *(1E-09, 3E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 4E-08)*	8E-08 *	-
ARSENIC	1E-10 *(6E-11, 3E-10)*	9E-09 *(1E-09, 4E-08)*	4E-08 *(3E-09, 1E-07)*	3E-07 *	-
BERYLLIUM	8E-12 *(4E-12, 2E-11)*	2E-10 *(7E-11, 3E-10)*	3E-10 *(2E-10, 7E-10)*	1E-09 *	-
CADMIUM	1E-10 *(9E-11, 2E-10)*	2E-09 *(6E-10, 6E-09)*	5E-09 *(1E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 2E-09)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	6E-08 *	-
NICKEL	4E-11 *(2E-11, 7E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	2E-09 *	-
Additive Risk	6E-09 *(4E-09, 9E-09)*	5E-08 *(3E-08, 9E-08)*	9E-08 *(4E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(5E-08, 1E-06)*	1E-05 *(3E-06, 2E-05)*	2E-05 *(4E-06, 2E-05)*	4E-05 *	-
ARSENIC	4E-07 *(2E-07, 1E-06)*	8E-06 *(3E-06, 3E-05)*	3E-05 *(5E-06, 9E-05)*	4E-04 *	-
BARIUM	5E-08 *(3E-08, 9E-08)*	9E-07 *(4E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	6E-06 *(4E-06, 6E-06)*	-
BERYLLIUM	3E-08 *(1E-08, 5E-08)*	4E-07 *(2E-07, 1E-06)*	1E-06 *(4E-07, 2E-06)*	9E-06 *	-
CADMIUM	1E-06 *(6E-07, 3E-06)*	8E-05 *(1E-05, 3E-04)*	3E-04 *(2E-05, 4E-04)*	4E-04 *	-
CHROMIUM (III)	6E-09 *(4E-09, 8E-09)*	9E-08 *(6E-08, 1E-07)*	1E-07 *(1E-07, 2E-07)*	4E-07 *	-
CHROMIUM (VI)	4E-08 *(2E-08, 1E-07)*	2E-06 *	* *	* *	-
COBALT	1E-09 *(9E-10, 1E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	6E-08 *	-
MANGANESE	2E-08 *(1E-08, 4E-08)*	2E-07 *(9E-08, 3E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
MERCURY (DIVALENT)	9E-07 *(3E-07, 4E-06)*	1E-04 *(2E-05, 2E-04)*	3E-04 *(9E-05, 6E-04)*	9E-04 *(2E-04, 2E-03)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	1E-08 *(6E-09, 2E-08)*	6E-07 *	* *	* *	-
SELENIUM	1E-07 *(6E-08, 1E-06)*	4E-05 *	* *	* *	-
SILVER	4E-10 *(1E-10, 5E-09)*	3E-07 *	* *	* *	-
THALLIUM	9E-07 *(6E-07, 2E-06)*	2E-05 *(1E-05, 6E-05)*	6E-05 *(2E-05, 8E-05)*	1E-04 *	-
Hazard Index	8E-05 *(3E-05, 1E-04)*	5E-03 *(1E-03, 8E-03)*	5E-03 *(2E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-03 *(4E-04, 2E-03)*	1E-02 *(4E-03, 1E-02)*	1E-02 *(9E-03, 2E-02)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D86. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08 *(7E-09, 3E-08)*	2E-07 *	* *	* *	-
ARSENIC	9E-12 *(5E-12, 4E-11)*	2E-10 *(9E-11, 5E-10)*	6E-10 *(1E-10, 2E-09)*	6E-09 *	-
Additive Risk	2E-08 *(8E-09, 4E-08)*	3E-07 *(6E-08, 3E-07)*	3E-07 *(2E-07, 5E-07)*	5E-07 *(3E-07, 5E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09 *(1E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 5E-08)*	1E-07 *	-
ARSENIC	2E-10 *(7E-11, 4E-10)*	1E-08 *(2E-09, 4E-08)*	4E-08 *(4E-09, 1E-07)*	3E-07 *	-
BERYLLIUM	9E-12 *(4E-12, 2E-11)*	2E-10 *(8E-11, 4E-10)*	4E-10 *(2E-10, 8E-10)*	1E-09 *	-
CADMIUM	2E-10 *(1E-10, 2E-10)*	2E-09 *(7E-10, 7E-09)*	6E-09 *(1E-09, 2E-08)*	4E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 2E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	7E-08 *	-
NICKEL	4E-11 *(2E-11, 8E-11)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	3E-09 *	-
Additive Risk	7E-09 *(5E-09, 1E-08)*	6E-08 *(3E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	4E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(1E-08, 7E-07)*	3E-06 *(1E-06, 8E-06)*	8E-06 *(2E-06, 9E-06)*	9E-06 *	-
ARSENIC	2E-07 *(9E-08, 8E-07)*	4E-06 *(1E-06, 9E-06)*	9E-06 *(2E-06, 3E-05)*	9E-05 *	-
BARIUM	1E-08 *(7E-09, 4E-08)*	2E-07 *(1E-07, 4E-07)*	5E-07 *(3E-07, 6E-07)*	* *	-
BERYLLIUM	9E-09 *(5E-09, 1E-08)*	1E-07 *(6E-08, 3E-07)*	3E-07 *(1E-07, 6E-07)*	2E-06 *	-
CADMIUM	9E-07 *(2E-07, 1E-06)*	5E-05 *	* *	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 6E-08)*	1E-07 *	-
CHROMIUM (VI)	1E-08 *(7E-09, 4E-08)*	8E-07 *	* *	* *	-
COBALT	3E-10 *(2E-10, 5E-10)*	4E-09 *(3E-09, 6E-09)*	7E-09 *(5E-09, 8E-09)*	1E-08 *	-
MANGANESE	8E-09 *(3E-09, 1E-08)*	7E-08 *	* *	* *	-
MERCURY (DIVALENT)	2E-07 *(9E-08, 1E-06)*	3E-05 *(6E-06, 7E-05)*	7E-05 *(2E-05, 1E-04)*	2E-04 *(6E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 2E-09	median: 2E-05	max: 8E-03		
NICKEL	5E-09 *(2E-09, 1E-08)*	3E-07 *	* *	* *	-
SELENIUM	9E-08 *(4E-08, 1E-06)*	3E-05 *	* *	* *	-
SILVER	1E-10 *(6E-11, 1E-09)*	1E-07 *	* *	* *	-
THALLIUM	7E-07 *(2E-07, 1E-06)*	1E-05 *(7E-06, 4E-05)*	4E-05 *(9E-06, 5E-05)*	6E-05 *(1E-05, 7E-05)*	-
Hazard Index	3E-05 *(1E-05, 6E-05)*	3E-03 *(2E-04, 6E-03)*	4E-03 *(1E-03, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-04 *(2E-04, 1E-03)*	9E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D87. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-09 *(4E-09, 2E-08)*	1E-07 *	* *	* *	-
ARSENIC	7E-12 *(3E-12, 2E-11)*	1E-10 *(5E-11, 3E-10)*	3E-10 *(8E-11, 7E-10)*	3E-09 *	-
Additive Risk	9E-09 *(4E-09, 2E-08)*	1E-07 *(4E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	3E-07 *(2E-07, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-09 *(8E-10, 2E-09)*	1E-08 *(8E-09, 1E-08)*	1E-08 *(1E-08, 3E-08)*	6E-08 *	-
ARSENIC	1E-10 *(5E-11, 2E-10)*	7E-09 *(1E-09, 3E-08)*	3E-08 *(2E-09, 9E-08)*	2E-07 *	-
BERYLLIUM	6E-12 *(3E-12, 1E-11)*	1E-10 *(5E-11, 2E-10)*	2E-10 *(1E-10, 5E-10)*	8E-10 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(5E-10, 4E-09)*	4E-09 *(8E-10, 1E-08)*	2E-08 *	-
CHROMIUM (VI)	1E-09 *(8E-10, 2E-09)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *	-
NICKEL	3E-11 *(1E-11, 5E-11)*	4E-10 *(2E-10, 7E-10)*	8E-10 *(4E-10, 1E-09)*	2E-09 *	-
Additive Risk	5E-09 *(3E-09, 7E-09)*	4E-08 *(2E-08, 7E-08)*	7E-08 *(3E-08, 2E-07)*	2E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(9E-09, 4E-07)*	2E-06 *(9E-07, 6E-06)*	5E-06 *(1E-06, 6E-06)*	6E-06 *	-
ARSENIC	9E-08 *(5E-08, 4E-07)*	2E-06 *(9E-07, 5E-06)*	6E-06 *(1E-06, 1E-05)*	6E-05 *	-
BARIUM	8E-09 *(4E-09, 2E-08)*	1E-07 *(6E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	8E-07 *(6E-07, 8E-07)*	-
BERYLLIUM	6E-09 *(2E-09, 9E-09)*	7E-08 *(3E-08, 1E-07)*	1E-07 *(6E-08, 3E-07)*	1E-06 *	-
CADMIUM	5E-07 *(1E-07, 9E-07)*	3E-05 *(3E-06, 8E-05)*	7E-05 *	* *	-
CHROMIUM (III)	8E-10 *(6E-10, 9E-10)*	1E-08 *(9E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *	-
CHROMIUM (VI)	9E-09 *(4E-09, 2E-08)*	6E-07 *	* *	* *	-
COBALT	9E-10 *(5E-10, 3E-09)*	2E-08 *(8E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	4E-08 *	-
MANGANESE	4E-09 *(1E-09, 9E-09)*	4E-08 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(6E-08, 6E-07)*	2E-05 *(3E-06, 4E-05)*	4E-05 *(1E-05, 7E-05)*	1E-04 *(3E-05, 2E-04)*	-
MERCURY (METHYL)[a]	min: 9E-10	median: 1E-05	max: 4E-03		
NICKEL	3E-09 *(1E-09, 7E-09)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 7E-07)*	9E-06 *	* *	* *	-
SILVER	9E-11 *(3E-11, 9E-10)*	1E-07 *	* *	* *	-
THALLIUM	4E-07 *(1E-07, 7E-07)*	7E-06 *(4E-06, 2E-05)*	2E-05 *(6E-06, 3E-05)*	3E-05 *(8E-06, 4E-05)*	-
Hazard Index	2E-05 *(8E-06, 4E-05)*	2E-03 *(2E-04, 3E-03)*	2E-03 *(7E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04 *(1E-04, 5E-04)*	3E-03 *(9E-04, 4E-03)*	4E-03 *(3E-03, 6E-03)*	7E-03 *	-
TCDD-TEQ	3E-04 *(1E-04, 7E-04)*	5E-03 *(1E-03, 9E-03)*	9E-03 *(4E-03, 9E-03)*	9E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D88. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-09 *(5E-09, 3E-08)*	2E-07 *	* *	* *	-
ARSENIC	8E-12 *(2E-12, 3E-11)*	1E-10 *(6E-11, 2E-10)*	2E-10 *(1E-10, 5E-10)*	2E-09 *	-
Additive Risk	8E-09 *(6E-09, 3E-08)*	2E-07 *(5E-08, 3E-07)*	3E-07 *(2E-07, 4E-07)*	4E-07 *(2E-07, 4E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-09 *(9E-10, 3E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	7E-08 *	-
ARSENIC	1E-10 *(5E-11, 3E-10)*	8E-09 *(1E-09, 3E-08)*	3E-08 *(3E-09, 1E-07)*	2E-07 *	-
BERYLLIUM	6E-12 *(3E-12, 1E-11)*	1E-10 *(6E-11, 3E-10)*	3E-10 *(1E-10, 6E-10)*	9E-10 *	-
CADMIUM	1E-10 *(8E-11, 2E-10)*	2E-09 *(5E-10, 5E-09)*	4E-09 *(9E-10, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	1E-09 *(9E-10, 2E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *	-
NICKEL	3E-11 *(1E-11, 6E-11)*	5E-10 *(2E-10, 8E-10)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
Additive Risk	5E-09 *(4E-09, 8E-09)*	4E-08 *(2E-08, 8E-08)*	8E-08 *(3E-08, 2E-07)*	3E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(5E-09, 4E-07)*	2E-06 *	* *	* *	-
ARSENIC	9E-08 *(3E-08, 3E-07)*	1E-06 *(7E-07, 3E-06)*	3E-06 *(1E-06, 6E-06)*	2E-05 *	-
BARIUM	4E-09 *(2E-09, 9E-09)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(8E-08, 1E-07)*	3E-07 *(2E-07, 3E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 7E-09)*	5E-08 *(1E-08, 7E-08)*	9E-08 *(3E-08, 1E-07)*	6E-07 *	-
CADMIUM	5E-07 *(8E-08, 1E-06)*	3E-05 *	* *	* *	-
CHROMIUM (III)	3E-10 *(2E-10, 4E-10)*	5E-09 *(3E-09, 7E-09)*	8E-09 *(6E-09, 1E-08)*	2E-08 *	-
CHROMIUM (VI)	8E-09 *(2E-09, 2E-08)*	6E-07 *	* *	* *	-
COBALT	7E-10 *(3E-10, 3E-09)*	2E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 7E-09)*	5E-08 *	* *	* *	-
MERCURY (DIVALENT)	7E-08 *(2E-08, 3E-07)*	8E-06 *(1E-06, 1E-05)*	1E-05 *(6E-06, 4E-05)*	5E-05 *(1E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 9E-10	median: 1E-05	max: 5E-03		
NICKEL	2E-09 *(9E-10, 8E-09)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 8E-07)*	2E-05 *	* *	* *	-
SILVER	9E-11 *(3E-11, 7E-10)*	1E-07 *	* *	* *	-
THALLIUM	4E-07 *(5E-08, 7E-07)*	8E-06 *(4E-06, 1E-05)*	1E-05 *(4E-06, 2E-05)*	3E-05 *	-
Hazard Index	2E-05 *(9E-06, 4E-05)*	2E-03 *(1E-04, 4E-03)*	2E-03 *(8E-04, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	1E-04 *(1E-05, 6E-04)*	6E-04 *(3E-05, 2E-03)*	4E-03 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04 *(1E-04, 7E-04)*	5E-03 *(9E-04, 7E-03)*	7E-03 *(3E-03, 8E-03)*	* *	-
TCDD-TEQ	2E-04 *(1E-04, 7E-04)*	5E-03 *(1E-03, 1E-02)*	1E-02 *(5E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D89. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(8E-10, 1E-09)*	4E-08 *(1E-08, 7E-08)*	8E-08 *(4E-08, 1E-07)*	* *	-
ARSENIC	5E-11 *(1E-11, 9E-11)*	1E-09 *(7E-10, 9E-09)*	1E-08 *(2E-09, 2E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	4E-08 *(2E-08, 7E-08)*	8E-08 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 4E-11)*	4E-10 *(3E-10, 6E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	2E-10 *(6E-11, 5E-10)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *	-
BERYLLIUM	4E-12 *(3E-12, 6E-12)*	2E-10 *(6E-11, 5E-10)*	6E-10 *(2E-10, 1E-09)*	2E-09 *	-
CADMIUM	9E-11 *(6E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(2E-09, 8E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(3E-10, 7E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(8E-12, 3E-11)*	4E-10 *(3E-10, 6E-10)*	9E-10 *(6E-10, 1E-09)*	4E-09 *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-08 *(1E-08, 1E-07)*	4E-04 *(1E-05, 2E-03)*	2E-03 *(3E-04, 3E-03)*	* *	-
ARSENIC	1E-06 *(3E-07, 2E-06)*	3E-05 *(1E-05, 2E-04)*	3E-04 *(4E-05, 5E-04)*	* *	-
BARIUM	2E-08 *(1E-08, 4E-08)*	5E-07 *(3E-07, 7E-07)*	1E-06 *(6E-07, 2E-06)*	9E-06 *(4E-06, 1E-05)*	-
BERYLLIUM	2E-08 *(1E-08, 3E-08)*	9E-07 *(4E-07, 2E-06)*	4E-06 *(1E-06, 2E-05)*	3E-05 *(8E-06, 4E-05)*	-
CADMIUM	3E-06 *(1E-06, 4E-06)*	5E-05 *(2E-05, 2E-04)*	3E-04 *(6E-05, 5E-04)*	6E-04 *(4E-04, 6E-04)*	-
CHROMIUM (III)	2E-09 *(1E-09, 4E-09)*	7E-08 *(5E-08, 9E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(3E-07, 5E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 4E-08)*	2E-06 *(3E-07, 1E-05)*	2E-05 *(2E-06, 3E-05)*	* *	-
COBALT	7E-10 *(5E-10, 9E-10)*	1E-08 *(9E-09, 1E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(6E-08, 9E-08)*	-
MANGANESE	9E-09 *(6E-09, 1E-08)*	4E-07 *(1E-07, 7E-07)*	7E-07 *(3E-07, 8E-07)*	9E-07 *	-
MERCURY (DIVALENT)	1E-06 *(7E-07, 3E-06)*	5E-05 *(2E-05, 1E-04)*	2E-04 *(6E-05, 4E-04)*	1E-03 *(3E-04, 2E-03)*	-
MERCURY (METHYL)[a]	min: 4E-09	median: 2E-05	max: 1E-02		
NICKEL	7E-09 *(4E-09, 1E-08)*	2E-06 *(5E-07, 5E-06)*	5E-06 *(1E-06, 6E-06)*	1E-05 *(3E-06, 2E-05)*	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(9E-06, 4E-05)*	7E-05 *(2E-05, 2E-04)*	* *	-
SILVER	2E-09 *(9E-10, 8E-09)*	4E-07 *(9E-08, 8E-07)*	1E-06 *(3E-07, 3E-06)*	* *	-
THALLIUM	6E-07 *(3E-07, 9E-07)*	2E-05 *(7E-06, 4E-05)*	9E-05 *(3E-05, 7E-04)*	9E-04 *(3E-04, 1E-03)*	-
Hazard Index	9E-05 *(4E-05, 2E-04)*	4E-03 *(1E-03, 1E-02)*	1E-02 *(4E-03, 1E-02)*	1E-02 *(5E-03, 1E-02)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-05 *(3E-05, 7E-05)*	2E-03 *(5E-04, 3E-03)*	4E-03 *(2E-03, 6E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D90. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(7E-10, 1E-09)*	4E-08 *(9E-09, 7E-08)*	8E-08 *(4E-08, 1E-07)*	* *	-
ARSENIC	3E-11 *(9E-12, 7E-11)*	9E-10 *(4E-10, 4E-09)*	7E-09 *(9E-10, 1E-08)*	* *	-
Additive Risk	1E-09 *(9E-10, 2E-09)*	4E-08 *(1E-08, 8E-08)*	8E-08 *(4E-08, 1E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 5E-11)*	5E-10 *(3E-10, 6E-10)*	9E-10 *(6E-10, 1E-09)*	2E-09 *	-
ARSENIC	3E-10 *(7E-11, 6E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *	-
BERYLLIUM	5E-12 *(3E-12, 7E-12)*	2E-10 *(7E-11, 5E-10)*	7E-10 *(2E-10, 1E-09)*	2E-09 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 9E-09)*	3E-08 *	-
CHROMIUM (VI)	5E-10 *(3E-10, 8E-10)*	1E-08 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(9E-12, 3E-11)*	4E-10 *(3E-10, 7E-10)*	1E-09 *(7E-10, 2E-09)*	5E-09 *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(6E-09, 7E-08)*	2E-04 *(5E-06, 7E-04)*	8E-04 *(2E-04, 2E-03)*	* *	-
ARSENIC	6E-07 *(1E-07, 1E-06)*	1E-05 *(7E-06, 7E-05)*	1E-04 *(2E-05, 3E-04)*	* *	-
BARIUM	8E-09 *(3E-09, 1E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(1E-07, 7E-07)*	2E-06 *(1E-06, 3E-06)*	-
BERYLLIUM	7E-09 *(4E-09, 1E-08)*	3E-07 *(1E-07, 7E-07)*	1E-06 *(3E-07, 6E-06)*	* *	-
CADMIUM	2E-06 *(8E-07, 2E-06)*	2E-05 *(1E-05, 1E-04)*	2E-04 *	* *	-
CHROMIUM (III)	6E-10 *(3E-10, 9E-10)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	1E-07 *(9E-08, 1E-07)*	-
CHROMIUM (VI)	6E-09 *(4E-09, 1E-08)*	1E-06 *(1E-07, 7E-06)*	7E-06 *	* *	-
COBALT	1E-10 *(1E-10, 2E-10)*	4E-09 *(2E-09, 5E-09)*	7E-09 *(5E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
MANGANESE	4E-09 *(2E-09, 7E-09)*	2E-07 *(5E-08, 3E-07)*	3E-07 *(1E-07, 5E-07)*	5E-07 *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 9E-07)*	1E-05 *(6E-06, 3E-05)*	5E-05 *(1E-05, 9E-05)*	3E-04 *(7E-05, 5E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	3E-09 *(2E-09, 8E-09)*	7E-07 *(2E-07, 2E-06)*	2E-06 *(5E-07, 3E-06)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	5E-05 *(2E-05, 9E-05)*	* *	-
SILVER	9E-10 *(4E-10, 4E-09)*	2E-07 *(5E-08, 5E-07)*	6E-07 *(2E-07, 2E-06)*	* *	-
THALLIUM	3E-07 *(2E-07, 7E-07)*	1E-05 *(4E-06, 2E-05)*	6E-05 *(1E-05, 4E-04)*	7E-04 *(2E-04, 8E-04)*	-
Hazard Index	5E-05 *(2E-05, 1E-04)*	3E-03 *(8E-04, 8E-03)*	8E-03 *(2E-03, 8E-03)*	9E-03 *(4E-03, 9E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(2E-05, 5E-05)*	1E-03 *(3E-04, 2E-03)*	3E-03 *(1E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D91. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(3E-10, 8E-10)*	2E-08 *(5E-09, 3E-08)*	4E-08 *(2E-08, 7E-08)*	* *	-
ARSENIC	2E-11 *(5E-12, 4E-11)*	5E-10 *(2E-10, 2E-09)*	5E-09 *(6E-10, 9E-09)*	* *	-
Additive Risk	8E-10 *(5E-10, 9E-10)*	2E-08 *(7E-09, 4E-08)*	4E-08 *(2E-08, 8E-08)*	2E-07 *(5E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	3E-10 *(2E-10, 4E-10)*	6E-10 *(4E-10, 8E-10)*	2E-09 *	-
ARSENIC	2E-10 *(5E-11, 4E-10)*	6E-09 *(4E-09, 9E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 5E-12)*	1E-10 *(5E-11, 3E-10)*	5E-10 *(1E-10, 7E-10)*	1E-09 *	-
CADMIUM	7E-11 *(4E-11, 1E-10)*	1E-09 *(8E-10, 2E-09)*	3E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	7E-09 *(4E-09, 8E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(6E-12, 2E-11)*	3E-10 *(2E-10, 4E-10)*	7E-10 *(4E-10, 1E-09)*	3E-09 *	-
Additive Risk	1E-09 *(8E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(3E-09, 5E-08)*	1E-04 *(3E-06, 8E-04)*	8E-04 *(1E-04, 1E-03)*	* *	-
ARSENIC	3E-07 *(9E-08, 7E-07)*	9E-06 *(4E-06, 4E-05)*	8E-05 *	* *	-
BARIUM	4E-09 *(2E-09, 8E-09)*	7E-08 *(5E-08, 9E-08)*	2E-07 *(8E-08, 3E-07)*	1E-06 *(6E-07, 1E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 8E-09)*	1E-07 *(6E-08, 4E-07)*	6E-07 *(1E-07, 3E-06)*	* *	-
CADMIUM	9E-07 *(4E-07, 1E-06)*	1E-05 *(6E-06, 9E-05)*	1E-04 *	* *	-
CHROMIUM (III)	3E-10 *(2E-10, 6E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(5E-08, 7E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	8E-07 *(9E-08, 4E-06)*	5E-06 *	* *	-
COBALT	8E-10 *(3E-10, 1E-09)*	5E-08 *(9E-09, 9E-08)*	9E-08 *(5E-08, 1E-07)*	1E-07 *	-
MANGANESE	2E-09 *(1E-09, 4E-09)*	1E-07 *(2E-08, 2E-07)*	2E-07 *(8E-08, 3E-07)*	3E-07 *	-
MERCURY (DIVALENT)	2E-07 *(9E-08, 5E-07)*	7E-06 *(3E-06, 1E-05)*	2E-05 *(8E-06, 7E-05)*	2E-04 *(4E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 7E-06	max: 4E-03		
NICKEL	2E-09 *(1E-09, 4E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(3E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	9E-06 *(4E-06, 2E-05)*	3E-05 *(8E-06, 7E-05)*	* *	-
SILVER	5E-10 *(2E-10, 3E-09)*	2E-07 *(4E-08, 3E-07)*	4E-07 *(1E-07, 8E-07)*	* *	-
THALLIUM	2E-07 *(9E-08, 3E-07)*	8E-06 *(2E-06, 1E-05)*	3E-05 *(8E-06, 2E-04)*	4E-04 *(1E-04, 4E-04)*	-
Hazard Index	3E-05 *(1E-05, 6E-05)*	1E-03 *(5E-04, 4E-03)*	4E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 5E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(9E-06, 2E-05)*	7E-04 *(1E-04, 9E-04)*	1E-03 *(6E-04, 2E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(8E-04, 3E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D92. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(5E-10, 1E-09)*	4E-08 *(8E-09, 6E-08)*	7E-08 *(4E-08, 1E-07)*	* *	-
ARSENIC	2E-11 *(8E-12, 5E-11)*	7E-10 *(3E-10, 3E-09)*	6E-09 *	* *	-
Additive Risk	1E-09 *(8E-10, 1E-09)*	4E-08 *(1E-08, 7E-08)*	7E-08 *(4E-08, 1E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	3E-10 *(2E-10, 5E-10)*	7E-10 *(5E-10, 9E-10)*	2E-09 *	-
ARSENIC	2E-10 *(5E-11, 4E-10)*	7E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	4E-08 *	-
BERYLLIUM	4E-12 *(2E-12, 5E-12)*	2E-10 *(5E-11, 4E-10)*	5E-10 *(2E-10, 8E-10)*	1E-09 *	-
CADMIUM	7E-11 *(5E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	4E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(2E-10, 6E-10)*	8E-09 *(5E-09, 9E-09)*	1E-08 *(9E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(7E-12, 2E-11)*	3E-10 *(2E-10, 5E-10)*	8E-10 *(5E-10, 1E-09)*	3E-09 *	-
Additive Risk	2E-09 *(9E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(3E-08, 4E-08)*	7E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(2E-09, 4E-08)*	1E-04 *(3E-06, 9E-04)*	9E-04 *(1E-04, 1E-03)*	* *	-
ARSENIC	3E-07 *(9E-08, 6E-07)*	8E-06 *(4E-06, 4E-05)*	7E-05 *(9E-06, 2E-04)*	* *	-
BARIUM	1E-09 *(8E-10, 4E-09)*	5E-08 *(2E-08, 6E-08)*	9E-08 *(5E-08, 1E-07)*	5E-07 *(2E-07, 7E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 5E-09)*	9E-08 *(4E-08, 2E-07)*	3E-07 *(9E-08, 2E-06)*	* *	-
CADMIUM	9E-07 *(4E-07, 1E-06)*	9E-06 *(7E-06, 7E-05)*	9E-05 *	* *	-
CHROMIUM (III)	1E-10 *(8E-11, 2E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(6E-09, 9E-09)*	2E-08 *(2E-08, 3E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	1E-06 *(9E-08, 5E-06)*	6E-06 *(8E-07, 1E-05)*	* *	-
COBALT	5E-10 *(2E-10, 1E-09)*	6E-08 *(6E-09, 9E-08)*	9E-08 *(3E-08, 1E-07)*	1E-07 *	-
MANGANESE	1E-09 *(7E-10, 4E-09)*	1E-07 *(1E-08, 3E-07)*	3E-07 *(1E-07, 4E-07)*	4E-07 *	-
MERCURY (DIVALENT)	1E-07 *(5E-08, 2E-07)*	3E-06 *(1E-06, 7E-06)*	9E-06 *(3E-06, 2E-05)*	7E-05 *(1E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 8E-06	max: 5E-03		
NICKEL	2E-09 *(1E-09, 2E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(4E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	1E-05 *(5E-06, 2E-05)*	3E-05 *(9E-06, 8E-05)*	* *	-
SILVER	6E-10 *(1E-10, 3E-09)*	2E-07 *(4E-08, 5E-07)*	5E-07 *(1E-07, 9E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	8E-06 *(2E-06, 2E-05)*	3E-05 *(9E-06, 2E-04)*	4E-04 *(1E-04, 5E-04)*	-
Hazard Index	3E-05 *(9E-06, 6E-05)*	1E-03 *(5E-04, 5E-03)*	5E-03 *(1E-03, 5E-03)*	6E-03 *(2E-03, 6E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(8E-06, 2E-05)*	9E-04 *(1E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	9E-04 *(2E-04, 2E-03)*	2E-03 *(9E-04, 3E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D93. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(2E-09, 1E-08)*	2E-08 *	5E-08 *	* *	-
ARSENIC	1E-10 *(2E-11, 9E-10)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(3E-09, 5E-09)*	* *	-
Additive Risk	6E-09 *(4E-09, 1E-08)*	2E-08 *(2E-08, 8E-08)*	8E-08 *(2E-08, 9E-08)*	1E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 2E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	-
ARSENIC	7E-10 *(2E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(1E-11, 2E-11)*	2E-10 *(7E-11, 1E-09)*	1E-09 *(1E-10, 3E-09)*	6E-09 *(2E-10, 7E-09)*	-
CADMIUM	2E-10 *(9E-11, 4E-10)*	5E-09 *(4E-09, 6E-09)*	1E-08 *(1E-08, 2E-08)*	5E-08 *(5E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 4E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	6E-11 *(4E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 6E-09)*	8E-09 *(8E-09, 8E-09)*	-
Additive Risk	3E-09 *(2E-09, 5E-09)*	4E-08 *(2E-08, 5E-08)*	8E-08 *(6E-08, 9E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(2E-07, 9E-06)*	* *	* *	* *	-
ARSENIC	3E-06 *(7E-07, 2E-05)*	9E-05 *(4E-05, 1E-04)*	1E-04 *(8E-05, 1E-04)*	2E-04 *(2E-04, 2E-04)*	-
BARIUM	1E-07 *(4E-08, 3E-07)*	3E-06 *(2E-06, 4E-06)*	5E-06 *(3E-06, 6E-06)*	2E-05 *(1E-05, 2E-05)*	-
BERYLLIUM	7E-08 *(4E-08, 1E-07)*	1E-06 *(6E-07, 5E-06)*	5E-06 *(9E-07, 2E-05)*	4E-05 *(2E-06, 5E-05)*	-
CADMIUM	5E-06 *(9E-07, 2E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *(3E-04, 4E-04)*	* *	-
CHROMIUM (III)	9E-09 *(6E-09, 1E-08)*	1E-07 *(1E-07, 2E-07)*	4E-07 *(3E-07, 5E-07)*	8E-07 *(7E-07, 8E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 3E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(2E-07, 2E-07)*	-
COBALT	6E-09 *(3E-09, 9E-09)*	7E-08 *(6E-08, 8E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
MANGANESE	6E-08 *(2E-08, 1E-07)*	9E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-05 *(9E-06, 2E-05)*	2E-04 *(6E-05, 5E-04)*	5E-04 *(9E-05, 8E-04)*	* *	-
MERCURY (METHYL)[a]	min: 9E-08	median: 1E-04	max: 6E-03		
NICKEL	4E-08 *(2E-08, 3E-07)*	1E-06 *(5E-07, 1E-06)*	1E-06 *(1E-06, 1E-06)*	3E-06 *(3E-06, 3E-06)*	-
SELENIUM	5E-06 *(7E-07, 1E-05)*	8E-05 *	* *	* *	-
SILVER	4E-09 *(2E-09, 1E-08)*	2E-06 *	* *	* *	-
THALLIUM	1E-05 *(9E-07, 6E-05)*	7E-04 *(2E-04, 8E-04)*	9E-04 *(8E-04, 1E-03)*	2E-03 *(2E-03, 2E-03)*	-
Hazard Index	1E-03 *(9E-04, 4E-03)*	5E-03 *(4E-03, 6E-03)*	6E-03 *(4E-03, 6E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(1E-04, 5E-04)*	9E-04 *(7E-04, 3E-03)*	2E-03 *(9E-04, 4E-03)*	5E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D94. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(2E-09, 9E-09)*	2E-08 *(1E-08, 5E-08)*	5E-08 *	* *	-
ARSENIC	9E-11 *(1E-11, 8E-10)*	3E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 3E-09)*	4E-09 *(4E-09, 4E-09)*	-
Additive Risk	5E-09 *(4E-09, 1E-08)*	2E-08 *(1E-08, 7E-08)*	6E-08 *(1E-08, 9E-08)*	1E-07 *(2E-08, 1E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(8E-11, 2E-10)*	2E-09 *(8E-10, 2E-09)*	2E-09 *(2E-09, 3E-09)*	3E-09 *(3E-09, 4E-09)*	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(1E-11, 3E-11)*	2E-10 *(8E-11, 1E-09)*	1E-09 *(1E-10, 4E-09)*	6E-09 *(2E-10, 8E-09)*	-
CADMIUM	2E-10 *(1E-10, 4E-10)*	6E-09 *(4E-09, 7E-09)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	6E-11 *(4E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(4E-09, 7E-09)*	9E-09 *(9E-09, 9E-09)*	-
Additive Risk	3E-09 *(2E-09, 6E-09)*	4E-08 *(3E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(1E-07, 4E-06)*	* *	* *	* *	-
ARSENIC	2E-06 *(2E-07, 1E-05)*	5E-05 *(2E-05, 5E-05)*	6E-05 *(4E-05, 6E-05)*	8E-05 *(7E-05, 8E-05)*	-
BARIUM	4E-08 *(1E-08, 1E-07)*	8E-07 *(6E-07, 1E-06)*	1E-06 *(9E-07, 2E-06)*	4E-06 *(4E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 5E-08)*	4E-07 *(1E-07, 2E-06)*	2E-06 *(2E-07, 5E-06)*	1E-05 *	-
CADMIUM	3E-06 *(4E-07, 1E-05)*	* *	* *	* *	-
CHROMIUM (III)	2E-09 *(1E-09, 4E-09)*	4E-08 *(3E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(3E-09, 1E-08)*	4E-08 *	* *	* *	-
COBALT	1E-09 *(7E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(6E-08, 6E-08)*	-
MANGANESE	2E-08 *(7E-09, 5E-08)*	4E-07 *	9E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(2E-06, 7E-06)*	5E-05 *(1E-05, 1E-04)*	1E-04 *(3E-05, 2E-04)*	* *	-
MERCURY (METHYL)[a]	min: 2E-08	median: 1E-04	max: 4E-03		
NICKEL	1E-08 *(9E-09, 1E-07)*	6E-07 *(2E-07, 7E-07)*	7E-07 *(4E-07, 7E-07)*	9E-07 *(8E-07, 9E-07)*	-
SELENIUM	3E-06 *(5E-07, 6E-06)*	* *	* *	* *	-
SILVER	1E-09 *(9E-10, 9E-09)*	8E-07 *	* *	* *	-
THALLIUM	9E-06 *(8E-07, 3E-05)*	4E-04 *(8E-05, 7E-04)*	9E-04 *(8E-04, 9E-04)*[A]	* *	-
Hazard Index	9E-04 *(8E-04, 2E-03)*	4E-03 *(3E-03, 4E-03)*	4E-03 *(3E-03, 4E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(8E-05, 3E-04)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(5E-04, 2E-03)*	3E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D95. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 5E-09)*	9E-09 *(6E-09, 2E-08)*	2E-08 *	5E-08 *	-
ARSENIC	6E-11 *(8E-12, 5E-10)*	1E-09 *(8E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	-
Additive Risk	2E-09 *(2E-09, 6E-09)*	1E-08 *(7E-09, 3E-08)*	3E-08 *	5E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 1E-10)*	1E-09 *(5E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	-
ARSENIC	5E-10 *(2E-10, 1E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(8E-08, 8E-08)*	-
BERYLLIUM	9E-12 *(7E-12, 2E-11)*	1E-10 *(5E-11, 9E-10)*	9E-10 *(8E-11, 3E-09)*	4E-09 *(1E-10, 5E-09)*	-
CADMIUM	1E-10 *(7E-11, 3E-10)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(7E-09, 1E-08)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(8E-11, 2E-10)*	1E-09 *(9E-10, 1E-09)*	3E-09 *(2E-09, 3E-09)*	8E-09 *(8E-09, 9E-09)*	-
NICKEL	4E-11 *(3E-11, 7E-11)*	2E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 4E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *(9E-08, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(7E-08, 3E-06)*	* *	* *	* *	-
ARSENIC	9E-07 *(1E-07, 9E-06)*	3E-05 *(1E-05, 3E-05)*	3E-05 *(2E-05, 3E-05)*	4E-05 *(4E-05, 4E-05)*	-
BARIUM	2E-08 *(7E-09, 7E-08)*	4E-07 *(3E-07, 6E-07)*	8E-07 *(5E-07, 9E-07)*	2E-06 *(2E-06, 2E-06)*	-
BERYLLIUM	1E-08 *(8E-09, 2E-08)*	2E-07 *(9E-08, 9E-07)*	8E-07 *(1E-07, 3E-06)*	7E-06 *(2E-07, 8E-06)*	-
CADMIUM	2E-06 *(2E-07, 8E-06)*	5E-05 *(3E-05, 6E-05)*	8E-05 *(7E-05, 9E-05)*	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	6E-08 *(4E-08, 6E-08)*	* *	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	2E-08 *	* *	* *	-
COBALT	4E-09 *(9E-10, 8E-09)*	8E-08 *	* *	* *	-
MANGANESE	1E-08 *(4E-09, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-06 *(1E-06, 4E-06)*	3E-05 *(9E-06, 8E-05)*	8E-05 *(1E-05, 1E-04)*	* *	-
MERCURY (METHYL)[a]	min: 1E-08	median: 5E-05	max: 2E-03		
NICKEL	8E-09 *(5E-09, 8E-08)*	4E-07 *(1E-07, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *(5E-07, 5E-07)*	-
SELENIUM	1E-06 *(3E-07, 4E-06)*	5E-05 *	* *	* *	-
SILVER	8E-10 *(5E-10, 5E-09)*	5E-07 *	* *	* *	-
THALLIUM	5E-06 *(5E-07, 2E-05)*	3E-04 *(5E-05, 4E-04)*	5E-04 *(4E-04, 5E-04)*	6E-04 *(6E-04, 6E-04)*	-
Hazard Index	5E-04 *(4E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(3E-05, 1E-04)*	3E-04 *(2E-04, 5E-04)*	5E-04 *	9E-04 *	-
TCDD-TEQ	7E-05 *(4E-05, 2E-04)*	3E-04 *(2E-04, 2E-03)*	2E-03 *(3E-04, 2E-03)*	2E-03 *(3E-04, 2E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D96. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(2E-09, 8E-09)*	2E-08 *	* *	* *	-
ARSENIC	8E-11 *(9E-12, 9E-10)*	* *	* *	* *	-
Additive Risk	4E-09 *(3E-09, 9E-09)*	2E-08 *(9E-09, 6E-08)*	6E-08 *	8E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	8E-11 *(6E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	-
ARSENIC	6E-10 *(2E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	9E-08 *(9E-08, 1E-07)*	-
BERYLLIUM	1E-11 *(8E-12, 2E-11)*	1E-10 *(6E-11, 1E-09)*	1E-09 *(9E-11, 3E-09)*	5E-09 *(2E-10, 6E-09)*	-
CADMIUM	1E-10 *(8E-11, 3E-10)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(8E-09, 2E-08)*	5E-08 *(4E-08, 5E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	1E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 1E-08)*	-
NICKEL	5E-11 *(3E-11, 8E-11)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(7E-08, 3E-06)*	* *	* *	* *	-
ARSENIC	8E-07 *(1E-07, 9E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(3E-09, 3E-08)*	2E-07 *(1E-07, 2E-07)*	3E-07 *(2E-07, 4E-07)*	9E-07 *(8E-07, 9E-07)*	-
BERYLLIUM	9E-09 *(6E-09, 2E-08)*	9E-08 *(4E-08, 7E-07)*	7E-07 *(6E-08, 2E-06)*	* *	-
CADMIUM	2E-06 *(2E-07, 9E-06)*	6E-05 *(2E-05, 7E-05)*	9E-05 *	* *	-
CHROMIUM (III)	6E-10 *(4E-10, 9E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
CHROMIUM (VI)	3E-09 *(1E-09, 8E-09)*	2E-08 *	* *	* *	-
COBALT	3E-09 *(5E-10, 5E-09)*	8E-08 *	* *	* *	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	7E-07 *(5E-07, 1E-06)*	1E-05 *(4E-06, 3E-05)*	3E-05 *(6E-06, 6E-05)*	* *	-
MERCURY (METHYL)[a]	min: 5E-09	median: 6E-05	max: 2E-03		
NICKEL	7E-09 *(6E-09, 9E-08)*	* *	* *	* *	-
SELENIUM	2E-06 *(3E-07, 7E-06)*	5E-05 *	* *	* *	-
SILVER	1E-09 *(3E-10, 6E-09)*	6E-07 *	* *	* *	-
THALLIUM	5E-06 *(4E-07, 1E-05)*	2E-04 *(5E-05, 3E-04)*	4E-04 *(4E-04, 4E-04)*	* *	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-05 *(5E-05, 1E-04)*	4E-04 *	* *	* *	-
TCDD-TEQ	8E-05 *(5E-05, 2E-04)*	4E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D97. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(1E-09, 2E-08)*	9E-08 *	* *	* *	-
ARSENIC	1E-10 *(7E-11, 3E-10)*	1E-08 *	* *	* *	-
Additive Risk	6E-09 *(2E-09, 4E-08)*	1E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	6E-11 *(4E-11, 1E-10)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	2E-09 *	-
ARSENIC	1E-09 *(4E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *	-
BERYLLIUM	2E-11 *(9E-12, 7E-11)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(6E-10, 1E-09)*	2E-09 *	-
CADMIUM	5E-10 *(3E-10, 8E-10)*	5E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
NICKEL	1E-10 *(6E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(8E-10, 3E-09)*	4E-09 *	-
Additive Risk	8E-09 *(5E-09, 1E-08)*	4E-08 *(4E-08, 6E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-06 *(2E-07, 3E-05)*	2E-03 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 7E-06)*	4E-04 *	* *	* *	-
BARIUM	6E-08 *(3E-08, 9E-08)*	8E-07 *(4E-07, 3E-06)*	4E-06 *(6E-07, 8E-06)*	1E-05 *(5E-06, 1E-05)*	-
BERYLLIUM	2E-07 *(5E-08, 4E-07)*	9E-06 *(1E-06, 2E-05)*	2E-05 *(4E-06, 3E-05)*	4E-05 *(1E-05, 4E-05)*	-
CADMIUM	1E-05 *(4E-06, 2E-05)*	4E-04 *(4E-05, 5E-04)*	5E-04 *(2E-04, 5E-04)*	6E-04 *	-
CHROMIUM (III)	1E-08 *(9E-09, 2E-08)*	1E-07 *(9E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
CHROMIUM (VI)	1E-07 *(4E-08, 1E-06)*	2E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(4E-08, 7E-08)*	-
MANGANESE	3E-08 *(9E-09, 9E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(2E-06, 5E-06)*	5E-05 *(1E-05, 4E-04)*	3E-04 *(4E-05, 1E-03)*	2E-03 *(7E-05, 3E-03)*	-
MERCURY (METHYL)[a]	min: 1E-08	median: 1E-06	max: 1E-03		
NICKEL	1E-07 *(3E-08, 5E-07)*	3E-06 *(9E-07, 9E-06)*	8E-06 *(2E-06, 2E-05)*	2E-05 *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	5E-05 *	* *	* *	-
SILVER	1E-09 *(4E-10, 4E-08)*	7E-07 *	* *	* *	-
THALLIUM	8E-07 *(5E-07, 1E-06)*	1E-05 *	* *	* *	-
Hazard Index	2E-04 *(5E-05, 5E-04)*	5E-03 *(2E-03, 1E-02)*	1E-02 *(4E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(5E-05, 1E-03)*	5E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D98. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(9E-10, 2E-08)*	9E-08 *	* *	* *	-
ARSENIC	9E-11 *(4E-11, 1E-10)*	7E-09 *	* *	* *	-
Additive Risk	6E-09 *(1E-09, 4E-08)*	1E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 1E-10)*	8E-10 *(4E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	3E-09 *	-
ARSENIC	1E-09 *(4E-10, 3E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(2E-08, 5E-08)*	6E-08 *	-
BERYLLIUM	3E-11 *(1E-11, 8E-11)*	8E-10 *(3E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	2E-09 *	-
CADMIUM	6E-10 *(4E-10, 9E-10)*	6E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	8E-08 *	-
NICKEL	1E-10 *(7E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(9E-10, 3E-09)*	5E-09 *	-
Additive Risk	9E-09 *(6E-09, 1E-08)*	5E-08 *(4E-08, 6E-08)*	8E-08 *(5E-08, 1E-07)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-07 *(8E-08, 1E-05)*	8E-04 *	* *	* *	-
ARSENIC	1E-06 *(7E-07, 2E-06)*	2E-04 *	* *	* *	-
BARIUM	2E-08 *(1E-08, 3E-08)*	2E-07 *(9E-08, 7E-07)*	8E-07 *(1E-07, 2E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	6E-08 *(1E-08, 1E-07)*	2E-06 *	* *	* *	-
CADMIUM	6E-06 *(2E-06, 9E-06)*	* *	* *	* *	-
CHROMIUM (III)	3E-09 *(2E-09, 5E-09)*	3E-08 *(2E-08, 5E-08)*	6E-08 *(4E-08, 9E-08)*	* *	-
CHROMIUM (VI)	4E-08 *(1E-08, 6E-07)*	* *	* *	* *	-
COBALT	4E-10 *(3E-10, 6E-10)*	5E-09 *(4E-09, 7E-09)*	8E-09 *(6E-09, 9E-09)*	1E-08 *(1E-08, 2E-08)*	-
MANGANESE	9E-09 *(3E-09, 4E-08)*	2E-07 *(7E-08, 2E-07)*	2E-07 *	* *	-
MERCURY (DIVALENT)	8E-07 *(5E-07, 1E-06)*	1E-05 *(4E-06, 9E-05)*	8E-05 *(9E-06, 4E-04)*	6E-04 *(2E-05, 8E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 3E-07	max: 7E-04		
NICKEL	5E-08 *(9E-09, 2E-07)*	2E-06 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	4E-05 *	* *	* *	-
SILVER	5E-10 *(2E-10, 2E-08)*	4E-07 *	* *	* *	-
THALLIUM	4E-07 *(3E-07, 8E-07)*	7E-06 *	* *	* *	-
Hazard Index	1E-04 *(2E-05, 3E-04)*	3E-03 *(9E-04, 9E-03)*	9E-03 *(1E-03, 9E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(3E-05, 1E-03)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D99. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(5E-10, 1E-08)*	6E-08 *	* *	* *	-
ARSENIC	5E-11 *(2E-11, 8E-11)*	8E-09 *	* *	* *	-
Additive Risk	3E-09 *(7E-10, 2E-08)*	7E-08 *(3E-08, 2E-07)*	1E-07 *(4E-08, 2E-07)*	3E-07 *(7E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 9E-11)*	5E-10 *(2E-10, 8E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	7E-10 *(3E-10, 2E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	2E-11 *(7E-12, 5E-11)*	5E-10 *(2E-10, 9E-10)*	9E-10 *(5E-10, 1E-09)*	1E-09 *	-
CADMIUM	4E-10 *(2E-10, 6E-10)*	4E-09 *(2E-09, 8E-09)*	8E-09 *(3E-09, 2E-08)*	2E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 4E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *	-
NICKEL	8E-11 *(4E-11, 1E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	3E-09 *	-
Additive Risk	6E-09 *(4E-09, 7E-09)*	3E-08 *(3E-08, 4E-08)*	5E-08 *(3E-08, 6E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(4E-08, 6E-06)*	8E-04 *	* *	* *	-
ARSENIC	9E-07 *(3E-07, 1E-06)*	* *	* *	* *	-
BARIUM	1E-08 *(9E-09, 1E-08)*	1E-07 *(5E-08, 4E-07)*	5E-07 *(9E-08, 8E-07)*	2E-06 *(7E-07, 2E-06)*	-
BERYLLIUM	3E-08 *(8E-09, 8E-08)*	1E-06 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 5E-06)*	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 5E-08)*	* *	-
CHROMIUM (VI)	2E-08 *(9E-09, 5E-07)*	* *	* *	* *	-
COBALT	1E-09 *(6E-10, 7E-09)*	6E-08 *	* *	* *	-
MANGANESE	5E-09 *(2E-09, 2E-08)*	* *	* *	* *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 7E-07)*	7E-06 *(2E-06, 6E-05)*	4E-05 *(5E-06, 2E-04)*	3E-04 *(1E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 2E-07	max: 4E-04		
NICKEL	2E-08 *(4E-09, 1E-07)*	1E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	3E-10 *(9E-11, 1E-08)*	3E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	5E-06 *	* *	* *	-
Hazard Index	9E-05 *(1E-05, 2E-04)*	2E-03 *(5E-04, 5E-03)*	5E-03 *(1E-03, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-05 *(1E-05, 6E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 8E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(1E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D100. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(8E-10, 2E-08)*	8E-08 *	* *	* *	-
ARSENIC	5E-11 *(2E-11, 9E-11)*	* *	* *	* *	-
Additive Risk	4E-09 *(8E-10, 3E-08)*	9E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 1E-10)*	6E-10 *(3E-10, 9E-10)*	9E-10 *(5E-10, 2E-09)*	2E-09 *	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	2E-08 *(8E-09, 2E-08)*	3E-08 *(2E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	2E-11 *(8E-12, 6E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
CADMIUM	4E-10 *(3E-10, 7E-10)*	5E-09 *(2E-09, 9E-09)*	9E-09 *(4E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	6E-08 *	-
NICKEL	9E-11 *(5E-11, 1E-10)*	8E-10 *(4E-10, 1E-09)*	1E-09 *(7E-10, 3E-09)*	3E-09 *	-
Additive Risk	7E-09 *(4E-09, 8E-09)*	4E-08 *(3E-08, 5E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(3E-08, 6E-06)*	8E-04 *	* *	* *	-
ARSENIC	6E-07 *(3E-07, 1E-06)*	1E-04 *	* *	* *	-
BARIUM	9E-09 *(7E-09, 1E-08)*	4E-08 *(2E-08, 1E-07)*	2E-07 *(3E-08, 4E-07)*	7E-07 *(3E-07, 8E-07)*	-
BERYLLIUM	2E-08 *(5E-09, 5E-08)*	6E-07 *	* *	* *	-
CADMIUM	2E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	8E-10 *(6E-10, 1E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	* *	-
CHROMIUM (VI)	1E-08 *(7E-09, 3E-07)*	6E-06 *	* *	* *	-
COBALT	9E-10 *(3E-10, 6E-09)*	6E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(9E-08, 3E-07)*	3E-06 *(9E-07, 2E-05)*	2E-05 *(2E-06, 8E-05)*	* *	-
MERCURY (METHYL)[a]	min: 6E-10	median: 7E-08	max: 4E-04		
NICKEL	1E-08 *(2E-09, 1E-07)*	1E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	3E-10 *(7E-11, 1E-08)*	3E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	5E-06 *	* *	* *	-
Hazard Index	9E-05 *(1E-05, 2E-04)*	2E-03 *(4E-04, 6E-03)*	6E-03 *(1E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(2E-05, 8E-04)*	2E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 9E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(2E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D101. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-10 *(1E-10, 1E-09)*[A]	2E-09 *	3E-09 *	5E-09 *	-
ARSENIC	9E-12 *(5E-12, 7E-11)*	5E-10 *(1E-10, 7E-10)*	6E-10 *(2E-10, 7E-10)*	8E-10 *	-
Additive Risk	1E-09 *(3E-10, 2E-09)*	2E-09 *(2E-09, 4E-09)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(2E-09, 6E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	8E-12 *(4E-12, 2E-11)*	2E-10 *(6E-11, 3E-10)*	3E-10 *(1E-10, 5E-10)*	8E-10 *	-
ARSENIC	5E-11 *(2E-11, 2E-10)*	3E-09 *(1E-09, 5E-09)*	6E-09 *(3E-09, 8E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 3E-11)*	3E-11 *(2E-11, 7E-11)*	2E-10 *	-
CADMIUM	4E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 7E-10)*	9E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 4E-09)*	6E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(2E-12, 9E-12)*	7E-11 *(3E-11, 1E-10)*	1E-10 *(6E-11, 2E-10)*	3E-10 *	-
Additive Risk	5E-10 *(3E-10, 1E-09)*	7E-09 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(2E-09, 2E-08)*	8E-07 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 1E-06)*	1E-05 *(4E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	2E-05 *	-
BARIUM	5E-09 *(2E-09, 1E-08)*	1E-07 *(8E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	7E-07 *	-
BERYLLIUM	9E-09 *(4E-09, 1E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(2E-07, 6E-07)*	-
CADMIUM	9E-07 *(7E-07, 3E-06)*	5E-06 *	* *	* *	-
CHROMIUM (III)	5E-10 *(2E-10, 1E-09)*	1E-08 *(6E-09, 3E-08)*	4E-08 *(1E-08, 8E-08)*	1E-07 *(6E-08, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(6E-09, 1E-08)*	2E-07 *	* *	* *	-
COBALT	3E-10 *(1E-10, 5E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	-
MANGANESE	6E-09 *(2E-09, 9E-09)*	4E-08 *(2E-08, 4E-07)*	3E-07 *(3E-08, 7E-07)*	* *	-
MERCURY (DIVALENT)	3E-07 *(9E-08, 1E-06)*	3E-05 *(8E-06, 8E-05)*	8E-05 *(2E-05, 2E-04)*	7E-04 *	-
MERCURY (METHYL)[a]	min: 4E-09	median: 7E-06	max: 1E-02		
NICKEL	3E-09 *(2E-09, 4E-09)*	9E-08 *	* *	* *	-
SELENIUM	3E-07 *(6E-08, 7E-07)*	4E-06 *	* *	* *	-
SILVER	2E-09 *(2E-10, 2E-08)*	7E-08 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 9E-07)*	7E-06 *(1E-06, 2E-05)*	1E-05 *(5E-06, 3E-05)*	4E-05 *	-
Hazard Index	3E-05 *(2E-05, 1E-04)*	7E-04 *(1E-04, 1E-02)*	1E-02 *(6E-04, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(7E-06, 6E-05)*	8E-05 *(7E-05, 1E-04)*	1E-04 *	2E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D102. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(1E-10, 1E-09)*	2E-09 *	3E-09 *[A]	4E-09 *	-
ARSENIC	7E-12 *(4E-12, 5E-11)*	3E-10 *	* *	* *	-
Additive Risk	7E-10 *(2E-10, 1E-09)*	2E-09 *(2E-09, 4E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	9E-12 *(5E-12, 2E-11)*	2E-10 *(7E-11, 3E-10)*	4E-10 *(2E-10, 6E-10)*	9E-10 *	-
ARSENIC	6E-11 *(2E-11, 3E-10)*	4E-09 *(2E-09, 6E-09)*	7E-09 *(3E-09, 9E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 4E-11)*	4E-11 *(2E-11, 8E-11)*	2E-10 *	-
CADMIUM	4E-11 *(2E-11, 6E-11)*	4E-10 *(2E-10, 8E-10)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	3E-09 *(1E-09, 5E-09)*	7E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(3E-12, 1E-11)*	8E-11 *(3E-11, 1E-10)*	2E-10 *(7E-11, 3E-10)*	4E-10 *	-
Additive Risk	6E-10 *(3E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-09 *(8E-10, 1E-08)*	4E-07 *	* *	* *	-
ARSENIC	1E-07 *(7E-08, 9E-07)*	6E-06 *	* *	* *	-
BARIUM	1E-09 *(6E-10, 4E-09)*	7E-08 *(3E-08, 9E-08)*	9E-08 *(6E-08, 1E-07)*	2E-07 *(1E-07, 4E-07)*	-
BERYLLIUM	3E-09 *(2E-09, 6E-09)*	4E-08 *(1E-08, 5E-08)*	5E-08 *(3E-08, 7E-08)*	9E-08 *(7E-08, 2E-07)*	-
CADMIUM	7E-07 *(4E-07, 2E-06)*	3E-06 *	* *	* *	-
CHROMIUM (III)	1E-10 *(6E-11, 3E-10)*	4E-09 *(1E-09, 9E-09)*	1E-08 *(4E-09, 2E-08)*	4E-08 *(1E-08, 5E-08)*	-
CHROMIUM (VI)	4E-09 *(3E-09, 6E-09)*	1E-07 *	* *	* *	-
COBALT	7E-11 *(4E-11, 1E-10)*	1E-09 *(8E-10, 1E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 8E-09)*	-
MANGANESE	2E-09 *(8E-10, 6E-09)*	1E-08 *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(2E-08, 5E-07)*	9E-06 *(2E-06, 2E-05)*	2E-05 *(5E-06, 6E-05)*	2E-04 *(1E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 6E-06	max: 8E-03		
NICKEL	2E-09 *(1E-09, 2E-09)*	5E-08 *	* *	* *	-
SELENIUM	2E-07 *(5E-08, 5E-07)*	3E-06 *	* *	* *	-
SILVER	9E-10 *(7E-11, 7E-09)*	4E-08 *	* *	* *	-
THALLIUM	1E-07 *(6E-08, 6E-07)*	4E-06 *(8E-07, 8E-06)*	7E-06 *(3E-06, 2E-05)*	* *	-
Hazard Index	2E-05 *(9E-06, 7E-05)*	5E-04 *(8E-05, 8E-03)*	8E-03 *(4E-04, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-05 *(4E-06, 4E-05)*	6E-05 *(4E-05, 9E-05)*	8E-05 *(5E-05, 9E-05)*	1E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D103. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-10 *(6E-11, 6E-10)*[A]	9E-10 *	* *	* *	-
ARSENIC	4E-12 *(2E-12, 3E-11)*	2E-10 *	* *	* *	-
Additive Risk	4E-10 *(9E-11, 8E-10)*	9E-10 *(8E-10, 2E-09)*	1E-09 *(8E-10, 2E-09)*	2E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	6E-12 *(3E-12, 1E-11)*	1E-10 *(5E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	6E-10 *	-
ARSENIC	4E-11 *(1E-11, 2E-10)*	2E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 6E-09)*	8E-09 *	-
BERYLLIUM	1E-12 *(7E-13, 2E-12)*	1E-11 *(7E-12, 2E-11)*	3E-11 *(1E-11, 5E-11)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(1E-10, 5E-10)*	6E-10 *(3E-10, 9E-10)*	1E-09 *	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	2E-09 *(9E-10, 3E-09)*	4E-09 *(2E-09, 8E-09)*	1E-08 *	-
NICKEL	3E-12 *(2E-12, 6E-12)*	5E-11 *(2E-11, 9E-11)*	1E-10 *(4E-11, 2E-10)*	2E-10 *	-
Additive Risk	4E-10 *(2E-10, 7E-10)*	5E-09 *(3E-09, 7E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-09 *(5E-10, 7E-09)*	3E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 5E-07)*	4E-06 *	* *	* *	-
BARIUM	7E-10 *(4E-10, 2E-09)*	4E-08 *(1E-08, 5E-08)*	5E-08 *(3E-08, 6E-08)*	9E-08 *(6E-08, 2E-07)*	-
BERYLLIUM	1E-09 *(9E-10, 3E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	6E-08 *	-
CADMIUM	3E-07 *(2E-07, 9E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	8E-11 *(3E-11, 1E-10)*	2E-09 *(9E-10, 5E-09)*	6E-09 *(2E-09, 9E-09)*	2E-08 *(9E-09, 3E-08)*	-
CHROMIUM (VI)	2E-09 *(1E-09, 3E-09)*	8E-08 *	* *	* *	-
COBALT	3E-10 *(1E-10, 1E-09)*	3E-09 *	* *	* *	-
MANGANESE	9E-10 *(4E-10, 3E-09)*	8E-09 *	* *	* *	-
MERCURY (DIVALENT)	4E-08 *(1E-08, 2E-07)*	5E-06 *(1E-06, 9E-06)*	9E-06 *(2E-06, 3E-05)*	7E-05 *(6E-06, 1E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 3E-06	max: 4E-03		
NICKEL	1E-09 *(9E-10, 1E-09)*	3E-08 *	* *	* *	-
SELENIUM	9E-08 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	6E-10 *(3E-11, 4E-09)*	3E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 3E-07)*	2E-06 *(5E-07, 4E-06)*	4E-06 *(1E-06, 8E-06)*	* *	-
Hazard Index	1E-05 *(5E-06, 4E-05)*	3E-04 *(5E-05, 4E-03)*	4E-03 *(2E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	7E-06 *(2E-06, 1E-05)*	2E-05 *	4E-05 *	6E-05 *	-
TCDD-TEQ	9E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 7E-05)*	7E-05 *(3E-05, 7E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D104. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-10 *(9E-11, 9E-10)*	1E-09 *	1E-09 *	3E-09 *	-
ARSENIC	6E-12 *(2E-12, 4E-11)*	3E-10 *	* *	* *	-
Additive Risk	7E-10 *(1E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(1E-09, 3E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	7E-12 *(4E-12, 1E-11)*	2E-10 *(5E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	7E-10 *	-
ARSENIC	4E-11 *(1E-11, 2E-10)*	3E-09 *(1E-09, 4E-09)*	5E-09 *(3E-09, 7E-09)*	9E-09 *	-
BERYLLIUM	2E-12 *(8E-13, 3E-12)*	2E-11 *(8E-12, 3E-11)*	3E-11 *(2E-11, 6E-11)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 4E-09)*	5E-09 *(2E-09, 9E-09)*	1E-08 *	-
NICKEL	4E-12 *(2E-12, 7E-12)*	6E-11 *(2E-11, 1E-10)*	1E-10 *(5E-11, 2E-10)*	3E-10 *	-
Additive Risk	4E-10 *(3E-10, 8E-10)*	6E-09 *(3E-09, 8E-09)*	1E-08 *(6E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-09 *(3E-10, 8E-09)*	3E-07 *	* *	* *	-
ARSENIC	7E-08 *(3E-08, 5E-07)*	4E-06 *	* *	* *	-
BARIUM	3E-10 *(2E-10, 9E-10)*	3E-08 *(6E-09, 4E-08)*	4E-08 *(2E-08, 5E-08)*	6E-08 *	-
BERYLLIUM	9E-10 *(8E-10, 3E-09)*	1E-08 *(6E-09, 3E-08)*	2E-08 *(9E-09, 4E-08)*	4E-08 *(1E-08, 5E-08)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	3E-11 *(1E-11, 9E-11)*	9E-10 *(3E-10, 2E-09)*	2E-09 *(9E-10, 4E-09)*	8E-09 *(4E-09, 1E-08)*	-
CHROMIUM (VI)	2E-09 *(1E-09, 4E-09)*	9E-08 *	* *	* *	-
COBALT	2E-10 *(9E-11, 1E-09)*	3E-09 *	* *	* *	-
MANGANESE	8E-10 *(3E-10, 4E-09)*	8E-09 *	* *	* *	-
MERCURY (DIVALENT)	2E-08 *(6E-09, 1E-07)*	2E-06 *(5E-07, 5E-06)*	5E-06 *(1E-06, 1E-05)*	4E-05 *(2E-06, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 4E-06	max: 5E-03		
NICKEL	1E-09 *(8E-10, 1E-09)*	2E-08 *	* *	* *	-
SELENIUM	1E-07 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	7E-10 *(1E-11, 4E-09)*	3E-08 *	* *	* *	-
THALLIUM	8E-08 *(4E-08, 3E-07)*	3E-06 *(5E-07, 4E-06)*	4E-06 *	* *	-
Hazard Index	1E-05 *(5E-06, 4E-05)*	3E-04 *(5E-05, 5E-03)*	5E-03 *(2E-04, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-06 *(2E-06, 2E-05)*	3E-05 *	* *	* *	-
TCDD-TEQ	5E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 8E-05)*	8E-05 *(3E-05, 8E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D105. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-08 *(2E-08, 6E-08)*	* *	* *	* *	-
ARSENIC	1E-10 *(9E-11, 2E-10)*	3E-09 *	* *	* *	-
Additive Risk	4E-08 *(3E-08, 6E-08)*	2E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(2E-10, 3E-10)*	7E-10 *(6E-10, 8E-10)*	9E-10 *(9E-10, 1E-09)*	7E-09 *(7E-09, 7E-09)*	-
ARSENIC	3E-10 *(2E-10, 4E-10)*	3E-09 *(1E-09, 5E-09)*	6E-09 *(2E-09, 7E-09)*	1E-08 *(9E-09, 1E-08)*	-
BERYLLIUM	3E-11 *(3E-11, 5E-11)*	3E-10 *(3E-10, 4E-10)*	5E-10 *(4E-10, 6E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	7E-10 *(6E-10, 9E-10)*	2E-09 *(2E-09, 2E-09)*	4E-09 *(4E-09, 4E-09)*	7E-08 *(7E-08, 7E-08)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 4E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *	-
NICKEL	6E-11 *(6E-11, 8E-11)*	9E-10 *(2E-10, 2E-09)*	2E-09 *(9E-10, 2E-09)*	7E-09 *(7E-09, 7E-09)*	-
Additive Risk	2E-09 *(2E-09, 2E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	9E-08 *(9E-08, 9E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-07 *(5E-07, 1E-06)*	4E-05 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 6E-06)*	7E-05 *	* *	* *	-
BARIUM	1E-06 *(9E-07, 1E-06)*	2E-05 *(8E-06, 7E-05)*	8E-05 *(2E-05, 1E-04)*	* *	-
BERYLLIUM	8E-07 *(5E-07, 9E-07)*	8E-06 *(5E-06, 1E-05)*	1E-05 *(8E-06, 2E-05)*	* *	-
CADMIUM	6E-05 *(4E-05, 1E-04)*	7E-04 *(6E-04, 7E-04)*	8E-04 *(8E-04, 8E-04)*	1E-03 *(1E-03, 1E-03)*	-
CHROMIUM (III)	2E-08 *(2E-08, 3E-08)*	2E-07 *(2E-07, 2E-07)*	4E-07 *(4E-07, 5E-07)*	* *	-
CHROMIUM (VI)	3E-08 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
COBALT	2E-08 *(2E-08, 3E-08)*	1E-07 *(1E-07, 2E-07)*	2E-07 *(2E-07, 2E-07)*	3E-07 *(3E-07, 3E-07)*	-
MANGANESE	3E-08 *(2E-08, 4E-08)*	6E-07 *	* *	* *	-
MERCURY (DIVALENT)	7E-05 *(6E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 6E-04)*	2E-03 *	-
MERCURY (METHYL)[a]	min: 7E-05	median: 9E-03	max: 7E-02		
NICKEL	1E-07 *(7E-08, 2E-07)*	5E-06 *(9E-07, 5E-06)*	6E-06 *(6E-06, 6E-06)*	* *	-
SELENIUM	8E-05 *(6E-05, 9E-05)*	2E-03 *(4E-04, 3E-03)*	* *	* *	-
SILVER	4E-09 *(3E-09, 3E-08)*	2E-06 *(9E-08, 5E-06)*	8E-06 *(7E-06, 8E-06)*	* *	-
THALLIUM	6E-05 *(4E-05, 2E-04)*	5E-03 *(2E-03, 7E-03)*	8E-03 *(4E-03, 9E-03)*	* *	-
Hazard Index	1E-02 *(8E-03, 2E-02)*	7E-02 *(7E-02, 8E-02)*	8E-02 *(7E-02, 8E-02)*	8E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	4E-06 *(4E-06, 5E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	3E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-03 *(8E-04, 3E-03)*	9E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D106. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-08 *(2E-08, 6E-08)*	* *	* *	* *	-
ARSENIC	7E-11 *(5E-11, 1E-10)*	2E-09 *	* *	* *	-
Additive Risk	4E-08 *(2E-08, 6E-08)*	2E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 3E-10)*	8E-10 *(6E-10, 9E-10)*	1E-09 *(1E-09, 1E-09)*	8E-09 *(8E-09, 8E-09)*	-
ARSENIC	3E-10 *(2E-10, 5E-10)*	3E-09 *(1E-09, 6E-09)*	7E-09 *(3E-09, 8E-09)*	1E-08 *(1E-08, 1E-08)*	-
BERYLLIUM	4E-11 *(3E-11, 5E-11)*	4E-10 *(3E-10, 5E-10)*	6E-10 *(4E-10, 7E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	9E-10 *(7E-10, 1E-09)*	3E-09 *(3E-09, 3E-09)*	4E-09 *(4E-09, 4E-09)*	8E-08 *(8E-08, 8E-08)*	-
CHROMIUM (VI)	4E-10 *(2E-10, 5E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	3E-09 *	-
NICKEL	7E-11 *(6E-11, 9E-11)*	1E-09 *(2E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	8E-09 *(8E-09, 8E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	8E-09 *(6E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(2E-07, 6E-07)*	2E-05 *	* *	* *	-
ARSENIC	1E-06 *(9E-07, 2E-06)*	4E-05 *	* *	* *	-
BARIUM	3E-07 *(2E-07, 4E-07)*	7E-06 *(2E-06, 2E-05)*	3E-05 *(5E-06, 4E-05)*	6E-05 *	-
BERYLLIUM	2E-07 *(1E-07, 3E-07)*	3E-06 *(1E-06, 6E-06)*	6E-06 *(2E-06, 8E-06)*	* *	-
CADMIUM	3E-05 *(2E-05, 6E-05)*	5E-04 *(5E-04, 5E-04)*	6E-04 *(6E-04, 6E-04)*	* *	-
CHROMIUM (III)	7E-09 *(5E-09, 8E-09)*	6E-08 *(5E-08, 7E-08)*	9E-08 *(9E-08, 1E-07)*	3E-07 *(3E-07, 3E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 5E-08)*	2E-07 *	* *	* *	-
COBALT	6E-09 *(5E-09, 7E-09)*	4E-08 *(4E-08, 5E-08)*	6E-08 *(5E-08, 6E-08)*	9E-08 *(8E-08, 9E-08)*	-
MANGANESE	9E-09 *(8E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-05 *(1E-05, 2E-05)*	9E-05 *(8E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	5E-04 *(2E-04, 7E-04)*	-
MERCURY (METHYL)[a]	min: 5E-05	median: 7E-03	max: 6E-02		
NICKEL	5E-08 *(3E-08, 9E-08)*	2E-06 *(4E-07, 2E-06)*	3E-06 *(3E-06, 3E-06)*	9E-06 *(9E-06, 9E-06)*	-
SELENIUM	6E-05 *(5E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	* *	* *	-
SILVER	2E-09 *(9E-10, 1E-08)*	1E-06 *(6E-08, 2E-06)*	4E-06 *(3E-06, 4E-06)*	* *	-
THALLIUM	4E-05 *(2E-05, 1E-04)*	3E-03 *	* *	* *	-
Hazard Index	1E-02 *(6E-03, 1E-02)*	5E-02 *(5E-02, 6E-02)*	6E-02 *(5E-02, 6E-02)*	6E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	4E-06 *(4E-06, 5E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	3E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-03 *(8E-04, 2E-03)*	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D107. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08 *(9E-09, 3E-08)*	* *	* *	* *	-
ARSENIC	4E-11 *(3E-11, 9E-11)*	1E-09 *	* *	* *	-
Additive Risk	3E-08 *(1E-08, 3E-08)*	9E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(1E-10, 2E-10)*	5E-10 *(4E-10, 6E-10)*	7E-10 *(6E-10, 8E-10)*	5E-09 *(5E-09, 5E-09)*	-
ARSENIC	2E-10 *(1E-10, 3E-10)*	2E-09 *(9E-10, 4E-09)*	5E-09 *(2E-09, 5E-09)*	8E-09 *(7E-09, 8E-09)*	-
BERYLLIUM	2E-11 *(2E-11, 3E-11)*	2E-10 *(2E-10, 3E-10)*	4E-10 *(3E-10, 4E-10)*	9E-10 *(9E-10, 9E-10)*	-
CADMIUM	6E-10 *(4E-10, 7E-10)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 3E-09)*	5E-08 *(5E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	1E-09 *(8E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *	-
NICKEL	5E-11 *(4E-11, 6E-11)*	7E-10 *(2E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	5E-09 *(5E-09, 5E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	5E-09 *(4E-09, 8E-09)*	9E-09 *(8E-09, 1E-08)*	7E-08 *(7E-08, 7E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(1E-07, 3E-07)*	1E-05 *	* *	* *	-
ARSENIC	7E-07 *(6E-07, 1E-06)*	2E-05 *	* *	* *	-
BARIUM	2E-07 *(1E-07, 2E-07)*	4E-06 *(1E-06, 1E-05)*	1E-05 *(3E-06, 2E-05)*	3E-05 *	-
BERYLLIUM	1E-07 *(9E-08, 1E-07)*	1E-06 *(7E-07, 3E-06)*	3E-06 *(1E-06, 4E-06)*	* *	-
CADMIUM	2E-05 *(1E-05, 3E-05)*	3E-04 *(2E-04, 3E-04)*	3E-04 *(3E-04, 3E-04)*	* *	-
CHROMIUM (III)	3E-09 *(3E-09, 4E-09)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(5E-08, 6E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	9E-09 *(5E-09, 2E-08)*	1E-07 *(9E-08, 3E-07)*	4E-07 *(1E-07, 6E-07)*	* *	-
COBALT	9E-09 *(7E-09, 1E-08)*	2E-07 *	* *	* *	-
MANGANESE	6E-09 *(4E-09, 9E-09)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	9E-06 *(8E-06, 1E-05)*	6E-05 *(4E-05, 7E-05)*	7E-05 *(6E-05, 9E-05)*	2E-04 *(1E-04, 4E-04)*	-
MERCURY (METHYL)[a]	min: 3E-05	median: 4E-03	max: 3E-02		
NICKEL	3E-08 *(1E-08, 5E-08)*	1E-06 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	5E-04 *(2E-04, 7E-04)*	* *	* *	-
SILVER	9E-10 *(6E-10, 7E-09)*	9E-07 *(4E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	2E-05 *(1E-05, 8E-05)*	2E-03 *(6E-04, 3E-03)*	3E-03 *(1E-03, 4E-03)*	5E-03 *	-
Hazard Index	5E-03 *(3E-03, 8E-03)*	3E-02 *(3E-02, 3E-02)*	3E-02 *(3E-02, 3E-02)*	3E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	4E-06 *(4E-06, 5E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	3E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-04 *(3E-04, 9E-04)*	* *	* *	* *	-
TCDD-TEQ	1E-03 *(5E-04, 1E-03)*	4E-03 *(2E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D108. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-08 *(1E-08, 5E-08)*	* *	* *	* *	-
ARSENIC	6E-11 *(5E-11, 9E-11)*	2E-09 *	* *	* *	-
Additive Risk	4E-08 *(2E-08, 5E-08)*	2E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(2E-10, 2E-10)*	6E-10 *(5E-10, 6E-10)*	8E-10 *(7E-10, 9E-10)*	6E-09 *(6E-09, 6E-09)*	-
ARSENIC	2E-10 *(2E-10, 4E-10)*	2E-09 *(1E-09, 4E-09)*	5E-09 *(2E-09, 6E-09)*	9E-09 *(8E-09, 9E-09)*	-
BERYLLIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(2E-10, 3E-10)*	4E-10 *(3E-10, 5E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	6E-10 *(5E-10, 8E-10)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 3E-09)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 4E-10)*	1E-09 *(9E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	3E-09 *	-
NICKEL	5E-11 *(5E-11, 7E-11)*	8E-10 *(2E-10, 1E-09)*	2E-09 *(8E-10, 2E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	6E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 1E-08)*	8E-08 *(8E-08, 8E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(1E-07, 2E-07)*	1E-05 *	* *	* *	-
ARSENIC	8E-07 *(6E-07, 2E-06)*	2E-05 *	* *	* *	-
BARIUM	9E-08 *(6E-08, 1E-07)*	1E-06 *(5E-07, 1E-05)*	1E-05 *(1E-06, 2E-05)*	2E-05 *	-
BERYLLIUM	7E-08 *(5E-08, 9E-08)*	9E-07 *(4E-07, 2E-06)*	2E-06 *(8E-07, 3E-06)*	* *	-
CADMIUM	2E-05 *(9E-06, 3E-05)*	3E-04 *(2E-04, 3E-04)*	3E-04 *(3E-04, 3E-04)*	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 1E-09)*	1E-08 *(9E-09, 1E-08)*	2E-08 *(2E-08, 2E-08)*	7E-08 *(7E-08, 7E-08)*	-
CHROMIUM (VI)	8E-09 *(5E-09, 2E-08)*	1E-07 *	* *	* *	-
COBALT	6E-09 *(4E-09, 9E-09)*	3E-07 *	* *	* *	-
MANGANESE	4E-09 *(3E-09, 6E-09)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	4E-06 *(3E-06, 6E-06)*	2E-05 *(2E-05, 3E-05)*	3E-05 *(3E-05, 4E-05)*	9E-05 *	-
MERCURY (METHYL)[a]	min: 3E-05	median: 4E-03	max: 3E-02		
NICKEL	2E-08 *(1E-08, 5E-08)*	9E-07 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	9E-04 *(2E-04, 1E-03)*	* *	* *	-
SILVER	9E-10 *(4E-10, 7E-09)*	9E-07 *(4E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	2E-05 *(1E-05, 6E-05)*	2E-03 *	* *	* *	-
Hazard Index	6E-03 *(3E-03, 8E-03)*	3E-02 *(3E-02, 3E-02)*	3E-02 *(3E-02, 3E-02)*	3E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	4E-06 *(4E-06, 5E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	3E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-04 *(3E-04, 8E-04)*	* *	* *	* *	-
TCDD-TEQ	1E-03 *(5E-04, 1E-03)*	4E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D109. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	7E-11 *	* *	* *	* *	-
Additive Risk	3E-08 *(3E-08, 5E-08)*	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(3E-11, 9E-10)*	6E-09 *(3E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 9E-10)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
BERYLLIUM	3E-11 *(3E-11, 1E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	6E-11 *(5E-11, 8E-09)*	6E-08 *(3E-08, 8E-08)*	1E-07 *(7E-08, 1E-07)*	* *	-
CHROMIUM (VI)	9E-10 *(8E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	* *	-
NICKEL	7E-11 *(6E-11, 9E-10)*	6E-09 *(3E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 1E-08)*	8E-08 *(4E-08, 1E-07)*	1E-07 *(9E-08, 2E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *	* *	* *	* *	-
ARSENIC	1E-06 *(8E-07, 2E-05)*	* *	* *	* *	-
BARIUM	6E-07 *(5E-07, 8E-07)*	4E-06 *	* *	* *	-
BERYLLIUM	9E-07 *(5E-07, 1E-06)*	* *	* *	* *	-
CADMIUM	9E-06 *	9E-04 *	* *	* *	-
CHROMIUM (III)	3E-08 *(9E-09, 5E-08)*	* *	* *	* *	-
CHROMIUM (VI)	1E-07 *(5E-08, 2E-07)*	3E-07 *	* *	* *	-
COBALT	2E-08 *(2E-08, 2E-08)*	2E-07 *	* *	* *	-
MANGANESE	9E-09 *(2E-09, 3E-07)*	7E-07 *(6E-07, 8E-07)*	* *	* *	-
MERCURY (DIVALENT)	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	* *	* *	-
MERCURY (METHYL)[b]	min: 3E-02	median: 5E-02	max: 7E-02		
NICKEL	1E-07 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	4E-09 *	* *	* *	* *	-
THALLIUM	7E-05 *	3E-04 *(2E-04, 3E-04)*	* *	* *	-
Hazard Index	7E-02 *(3E-02, 7E-02)*	7E-02 *(7E-02, 7E-02)*	7E-02 *(7E-02, 7E-02)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	4E-06 *(4E-06, 4E-06)*	4E-06 *(4E-06, 4E-06)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D110. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	4E-11 *	* *	* *	* *	-
Additive Risk	3E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(3E-11, 1E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
ARSENIC	2E-10 *(1E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	* *	-
BERYLLIUM	4E-11 *(3E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	7E-11 *(5E-11, 9E-09)*	7E-08 *(3E-08, 1E-07)*	1E-07 *(8E-08, 1E-07)*	* *	-
CHROMIUM (VI)	1E-09 *(1E-09, 1E-09)*	2E-09 *(2E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	* *	-
NICKEL	9E-11 *(7E-11, 1E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(2E-09, 1E-08)*	9E-08 *(4E-08, 1E-07)*	2E-07 *(1E-07, 2E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *	* *	* *	* *	-
ARSENIC	7E-07 *	* *	* *	* *	-
BARIUM	2E-07 *(9E-08, 3E-07)*	9E-07 *(7E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	* *	-
BERYLLIUM	5E-07 *(2E-07, 6E-07)*	2E-06 *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	7E-09 *(2E-09, 1E-08)*	2E-07 *	* *	* *	-
CHROMIUM (VI)	5E-08 *	* *	* *	* *	-
COBALT	6E-09 *(5E-09, 6E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *	* *	* *	* *	-
MERCURY (DIVALENT)	5E-05 *(5E-05, 6E-05)*	5E-04 *(2E-04, 6E-04)*	7E-04 *(6E-04, 8E-04)*	* *	-
MERCURY (METHYL)[b]	min: 2E-02	median: 4E-02	max: 5E-02		
NICKEL	4E-08 *(2E-08, 2E-06)*	9E-06 *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	8E-10 *	* *	* *	* *	-
THALLIUM	5E-05 *	* *	* *	* *	-
Hazard Index	5E-02 *(2E-02, 5E-02)*	5E-02 *(5E-02, 5E-02)*	5E-02 *(5E-02, 5E-02)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	4E-06 *(4E-06, 4E-06)*	4E-06 *(4E-06, 4E-06)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D111. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	7E-08 *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	1E-08 *	7E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 6E-10)*	5E-09 *(2E-09, 7E-09)*	8E-09 *(5E-09, 9E-09)*	* *	-
ARSENIC	1E-10 *(8E-11, 7E-10)*	5E-09 *(2E-09, 7E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
BERYLLIUM	2E-11 *(2E-11, 1E-10)*	8E-10 *(3E-10, 1E-09)*	1E-09 *(9E-10, 2E-09)*	* *	-
CADMIUM	4E-11 *(3E-11, 6E-09)*	4E-08 *(2E-08, 6E-08)*	7E-08 *(5E-08, 9E-08)*	* *	-
CHROMIUM (VI)	7E-10 *(6E-10, 7E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
NICKEL	6E-11 *(4E-11, 6E-10)*	5E-09 *(2E-09, 7E-09)*	8E-09 *(5E-09, 9E-09)*	* *	-
Additive Risk	1E-09 *(1E-09, 8E-09)*	6E-08 *(3E-08, 9E-08)*	1E-07 *(7E-08, 1E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(7E-08, 2E-07)*	* *	* *	* *	-
BERYLLIUM	3E-07 *(9E-08, 4E-07)*	* *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	4E-09 *(1E-09, 7E-09)*	1E-07 *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	1E-08 *	* *	* *	* *	-
MANGANESE	1E-09 *(3E-10, 6E-08)*	* *	* *	* *	-
MERCURY (DIVALENT)	3E-05 *(2E-05, 3E-05)*	2E-04 *(8E-05, 3E-04)*	4E-04 *(3E-04, 4E-04)*	* *	-
MERCURY (METHYL)[b]	min: 1E-02	median: 2E-02	max: 3E-02		
NICKEL	2E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	6E-10 *	* *	* *	* *	-
THALLIUM	2E-05 *	* *	* *	* *	-
Hazard Index	3E-02 *(1E-02, 3E-02)*	3E-02 *(3E-02, 3E-02)*	3E-02 *(3E-02, 3E-02)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	4E-06 *(4E-06, 4E-06)*	4E-06 *(4E-06, 4E-06)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D112. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	2E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 7E-10)*	5E-09 *(2E-09, 8E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 8E-10)*	6E-09 *(3E-09, 8E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
BERYLLIUM	3E-11 *(2E-11, 1E-10)*	9E-10 *(4E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	5E-11 *(4E-11, 7E-09)*	5E-08 *(2E-08, 7E-08)*	9E-08 *(6E-08, 1E-07)*	* *	-
CHROMIUM (VI)	8E-10 *(7E-10, 9E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	* *	-
NICKEL	6E-11 *(5E-11, 7E-10)*	5E-09 *(2E-09, 8E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
Additive Risk	1E-09 *(1E-09, 9E-09)*	7E-08 *(3E-08, 1E-07)*	1E-07 *(8E-08, 1E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
BERYLLIUM	1E-07 *(6E-08, 3E-07)*	* *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(5E-10, 3E-09)*	4E-08 *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	7E-09 *	* *	* *	* *	-
MANGANESE	6E-10 *	* *	* *	* *	-
MERCURY (DIVALENT)	2E-05 *(1E-05, 2E-05)*	7E-05 *(3E-05, 1E-04)*	* *	* *	-
MERCURY (METHYL)[b]	min: 1E-02	median: 2E-02	max: 3E-02		
NICKEL	1E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	2E-10 *	* *	* *	* *	-
THALLIUM	3E-05 *	* *	* *	* *	-
Hazard Index	3E-02 *(1E-02, 3E-02)*	3E-02 *(3E-02, 3E-02)*	3E-02 *(3E-02, 3E-02)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	4E-06 *(4E-06, 4E-06)*	4E-06 *(4E-06, 4E-06)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	3E-03 *(3E-03, 3E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D113. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08	8E-08	*	*	-
ARSENIC	3E-10	9E-10	*	*	-
Additive Risk	1E-08	8E-08	*	*	-
Cancer - Inhalation					
TCDD-TEQ	4E-10	4E-09	6E-09	*	-
ARSENIC	1E-09	5E-09	7E-09	*	-
BERYLLIUM	5E-11	3E-10	4E-10	*	-
CADMIUM	8E-10	4E-09	6E-09	*	-
CHROMIUM (VI)	6E-10	5E-09	7E-09	*	-
NICKEL	1E-10	3E-09	8E-09	*	-
Additive Risk	6E-09	2E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-06	7E-05	9E-05	*	-
ARSENIC	7E-06	2E-05	4E-05	*	-
BARIUM	2E-07	3E-06	5E-06	*	-
BERYLLIUM	3E-07	3E-06	8E-06	*	-
CADMIUM	1E-05	5E-05	7E-05	*	-
CHROMIUM (III)	3E-08	3E-07	4E-07	*	-
CHROMIUM (VI)	9E-08	7E-07	9E-07	*	-
COBALT	1E-08	9E-08	1E-07	*	-
MANGANESE	4E-08	9E-08	1E-07	*	-
MERCURY (DIVALENT)	3E-05	1E-04	2E-04	*	-
MERCURY (METHYL)[b]	min: 4E-04	median: 1E-03	max: 5E-03		
NICKEL	3E-07	4E-06	6E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	6E-08	*	*	*	-
THALLIUM	1E-05	2E-05	3E-05	*	-
Hazard Index	1E-03	5E-03	5E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-04	5E-03	7E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D114. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08	7E-08	9E-08	*	-
ARSENIC	1E-10	6E-10	8E-10	*	-
Additive Risk	1E-08	7E-08	9E-08	*	-
Cancer - Inhalation					
TCDD-TEQ	5E-10	4E-09	7E-09	*	-
ARSENIC	1E-09	6E-09	8E-09	*	-
BERYLLIUM	6E-11	3E-10	5E-10	*	-
CADMIUM	9E-10	4E-09	7E-09	*	-
CHROMIUM (VI)	7E-10	5E-09	7E-09	*	-
NICKEL	1E-10	4E-09	9E-09	*	-
Additive Risk	6E-09	2E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	4E-06	*	*	*	-
ARSENIC	3E-06	1E-05	*	*	-
BARIUM	7E-08	9E-07	1E-06	*	-
BERYLLIUM	9E-08	9E-07	2E-06	*	-
CADMIUM	6E-06	3E-05	*	*	-
CHROMIUM (III)	8E-09	8E-08	1E-07	*	-
CHROMIUM (VI)	5E-08	3E-07	4E-07	*	-
COBALT	3E-09	2E-08	*	*	-
MANGANESE	2E-08	4E-08	5E-08	*	-
MERCURY (DIVALENT)	8E-06	4E-05	6E-05	*	-
MERCURY (METHYL)[b]	min: 3E-04	median: 7E-04	max: 4E-03		
NICKEL	2E-07	2E-06	3E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	5E-06	1E-05	*	*	-
Hazard Index	8E-04	4E-03	4E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	4E-04	3E-03	*	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D115. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-09	6E-08	7E-08	*	-
ARSENIC	1E-10	4E-10	4E-10	*	-
Additive Risk	6E-09	7E-08	7E-08	*	-
Cancer - Inhalation					
TCDD-TEQ	3E-10	3E-09	5E-09	*	-
ARSENIC	9E-10	4E-09	5E-09	*	-
BERYLLIUM	4E-11	2E-10	3E-10	*	-
CADMIUM	6E-10	3E-09	4E-09	*	-
CHROMIUM (VI)	5E-10	3E-09	5E-09	*	-
NICKEL	9E-11	2E-09	6E-09	*	-
Additive Risk	4E-09	1E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	*	*	*	-
ARSENIC	2E-06	7E-06	8E-06	*	-
BARIUM	4E-08	5E-07	7E-07	*	-
BERYLLIUM	6E-08	5E-07	9E-07	*	-
CADMIUM	4E-06	*	*	*	-
CHROMIUM (III)	4E-09	4E-08	6E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	5E-08	5E-08	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	5E-06	2E-05	3E-05	*	-
MERCURY (METHYL)[b]	min: 1E-04	median: 4E-04	max: 2E-03		
NICKEL	9E-08	*	*	*	-
SELENIUM	7E-07	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	2E-06	8E-06	*	*	-
Hazard Index	4E-04	2E-03	2E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-04	*	*	*	-
TCDD-TEQ	2E-04	2E-03	2E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D116. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+): Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-09	*	*	*	-
ARSENIC	2E-10	6E-10	7E-10	*	-
Additive Risk	9E-09	*	*	*	-
Cancer - Inhalation					
TCDD-TEQ	4E-10	3E-09	5E-09	*	-
ARSENIC	1E-09	5E-09	6E-09	*	-
BERYLLIUM	4E-11	2E-10	3E-10	*	-
CADMIUM	7E-10	3E-09	5E-09	*	-
CHROMIUM (VI)	5E-10	4E-09	5E-09	*	-
NICKEL	1E-10	3E-09	7E-09	*	-
Additive Risk	5E-09	1E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	3E-05	*	*	-
ARSENIC	2E-06	8E-06	8E-06	*	-
BARIUM	2E-08	2E-07	3E-07	*	-
BERYLLIUM	4E-08	2E-07	5E-07	*	-
CADMIUM	3E-06	*	*	*	-
CHROMIUM (III)	1E-09	1E-08	2E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	*	*	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	2E-06	9E-06	1E-05	*	-
MERCURY (METHYL)[b]	min: 2E-04	median: 4E-04	max: 2E-03		
NICKEL	1E-07	*	*	*	-
SELENIUM	6E-07	*	*	*	-
SILVER	3E-08	*	*	*	-
THALLIUM	2E-06	9E-06	*	*	-
Hazard Index	4E-04	2E-03	2E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	*	1E-03	2E-03	*	-
TCDD-TEQ	2E-04	2E-03	2E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D117. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(9E-10, 1E-09)*	3E-08 *(9E-09, 4E-08)*	5E-08 *(3E-08, 8E-08)*	* *	-
ARSENIC	4E-11 *(1E-11, 8E-11)*	9E-10 *(5E-10, 3E-09)*	6E-09 *(1E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	4E-08 *(1E-08, 5E-08)*	6E-08 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(2E-11, 6E-11)*	4E-10 *(3E-10, 5E-10)*	7E-10 *(6E-10, 8E-10)*	1E-09 *	-
ARSENIC	2E-10 *(8E-11, 4E-10)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *(3E-08, 5E-08)*	-
BERYLLIUM	5E-12 *(3E-12, 7E-12)*	2E-10 *(7E-11, 3E-10)*	5E-10 *(2E-10, 8E-10)*	1E-09 *	-
CADMIUM	9E-11 *(6E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 8E-09)*	3E-08 *	-
CHROMIUM (VI)	6E-10 *(3E-10, 8E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(1E-11, 3E-11)*	5E-10 *(3E-10, 6E-10)*	1E-09 *(7E-10, 1E-09)*	4E-09 *(3E-09, 5E-09)*	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-08 *(2E-08, 2E-07)*	2E-04 *(9E-06, 1E-03)*	2E-03 *(2E-04, 3E-03)*	* *	-
ARSENIC	9E-07 *(3E-07, 2E-06)*	2E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 4E-04)*	* *	-
BARIUM	3E-08 *(1E-08, 4E-08)*	5E-07 *(4E-07, 7E-07)*	1E-06 *(9E-07, 2E-06)*	9E-06 *(5E-06, 9E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 3E-08)*	7E-07 *(3E-07, 1E-06)*	2E-06 *(9E-07, 9E-06)*	3E-05 *(7E-06, 3E-05)*	-
CADMIUM	2E-06 *(1E-06, 3E-06)*	7E-05 *(2E-05, 3E-04)*	3E-04 *(9E-05, 5E-04)*	6E-04 *(4E-04, 6E-04)*	-
CHROMIUM (III)	3E-09 *(1E-09, 4E-09)*	7E-08 *(5E-08, 9E-08)*	1E-07 *(9E-08, 1E-07)*	4E-07 *(3E-07, 4E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 4E-08)*	2E-06 *(5E-07, 9E-06)*	1E-05 *(2E-06, 3E-05)*	* *	-
COBALT	8E-10 *(6E-10, 9E-10)*	1E-08 *(1E-08, 1E-08)*	3E-08 *(2E-08, 3E-08)*	7E-08 *(6E-08, 9E-08)*	-
MANGANESE	1E-08 *(7E-09, 1E-08)*	3E-07 *(1E-07, 5E-07)*	6E-07 *(3E-07, 8E-07)*	9E-07 *	-
MERCURY (DIVALENT)	3E-07 *(2E-07, 6E-07)*	2E-05 *(9E-06, 4E-05)*	6E-05 *(2E-05, 9E-05)*	2E-04 *(1E-04, 2E-04)*	-
MERCURY (METHYL)[a]	min: 6E-10	median: 7E-06	max: 2E-03		
NICKEL	9E-09 *(5E-09, 1E-08)*	1E-06 *(5E-07, 4E-06)*	4E-06 *(1E-06, 6E-06)*	1E-05 *(3E-06, 2E-05)*	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(1E-05, 5E-05)*	9E-05 *(2E-05, 2E-04)*	* *	-
SILVER	1E-09 *(9E-10, 5E-09)*	4E-07 *(9E-08, 7E-07)*	9E-07 *(4E-07, 2E-06)*	* *	-
THALLIUM	7E-07 *(4E-07, 9E-07)*	2E-05 *(1E-05, 4E-05)*	8E-05 *(3E-05, 4E-04)*	9E-04 *(2E-04, 9E-04)*	-
Hazard Index	5E-05 *(3E-05, 1E-04)*	2E-03 *(7E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(3E-07, 9E-07)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 2E-05)*	5E-05 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-05 *(4E-05, 7E-05)*	1E-03 *(4E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D118. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(8E-10, 1E-09)*	3E-08 *(9E-09, 4E-08)*	5E-08 *(3E-08, 7E-08)*	* *	-
ARSENIC	2E-11 *(9E-12, 5E-11)*	6E-10 *(3E-10, 2E-09)*	3E-09 *(8E-10, 9E-09)*	* *	-
Additive Risk	1E-09 *(1E-09, 2E-09)*	3E-08 *(1E-08, 4E-08)*	5E-08 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(3E-11, 6E-11)*	5E-10 *(4E-10, 6E-10)*	8E-10 *(7E-10, 1E-09)*	2E-09 *	-
ARSENIC	2E-10 *(1E-10, 4E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	-
BERYLLIUM	5E-12 *(4E-12, 8E-12)*	2E-10 *(8E-11, 4E-10)*	5E-10 *(2E-10, 9E-10)*	2E-09 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(3E-09, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	6E-10 *(4E-10, 1E-09)*	1E-08 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(1E-11, 4E-11)*	5E-10 *(3E-10, 7E-10)*	1E-09 *(8E-10, 2E-09)*	4E-09 *(3E-09, 5E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(9E-09, 9E-08)*	7E-05 *(4E-06, 4E-04)*	7E-04 *(7E-05, 1E-03)*	* *	-
ARSENIC	4E-07 *(1E-07, 9E-07)*	1E-05 *(6E-06, 4E-05)*	6E-05 *(1E-05, 2E-04)*	* *	-
BARIUM	9E-09 *(5E-09, 1E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(2E-07, 6E-07)*	2E-06 *(1E-06, 3E-06)*	-
BERYLLIUM	7E-09 *(5E-09, 1E-08)*	2E-07 *(1E-07, 4E-07)*	7E-07 *(3E-07, 3E-06)*	* *	-
CADMIUM	1E-06 *(8E-07, 2E-06)*	4E-05 *(1E-05, 2E-04)*	2E-04 *	* *	-
CHROMIUM (III)	7E-10 *(4E-10, 9E-10)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	1E-07 *(9E-08, 1E-07)*	-
CHROMIUM (VI)	8E-09 *(4E-09, 1E-08)*	9E-07 *(2E-07, 4E-06)*	5E-06 *	* *	-
COBALT	2E-10 *(1E-10, 3E-10)*	4E-09 *(3E-09, 5E-09)*	7E-09 *(6E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
MANGANESE	4E-09 *(2E-09, 7E-09)*	1E-07 *(5E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	5E-07 *(3E-07, 8E-07)*	-
MERCURY (DIVALENT)	9E-08 *(5E-08, 1E-07)*	5E-06 *(2E-06, 9E-06)*	1E-05 *(7E-06, 3E-05)*	5E-05 *(4E-05, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 5E-06	max: 1E-03		
NICKEL	3E-09 *(2E-09, 7E-09)*	6E-07 *(2E-07, 2E-06)*	2E-06 *(6E-07, 3E-06)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	6E-05 *(2E-05, 9E-05)*	* *	-
SILVER	8E-10 *(3E-10, 1E-09)*	2E-07 *(6E-08, 5E-07)*	6E-07 *(2E-07, 9E-07)*	* *	-
THALLIUM	4E-07 *(2E-07, 7E-07)*	1E-05 *(7E-06, 2E-05)*	5E-05 *(1E-05, 2E-04)*	7E-04 *(1E-04, 7E-04)*	-
Hazard Index	3E-05 *(1E-05, 5E-05)*	1E-03 *(5E-04, 1E-03)*	1E-03 *(1E-03, 3E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(3E-07, 9E-07)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 2E-05)*	5E-05 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	4E-05 *(2E-05, 5E-05)*	9E-04 *(3E-04, 1E-03)*	2E-03 *(9E-04, 2E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D119. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-10 *(4E-10, 8E-10)*	1E-08 *(5E-09, 2E-08)*	3E-08 *(1E-08, 4E-08)*	* *	-
ARSENIC	1E-11 *(5E-12, 3E-11)*	4E-10 *(2E-10, 1E-09)*	2E-09 *(4E-10, 8E-09)*	* *	-
Additive Risk	8E-10 *(5E-10, 9E-10)*	2E-08 *(7E-09, 3E-08)*	3E-08 *(2E-08, 5E-08)*	1E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 4E-11)*	3E-10 *(3E-10, 4E-10)*	5E-10 *(4E-10, 6E-10)*	1E-09 *	-
ARSENIC	2E-10 *(6E-11, 3E-10)*	6E-09 *(4E-09, 7E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *(3E-08, 4E-08)*	-
BERYLLIUM	3E-12 *(2E-12, 5E-12)*	1E-10 *(5E-11, 3E-10)*	4E-10 *(1E-10, 6E-10)*	1E-09 *	-
CADMIUM	7E-11 *(5E-11, 1E-10)*	1E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(2E-10, 6E-10)*	7E-09 *(5E-09, 8E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(8E-12, 2E-11)*	3E-10 *(2E-10, 5E-10)*	8E-10 *(5E-10, 1E-09)*	3E-09 *(2E-09, 3E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(6E-09, 6E-08)*	4E-05 *(2E-06, 3E-04)*	7E-04 *(4E-05, 9E-04)*	* *	-
ARSENIC	2E-07 *(9E-08, 5E-07)*	7E-06 *(4E-06, 2E-05)*	4E-05 *	* *	-
BARIUM	5E-09 *(2E-09, 8E-09)*	8E-08 *(6E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	1E-06 *(6E-07, 1E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	1E-07 *(6E-08, 2E-07)*	4E-07 *(1E-07, 1E-06)*	* *	-
CADMIUM	8E-07 *(4E-07, 1E-06)*	2E-05 *(7E-06, 9E-05)*	1E-04 *	* *	-
CHROMIUM (III)	4E-10 *(2E-10, 6E-10)*	9E-09 *(8E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *(4E-08, 6E-08)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	8E-07 *(1E-07, 3E-06)*	4E-06 *	* *	-
COBALT	8E-10 *(4E-10, 1E-09)*	4E-08 *(1E-08, 8E-08)*	8E-08 *(4E-08, 9E-08)*	1E-07 *	-
MANGANESE	2E-09 *(1E-09, 4E-09)*	8E-08 *(3E-08, 2E-07)*	2E-07 *(8E-08, 2E-07)*	3E-07 *	-
MERCURY (DIVALENT)	5E-08 *(3E-08, 9E-08)*	3E-06 *(1E-06, 5E-06)*	9E-06 *(4E-06, 1E-05)*	2E-05 *(2E-05, 3E-05)*	-
MERCURY (METHYL)[a]	min: 8E-11	median: 3E-06	max: 7E-04		
NICKEL	2E-09 *(1E-09, 4E-09)*	4E-07 *(1E-07, 1E-06)*	1E-06 *(3E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(4E-06, 2E-05)*	3E-05 *(9E-06, 6E-05)*	* *	-
SILVER	5E-10 *(1E-10, 8E-10)*	2E-07 *(4E-08, 3E-07)*	4E-07 *(2E-07, 5E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	7E-06 *(3E-06, 1E-05)*	3E-05 *(9E-06, 1E-04)*	4E-04 *(7E-05, 4E-04)*	-
Hazard Index	2E-05 *(8E-06, 3E-05)*	7E-04 *(3E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(3E-07, 9E-07)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 2E-05)*	5E-05 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(9E-06, 2E-05)*	5E-04 *(1E-04, 6E-04)*	8E-04 *(5E-04, 1E-03)*	5E-03 *	-
TCDD-TEQ	2E-05 *(2E-05, 3E-05)*	8E-04 *(2E-04, 9E-04)*	1E-03 *(8E-04, 1E-03)*	7E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D120. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(6E-10, 1E-09)*	3E-08 *(8E-09, 4E-08)*	4E-08 *(3E-08, 6E-08)*	* *	-
ARSENIC	2E-11 *(8E-12, 4E-11)*	6E-10 *(2E-10, 1E-09)*	3E-09 *	* *	-
Additive Risk	1E-09 *(8E-10, 1E-09)*	3E-08 *(1E-08, 4E-08)*	4E-08 *(3E-08, 7E-08)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 5E-11)*	4E-10 *(3E-10, 5E-10)*	6E-10 *(5E-10, 7E-10)*	1E-09 *	-
ARSENIC	2E-10 *(7E-11, 3E-10)*	7E-09 *(4E-09, 8E-09)*	1E-08 *(9E-09, 2E-08)*	4E-08 *(3E-08, 4E-08)*	-
BERYLLIUM	4E-12 *(3E-12, 6E-12)*	1E-10 *(6E-11, 3E-10)*	4E-10 *(2E-10, 7E-10)*	1E-09 *	-
CADMIUM	8E-11 *(5E-11, 1E-10)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(2E-09, 7E-09)*	3E-08 *	-
CHROMIUM (VI)	5E-10 *(3E-10, 7E-10)*	8E-09 *(5E-09, 9E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(9E-12, 3E-11)*	4E-10 *(2E-10, 5E-10)*	9E-10 *(6E-10, 1E-09)*	3E-09 *(2E-09, 4E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	7E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(4E-09, 5E-08)*	5E-05 *(2E-06, 4E-04)*	8E-04 *(5E-05, 1E-03)*	* *	-
ARSENIC	2E-07 *(9E-08, 4E-07)*	7E-06 *(3E-06, 2E-05)*	4E-05 *(7E-06, 1E-04)*	* *	-
BARIUM	2E-09 *(1E-09, 4E-09)*	6E-08 *(3E-08, 8E-08)*	1E-07 *(7E-08, 1E-07)*	5E-07 *(3E-07, 6E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 4E-09)*	8E-08 *(4E-08, 1E-07)*	2E-07 *(9E-08, 9E-07)*	* *	-
CADMIUM	8E-07 *(4E-07, 1E-06)*	2E-05 *(7E-06, 8E-05)*	1E-04 *	* *	-
CHROMIUM (III)	1E-10 *(9E-11, 2E-10)*	4E-09 *(3E-09, 5E-09)*	8E-09 *(6E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	9E-07 *(1E-07, 3E-06)*	4E-06 *(9E-07, 8E-06)*	* *	-
COBALT	6E-10 *(3E-10, 1E-09)*	5E-08 *(9E-09, 9E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *	-
MANGANESE	1E-09 *(9E-10, 3E-09)*	1E-07 *(3E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	4E-07 *	-
MERCURY (DIVALENT)	2E-08 *(1E-08, 4E-08)*	1E-06 *(5E-07, 2E-06)*	3E-06 *(1E-06, 6E-06)*	1E-05 *(8E-06, 1E-05)*	-
MERCURY (METHYL)[a]	min: 3E-11	median: 3E-06	max: 8E-04		
NICKEL	2E-09 *(1E-09, 3E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(4E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(5E-06, 2E-05)*	4E-05 *(1E-05, 7E-05)*	* *	-
SILVER	6E-10 *(1E-10, 9E-10)*	2E-07 *(4E-08, 4E-07)*	5E-07 *(2E-07, 6E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	8E-06 *(3E-06, 1E-05)*	3E-05 *(9E-06, 1E-04)*	4E-04 *(7E-05, 4E-04)*	-
Hazard Index	2E-05 *(9E-06, 3E-05)*	8E-04 *(3E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	6E-03 *(1E-03, 6E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(3E-07, 9E-07)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 2E-05)*	5E-05 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 3E-05)*	7E-04 *(1E-04, 8E-04)*	9E-04 *(7E-04, 1E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	8E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D121. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(1E-09, 2E-09)*	9E-09 *	* *	* *	-
ARSENIC	5E-12 *(8E-13, 2E-11)*	3E-09 *(5E-11, 4E-09)*	4E-09 *(7E-10, 4E-09)*	7E-09 *	-
Additive Risk	2E-09 *(2E-09, 2E-09)*	1E-08 *(2E-09, 2E-08)*	2E-08 *(5E-09, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 4E-11)*	3E-10 *(7E-11, 5E-10)*	6E-10 *(2E-10, 8E-10)*	1E-09 *(9E-10, 1E-09)*	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	1E-08 *(6E-10, 2E-08)*	3E-08 *(6E-09, 4E-08)*	9E-08 *(5E-08, 1E-07)*	-
BERYLLIUM	4E-12 *(2E-12, 8E-12)*	4E-11 *(1E-11, 6E-11)*	6E-11 *(3E-11, 1E-10)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	5E-10 *(9E-11, 3E-09)*	5E-09 *(4E-10, 9E-09)*	4E-08 *(1E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	9E-09 *(3E-09, 1E-08)*	-
NICKEL	1E-11 *(5E-12, 4E-11)*	5E-10 *(2E-10, 1E-09)*	2E-09 *(3E-10, 3E-09)*	7E-09 *(5E-09, 8E-09)*	-
Additive Risk	4E-10 *(3E-10, 1E-09)*	2E-08 *(2E-09, 3E-08)*	4E-08 *(1E-08, 6E-08)*	1E-07 *(8E-08, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(1E-08, 3E-07)*	2E-05 *	* *	* *	-
ARSENIC	8E-08 *(2E-08, 5E-07)*	8E-05 *(1E-06, 9E-05)*	9E-05 *(1E-05, 1E-04)*	1E-04 *(8E-05, 2E-04)*	-
BARIUM	1E-08 *(2E-09, 5E-08)*	9E-07 *(3E-07, 2E-06)*	3E-06 *(5E-07, 4E-06)*	9E-06 *(4E-06, 1E-05)*	-
BERYLLIUM	1E-08 *(7E-09, 3E-08)*	2E-07 *(5E-08, 6E-07)*	6E-07 *(1E-07, 9E-07)*	* *	-
CADMIUM	1E-06 *(8E-07, 4E-06)*	2E-05 *(4E-06, 6E-05)*	1E-04 *(6E-06, 3E-04)*	4E-04 *	-
CHROMIUM (III)	2E-10 *(8E-11, 1E-09)*	4E-08 *(7E-09, 9E-08)*	1E-07 *(3E-08, 2E-07)*	6E-07 *(4E-07, 7E-07)*	-
CHROMIUM (VI)	9E-09 *(4E-09, 9E-09)*	3E-08 *(1E-08, 4E-08)*	5E-08 *(2E-08, 5E-08)*	1E-07 *(6E-08, 2E-07)*	-
COBALT	9E-10 *(4E-10, 2E-09)*	2E-08 *(6E-09, 5E-08)*	6E-08 *(9E-09, 8E-08)*	2E-07 *(9E-08, 2E-07)*	-
MANGANESE	1E-08 *(2E-09, 2E-08)*	3E-07 *(3E-08, 5E-07)*	6E-07 *(5E-08, 7E-07)*	9E-07 *	-
MERCURY (DIVALENT)	9E-08 *(5E-08, 2E-07)*	9E-06 *(7E-07, 2E-05)*	2E-05 *(2E-06, 5E-05)*	9E-05 *	-
MERCURY (METHYL)[a]	min: 3E-09	median: 9E-06	max: 6E-04		
NICKEL	6E-09 *(4E-09, 1E-08)*	9E-07 *(3E-08, 1E-06)*	1E-06 *(9E-08, 1E-06)*	2E-06 *(1E-06, 3E-06)*	-
SELENIUM	4E-07 *(5E-08, 9E-07)*	7E-06 *(9E-07, 2E-05)*	* *	* *	-
SILVER	1E-09 *(1E-10, 2E-09)*	5E-08 *	* *	* *	-
THALLIUM	8E-07 *(2E-07, 9E-07)*	7E-05 *(1E-06, 1E-04)*	3E-04 *(6E-05, 7E-04)*	1E-03 *(9E-04, 2E-03)*	-
Hazard Index	2E-05 *(5E-06, 2E-05)*	1E-03 *(8E-05, 3E-03)*	3E-03 *(7E-04, 3E-03)*	3E-03 *(1E-03, 3E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-07 *(4E-07, 1E-06)*	5E-06 *(2E-06, 1E-05)*	2E-05 *(4E-06, 3E-05)*	8E-05 *(4E-05, 9E-05)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-05 *(6E-05, 7E-05)*	5E-04 *(8E-05, 8E-04)*	8E-04 *(1E-04, 9E-04)*	9E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D122. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(1E-09, 2E-09)*	7E-09 *	* *	* *	-
ARSENIC	4E-12 *(6E-13, 1E-11)*	2E-09 *(2E-11, 3E-09)*	3E-09 *(2E-10, 3E-09)*	4E-09 *(1E-09, 4E-09)*	-
Additive Risk	2E-09 *(2E-09, 2E-09)*	1E-08 *(2E-09, 2E-08)*	2E-08 *(3E-09, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 5E-11)*	3E-10 *(8E-11, 6E-10)*	7E-10 *(2E-10, 9E-10)*	1E-09 *(1E-09, 2E-09)*	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	1E-08 *(6E-10, 2E-08)*	3E-08 *(7E-09, 4E-08)*	1E-07 *(5E-08, 1E-07)*	-
BERYLLIUM	5E-12 *(3E-12, 9E-12)*	4E-11 *(1E-11, 7E-11)*	7E-11 *(3E-11, 1E-10)*	2E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	6E-10 *(1E-10, 3E-09)*	6E-09 *(5E-10, 1E-08)*	5E-08 *(2E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(2E-09, 3E-09)*	1E-08 *(4E-09, 1E-08)*	-
NICKEL	1E-11 *(5E-12, 5E-11)*	6E-10 *(2E-10, 1E-09)*	2E-09 *(4E-10, 4E-09)*	8E-09 *(6E-09, 9E-09)*	-
Additive Risk	4E-10 *(3E-10, 2E-09)*	2E-08 *(2E-09, 4E-08)*	4E-08 *(1E-08, 7E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(9E-09, 1E-07)*	8E-06 *	* *	* *	-
ARSENIC	8E-08 *(9E-09, 2E-07)*	3E-05 *(4E-07, 5E-05)*	5E-05 *(4E-06, 5E-05)*	7E-05 *(3E-05, 7E-05)*	-
BARIUM	3E-09 *(5E-10, 1E-08)*	2E-07 *(9E-08, 6E-07)*	7E-07 *(1E-07, 1E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	6E-09 *(3E-09, 9E-09)*	6E-08 *(2E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	4E-07 *	-
CADMIUM	7E-07 *(6E-07, 2E-06)*	8E-06 *(2E-06, 3E-05)*	* *	* *	-
CHROMIUM (III)	6E-11 *(3E-11, 3E-10)*	1E-08 *(1E-09, 2E-08)*	3E-08 *(8E-09, 6E-08)*	1E-07 *(9E-08, 2E-07)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *(9E-09, 3E-08)*	4E-08 *(2E-08, 5E-08)*	-
COBALT	3E-10 *(1E-10, 5E-10)*	5E-09 *(1E-09, 1E-08)*	1E-08 *(3E-09, 2E-08)*	5E-08 *(2E-08, 6E-08)*	-
MANGANESE	6E-09 *(8E-10, 8E-09)*	8E-08 *(9E-09, 3E-07)*	3E-07 *(2E-08, 3E-07)*	4E-07 *	-
MERCURY (DIVALENT)	2E-08 *(1E-08, 7E-08)*	2E-06 *(1E-07, 6E-06)*	6E-06 *(6E-07, 1E-05)*	3E-05 *	-
MERCURY (METHYL)[a]	min: 7E-10	median: 8E-06	max: 4E-04		
NICKEL	3E-09 *(2E-09, 7E-09)*	4E-07 *(9E-09, 6E-07)*	6E-07 *(5E-08, 7E-07)*	8E-07 *(4E-07, 8E-07)*	-
SELENIUM	3E-07 *(4E-08, 7E-07)*	5E-06 *(8E-07, 9E-06)*	* *	* *	-
SILVER	8E-10 *(4E-11, 9E-10)*	2E-08 *	* *	* *	-
THALLIUM	3E-07 *(1E-07, 6E-07)*	3E-05 *(8E-07, 6E-05)*	2E-04 *(2E-05, 8E-04)*	* *	-
Hazard Index	1E-05 *(3E-06, 1E-05)*	1E-03 *(2E-05, 2E-03)*	2E-03 *(5E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-07 *(4E-07, 1E-06)*	5E-06 *(2E-06, 1E-05)*	2E-05 *(4E-06, 3E-05)*	8E-05 *(4E-05, 9E-05)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(4E-05, 6E-05)*	3E-04 *(6E-05, 5E-04)*	5E-04 *(6E-05, 6E-04)*	6E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D123. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(7E-10, 9E-10)*	5E-09 *	* *	* *	-
ARSENIC	2E-12 *(3E-13, 7E-12)*	9E-10 *(1E-11, 1E-09)*	1E-09 *(1E-10, 2E-09)*	2E-09 *(9E-10, 2E-09)*	-
Additive Risk	9E-10 *(8E-10, 9E-10)*	6E-09 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(7E-12, 3E-11)*	2E-10 *(5E-11, 4E-10)*	5E-10 *(1E-10, 6E-10)*	9E-10 *(6E-10, 1E-09)*	-
ARSENIC	2E-11 *(9E-12, 1E-10)*	8E-09 *(4E-10, 1E-08)*	2E-08 *(5E-09, 3E-08)*	7E-08 *(4E-08, 8E-08)*	-
BERYLLIUM	3E-12 *(2E-12, 6E-12)*	3E-11 *(9E-12, 4E-11)*	5E-11 *(2E-11, 8E-11)*	1E-10 *	-
CADMIUM	2E-11 *(1E-11, 3E-11)*	4E-10 *(7E-11, 2E-09)*	4E-09 *(3E-10, 7E-09)*	3E-08 *(1E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(8E-11, 2E-10)*	9E-10 *(5E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	7E-09 *(3E-09, 8E-09)*	-
NICKEL	9E-12 *(3E-12, 3E-11)*	4E-10 *(1E-10, 9E-10)*	1E-09 *(2E-10, 2E-09)*	5E-09 *(4E-09, 6E-09)*	-
Additive Risk	3E-10 *(2E-10, 1E-09)*	1E-08 *(2E-09, 3E-08)*	3E-08 *(9E-09, 4E-08)*	8E-08 *(6E-08, 9E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(5E-09, 7E-08)*	5E-06 *	* *	* *	-
ARSENIC	4E-08 *(6E-09, 1E-07)*	2E-05 *(2E-07, 3E-05)*	3E-05 *(2E-06, 3E-05)*	4E-05 *	-
BARIUM	1E-09 *(3E-10, 7E-09)*	1E-07 *(5E-08, 3E-07)*	4E-07 *(7E-08, 6E-07)*	1E-06 *(5E-07, 2E-06)*	-
BERYLLIUM	3E-09 *(1E-09, 6E-09)*	3E-08 *(9E-09, 9E-08)*	9E-08 *(2E-08, 1E-07)*	2E-07 *	-
CADMIUM	4E-07 *(3E-07, 1E-06)*	4E-06 *(1E-06, 2E-05)*	3E-05 *(2E-06, 7E-05)*	* *	-
CHROMIUM (III)	3E-11 *(1E-11, 2E-10)*	6E-09 *(9E-10, 1E-08)*	1E-08 *(4E-09, 3E-08)*	9E-08 *	-
CHROMIUM (VI)	2E-09 *(9E-10, 3E-09)*	1E-08 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	2E-08 *	-
COBALT	1E-09 *(1E-10, 2E-09)*	1E-08 *(2E-09, 7E-08)*	7E-08 *(4E-09, 8E-08)*	8E-08 *	-
MANGANESE	3E-09 *(4E-10, 5E-09)*	4E-08 *(7E-09, 1E-07)*	1E-07 *(1E-08, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	1E-08 *(7E-09, 4E-08)*	1E-06 *(8E-08, 3E-06)*	3E-06 *(3E-07, 8E-06)*	1E-05 *	-
MERCURY (METHYL)[a]	min: 4E-10	median: 4E-06	max: 2E-04		
NICKEL	2E-09 *(9E-10, 4E-09)*	2E-07 *(6E-09, 4E-07)*	4E-07 *(2E-08, 4E-07)*	5E-07 *(2E-07, 5E-07)*	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	3E-06 *(4E-07, 6E-06)*	* *	* *	-
SILVER	5E-10 *(2E-11, 6E-10)*	1E-08 *	* *	* *	-
THALLIUM	2E-07 *(9E-08, 4E-07)*	2E-05 *(5E-07, 3E-05)*	1E-04 *(1E-05, 4E-04)*	5E-04 *(5E-04, 6E-04)*	-
Hazard Index	8E-06 *(2E-06, 8E-06)*	6E-04 *(1E-05, 1E-03)*	1E-03 *(2E-04, 1E-03)*	1E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-07 *(4E-07, 1E-06)*	5E-06 *(2E-06, 1E-05)*	2E-05 *(4E-06, 3E-05)*	8E-05 *(4E-05, 9E-05)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(1E-05, 2E-05)*	1E-04 *	* *	* *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	2E-04 *(3E-05, 3E-04)*	3E-04 *(3E-05, 3E-04)*	3E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D124. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(8E-10, 9E-10)*	7E-09 *	* *	* *	-
ARSENIC	3E-12 *	9E-10 *	* *	* *	-
Additive Risk	1E-09 *(9E-10, 1E-09)*	9E-09 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(8E-12, 3E-11)*	2E-10 *(6E-11, 5E-10)*	5E-10 *(2E-10, 7E-10)*	1E-09 *(7E-10, 1E-09)*	-
ARSENIC	2E-11 *(1E-11, 2E-10)*	9E-09 *(5E-10, 2E-08)*	2E-08 *(5E-09, 3E-08)*	8E-08 *(4E-08, 9E-08)*	-
BERYLLIUM	4E-12 *(2E-12, 7E-12)*	3E-11 *(1E-11, 5E-11)*	5E-11 *(2E-11, 9E-11)*	1E-10 *	-
CADMIUM	2E-11 *(1E-11, 4E-11)*	5E-10 *(8E-11, 2E-09)*	4E-09 *(4E-10, 8E-09)*	4E-08 *(1E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	8E-09 *(3E-09, 9E-09)*	-
NICKEL	1E-11 *(4E-12, 4E-11)*	5E-10 *(1E-10, 1E-09)*	2E-09 *(3E-10, 3E-09)*	6E-09 *(4E-09, 6E-09)*	-
Additive Risk	3E-10 *(2E-10, 1E-09)*	1E-08 *(2E-09, 3E-08)*	3E-08 *(1E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(2E-09, 8E-08)*	4E-06 *	* *	* *	-
ARSENIC	5E-08 *(5E-09, 8E-08)*	2E-05 *	* *	* *	-
BARIUM	7E-10 *(2E-10, 3E-09)*	9E-08 *(1E-08, 1E-07)*	2E-07 *(3E-08, 3E-07)*	7E-07 *(2E-07, 8E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 4E-09)*	2E-08 *(6E-09, 4E-08)*	4E-08 *(1E-08, 6E-08)*	* *	-
CADMIUM	4E-07 *(2E-07, 1E-06)*	4E-06 *(1E-06, 2E-05)*	3E-05 *(2E-06, 7E-05)*	* *	-
CHROMIUM (III)	1E-11 *(7E-12, 8E-11)*	2E-09 *(4E-10, 6E-09)*	7E-09 *(1E-09, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	2E-09 *(8E-10, 4E-09)*	9E-09 *	* *	* *	-
COBALT	8E-10 *(5E-11, 2E-09)*	8E-09 *(2E-09, 5E-08)*	5E-08 *(3E-09, 7E-08)*	8E-08 *	-
MANGANESE	3E-09 *(2E-10, 5E-09)*	2E-08 *(5E-09, 1E-07)*	1E-07 *(9E-09, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	7E-09 *(3E-09, 1E-08)*	5E-07 *(4E-08, 1E-06)*	1E-06 *(1E-07, 3E-06)*	7E-06 *	-
MERCURY (METHYL)[a]	min: 1E-10	median: 5E-06	max: 2E-04		
NICKEL	2E-09 *(8E-10, 3E-09)*	1E-07 *	* *	* *	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	4E-06 *(4E-07, 7E-06)*	* *	* *	-
SILVER	3E-10 *(9E-12, 6E-10)*	1E-08 *	* *	* *	-
THALLIUM	1E-07 *(7E-08, 4E-07)*	1E-05 *(4E-07, 3E-05)*	7E-05 *(9E-06, 3E-04)*	5E-04 *	-
Hazard Index	9E-06 *(2E-06, 9E-06)*	6E-04 *(9E-06, 1E-03)*	1E-03 *(2E-04, 1E-03)*	1E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-07 *(4E-07, 1E-06)*	5E-06 *(2E-06, 1E-05)*	2E-05 *(4E-06, 3E-05)*	8E-05 *(4E-05, 9E-05)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(2E-05, 3E-05)*	1E-04 *	* *	* *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	2E-04 *(3E-05, 4E-04)*	4E-04 *(3E-05, 4E-04)*	4E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D125. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	* *	-
ARSENIC	1E-10 *(4E-11, 3E-10)*	3E-09 *(1E-09, 4E-09)*	4E-09 *(3E-09, 4E-09)*	9E-09 *	-
Additive Risk	5E-09 *(3E-09, 1E-08)*	2E-08 *(2E-08, 3E-08)*	3E-08 *(2E-08, 3E-08)*	3E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(8E-11, 1E-10)*	7E-10 *(6E-10, 9E-10)*	1E-09 *(9E-10, 1E-09)*	2E-09 *	-
ARSENIC	1E-09 *(4E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(3E-08, 4E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(8E-12, 2E-11)*	1E-10 *(7E-11, 4E-10)*	3E-10 *(1E-10, 2E-09)*	5E-09 *(2E-10, 6E-09)*	-
CADMIUM	1E-10 *(8E-11, 2E-10)*	3E-09 *(2E-09, 4E-09)*	8E-09 *(6E-09, 1E-08)*	5E-08 *(5E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 4E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	4E-11 *(2E-11, 5E-11)*	1E-09 *(7E-10, 1E-09)*	3E-09 *(3E-09, 3E-09)*	7E-09 *(7E-09, 8E-09)*	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	6E-08 *(5E-08, 6E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *(3E-07, 3E-06)*	* *	* *	* *	-
ARSENIC	3E-06 *(9E-07, 8E-06)*	9E-05 *(4E-05, 9E-05)*	1E-04 *(7E-05, 1E-04)*	2E-04 *(2E-04, 2E-04)*	-
BARIUM	1E-07 *(6E-08, 2E-07)*	2E-06 *(2E-06, 3E-06)*	4E-06 *(3E-06, 5E-06)*	1E-05 *(9E-06, 1E-05)*	-
BERYLLIUM	5E-08 *(3E-08, 9E-08)*	1E-06 *(6E-07, 3E-06)*	3E-06 *(9E-07, 8E-06)*	3E-05 *(2E-06, 4E-05)*	-
CADMIUM	2E-06 *(1E-06, 5E-06)*	9E-05 *(5E-05, 1E-04)*	2E-04 *(2E-04, 3E-04)*	5E-04 *	-
CHROMIUM (III)	8E-09 *(5E-09, 9E-09)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(2E-07, 3E-07)*	7E-07 *(7E-07, 7E-07)*	-
CHROMIUM (VI)	1E-08 *(6E-09, 3E-08)*	6E-08 *(4E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(1E-07, 2E-07)*	-
COBALT	4E-09 *(2E-09, 6E-09)*	5E-08 *(4E-08, 6E-08)*	9E-08 *(6E-08, 9E-08)*	2E-07 *(2E-07, 2E-07)*	-
MANGANESE	3E-08 *(1E-08, 6E-08)*	6E-07 *	1E-06 *	* *	-
MERCURY (DIVALENT)	9E-07 *(6E-07, 1E-06)*	1E-05 *(7E-06, 4E-05)*	4E-05 *(9E-06, 7E-05)*	1E-04 *	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 6E-04		
NICKEL	2E-08 *(1E-08, 3E-08)*	9E-07 *(3E-07, 1E-06)*	1E-06 *(9E-07, 1E-06)*	3E-06 *(3E-06, 3E-06)*	-
SELENIUM	1E-06 *(5E-07, 3E-06)*	6E-05 *	1E-04 *	* *	-
SILVER	2E-09 *(7E-10, 8E-09)*	1E-06 *	2E-06 *	* *	-
THALLIUM	4E-06 *(9E-07, 3E-05)*	3E-04 *(1E-04, 5E-04)*	8E-04 *(7E-04, 9E-04)*	2E-03 *(2E-03, 2E-03)*	-
Hazard Index	2E-04 *(1E-04, 6E-04)*	3E-03 *(1E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(3E-05, 4E-05)*	9E-05 *(8E-05, 9E-05)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(9E-05, 4E-04)*	9E-04 *	1E-03 *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D126. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 8E-09)*	2E-08 *	2E-08 *	3E-08 *	-
ARSENIC	9E-11 *(2E-11, 2E-10)*	2E-09 *(9E-10, 3E-09)*	3E-09 *(1E-09, 3E-09)*	4E-09 *(4E-09, 4E-09)*	-
Additive Risk	4E-09 *(2E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	3E-08 *(2E-08, 3E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(1E-10, 1E-10)*	8E-10 *(7E-10, 1E-09)*	1E-09 *(1E-09, 1E-09)*	2E-09 *	-
ARSENIC	1E-09 *(5E-10, 3E-09)*	2E-08 *(2E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(9E-12, 2E-11)*	1E-10 *(8E-11, 4E-10)*	3E-10 *(1E-10, 3E-09)*	6E-09 *(2E-10, 7E-09)*	-
CADMIUM	1E-10 *(1E-10, 2E-10)*	3E-09 *(2E-09, 5E-09)*	9E-09 *(7E-09, 1E-08)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(2E-09, 3E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	4E-11 *(2E-11, 6E-11)*	1E-09 *(9E-10, 1E-09)*	3E-09 *(3E-09, 4E-09)*	9E-09 *(8E-09, 9E-09)*	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	4E-08 *(3E-08, 4E-08)*	6E-08 *(6E-08, 7E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(1E-07, 2E-06)*	* *	* *	* *	-
ARSENIC	1E-06 *(3E-07, 4E-06)*	4E-05 *(2E-05, 5E-05)*	5E-05 *(3E-05, 6E-05)*	7E-05 *(7E-05, 7E-05)*	-
BARIUM	3E-08 *(2E-08, 7E-08)*	7E-07 *(5E-07, 9E-07)*	1E-06 *(8E-07, 1E-06)*	4E-06 *(4E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(9E-09, 3E-08)*	3E-07 *(1E-07, 1E-06)*	8E-07 *(3E-07, 3E-06)*	7E-06 *	-
CADMIUM	1E-06 *(5E-07, 2E-06)*	7E-05 *(3E-05, 8E-05)*	* *	* *	-
CHROMIUM (III)	2E-09 *(1E-09, 3E-09)*	3E-08 *(2E-08, 4E-08)*	6E-08 *(5E-08, 8E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	6E-09 *(2E-09, 1E-08)*	3E-08 *	7E-08 *	* *	-
COBALT	9E-10 *(5E-10, 1E-09)*	1E-08 *(1E-08, 1E-08)*	2E-08 *(2E-08, 2E-08)*	6E-08 *(5E-08, 6E-08)*	-
MANGANESE	1E-08 *(5E-09, 2E-08)*	3E-07 *(7E-08, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	2E-07 *(1E-07, 4E-07)*	4E-06 *(1E-06, 8E-06)*	8E-06 *(2E-06, 2E-05)*	3E-05 *	-
MERCURY (METHYL)[a]	min: 7E-10	median: 2E-05	max: 4E-04		
NICKEL	8E-09 *(5E-09, 1E-08)*	6E-07 *(1E-07, 6E-07)*	7E-07 *(3E-07, 7E-07)*	8E-07 *(8E-07, 8E-07)*	-
SELENIUM	7E-07 *(4E-07, 2E-06)*	* *	* *	* *	-
SILVER	9E-10 *(2E-10, 5E-09)*	6E-07 *	1E-06 *	* *	-
THALLIUM	2E-06 *(7E-07, 1E-05)*	2E-04 *(7E-05, 3E-04)*	8E-04 *(6E-04, 8E-04)*	* *	-
Hazard Index	1E-04 *(6E-05, 4E-04)*	2E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(3E-05, 4E-05)*	9E-05 *(8E-05, 9E-05)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	9E-05 *(5E-05, 3E-04)*	7E-04 *	8E-04 *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D127. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(7E-10, 4E-09)*	9E-09 *	1E-08 *	* *	-
ARSENIC	5E-11 *(9E-12, 1E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(8E-10, 2E-09)*	2E-09 *(2E-09, 2E-09)*	-
Additive Risk	2E-09 *(1E-09, 5E-09)*	1E-08 *(8E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(6E-11, 9E-11)*	5E-10 *(4E-10, 6E-10)*	7E-10 *(7E-10, 8E-10)*	1E-09 *	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(7E-08, 8E-08)*	-
BERYLLIUM	8E-12 *(6E-12, 1E-11)*	9E-11 *(5E-11, 3E-10)*	2E-10 *(8E-11, 2E-09)*	4E-09 *(1E-10, 5E-09)*	-
CADMIUM	8E-11 *(6E-11, 1E-10)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(4E-09, 8E-09)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	8E-09 *(7E-09, 8E-09)*	-
NICKEL	3E-11 *(1E-11, 4E-11)*	8E-10 *(5E-10, 9E-10)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(5E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	3E-08 *(2E-08, 3E-08)*	4E-08 *(4E-08, 5E-08)*	9E-08 *(9E-08, 9E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(7E-08, 1E-06)*	* *	* *	* *	-
ARSENIC	9E-07 *(2E-07, 2E-06)*	2E-05 *(9E-06, 3E-05)*	3E-05 *(1E-05, 3E-05)*	4E-05 *(4E-05, 4E-05)*	-
BARIUM	2E-08 *(9E-09, 4E-08)*	3E-07 *(2E-07, 4E-07)*	6E-07 *(4E-07, 7E-07)*	2E-06 *(2E-06, 2E-06)*	-
BERYLLIUM	9E-09 *(6E-09, 1E-08)*	1E-07 *(9E-08, 5E-07)*	5E-07 *(1E-07, 2E-06)*	6E-06 *(2E-07, 8E-06)*	-
CADMIUM	7E-07 *(2E-07, 1E-06)*	4E-05 *(2E-05, 4E-05)*	7E-05 *(6E-05, 7E-05)*	* *	-
CHROMIUM (III)	9E-10 *(7E-10, 1E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	* *	-
CHROMIUM (VI)	3E-09 *(1E-09, 8E-09)*	2E-08 *	4E-08 *	* *	-
COBALT	3E-09 *(8E-10, 5E-09)*	7E-08 *	1E-07 *	* *	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	1E-07 *(9E-08, 2E-07)*	2E-06 *(9E-07, 5E-06)*	5E-06 *(1E-06, 9E-06)*	2E-05 *	-
MERCURY (METHYL)[a]	min: 4E-10	median: 8E-06	max: 2E-04		
NICKEL	5E-09 *(3E-09, 6E-09)*	3E-07 *(8E-08, 4E-07)*	4E-07 *(1E-07, 4E-07)*	5E-07 *(4E-07, 5E-07)*	-
SELENIUM	4E-07 *(1E-07, 1E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	5E-10 *(1E-10, 3E-09)*	3E-07 *	6E-07 *	* *	-
THALLIUM	9E-07 *(4E-07, 8E-06)*	1E-04 *(4E-05, 2E-04)*	4E-04 *(4E-04, 4E-04)*	6E-04 *(6E-04, 6E-04)*	-
Hazard Index	6E-05 *(4E-05, 2E-04)*	1E-03 *(4E-04, 1E-03)*	1E-03 *(7E-04, 1E-03)*	1E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(3E-05, 4E-05)*	9E-05 *(8E-05, 9E-05)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	4E-05 *(2E-05, 9E-05)*	3E-04 *	4E-04 *	* *	-
TCDD-TEQ	6E-05 *(3E-05, 2E-04)*	4E-04 *(3E-04, 5E-04)*	4E-04 *(3E-04, 6E-04)*	6E-04 *(4E-04, 6E-04)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D128. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(9E-10, 6E-09)*	2E-08 *	2E-08 *	* *	-
ARSENIC	5E-11 *(1E-11, 2E-10)*	* *	* *	* *	-
Additive Risk	3E-09 *(1E-09, 7E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	3E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	8E-11 *(7E-11, 1E-10)*	6E-10 *(5E-10, 7E-10)*	8E-10 *(8E-10, 1E-09)*	1E-09 *	-
ARSENIC	9E-10 *(4E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 3E-08)*	9E-08 *(9E-08, 9E-08)*	-
BERYLLIUM	9E-12 *(7E-12, 1E-11)*	1E-10 *(6E-11, 3E-10)*	2E-10 *(1E-10, 2E-09)*	5E-09 *(2E-10, 5E-09)*	-
CADMIUM	1E-10 *(7E-11, 1E-10)*	2E-09 *(2E-09, 3E-09)*	7E-09 *(5E-09, 9E-09)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	9E-09 *(9E-09, 9E-09)*	-
NICKEL	3E-11 *(2E-11, 4E-11)*	9E-10 *(6E-10, 1E-09)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	3E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(8E-08, 1E-06)*	* *	* *	* *	-
ARSENIC	6E-07 *(1E-07, 2E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(6E-09, 2E-08)*	1E-07 *(1E-07, 2E-07)*	2E-07 *(2E-07, 3E-07)*	8E-07 *(8E-07, 8E-07)*	-
BERYLLIUM	7E-09 *(4E-09, 1E-08)*	7E-08 *(4E-08, 2E-07)*	2E-07 *(6E-08, 1E-06)*	* *	-
CADMIUM	8E-07 *(1E-07, 1E-06)*	3E-05 *(2E-05, 4E-05)*	8E-05 *(7E-05, 8E-05)*	* *	-
CHROMIUM (III)	4E-10 *(3E-10, 6E-10)*	7E-09 *(6E-09, 9E-09)*	1E-08 *(9E-09, 1E-08)*	4E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 7E-09)*	2E-08 *	2E-08 *	* *	-
COBALT	1E-09 *(5E-10, 4E-09)*	6E-08 *	1E-07 *	* *	-
MANGANESE	7E-09 *(1E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	5E-08 *(3E-08, 9E-08)*	9E-07 *(4E-07, 2E-06)*	2E-06 *(5E-07, 5E-06)*	8E-06 *	-
MERCURY (METHYL)[a]	min: 1E-10	median: 8E-06	max: 2E-04		
NICKEL	4E-09 *(3E-09, 7E-09)*	* *	* *	* *	-
SELENIUM	4E-07 *(2E-07, 2E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	4E-10 *(1E-10, 4E-09)*	4E-07 *	7E-07 *	* *	-
THALLIUM	8E-07 *(3E-07, 7E-06)*	1E-04 *(4E-05, 2E-04)*	3E-04 *(3E-04, 4E-04)*	* *	-
Hazard Index	6E-05 *(3E-05, 2E-04)*	1E-03 *(6E-04, 1E-03)*	1E-03 *(7E-04, 1E-03)*	1E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(3E-05, 4E-05)*	9E-05 *(8E-05, 9E-05)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(2E-05, 1E-04)*	4E-04 *(2E-04, 5E-04)*	5E-04 *(3E-04, 6E-04)*	6E-04 *	-
TCDD-TEQ	7E-05 *(3E-05, 2E-04)*	5E-04 *(4E-04, 5E-04)*	5E-04 *(4E-04, 6E-04)*	7E-04 *(5E-04, 7E-04)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D129. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 8E-09)*	7E-08 *	* *	* *	-
ARSENIC	9E-11 *(5E-11, 2E-10)*	1E-08 *	* *	* *	-
Additive Risk	5E-09 *(2E-09, 1E-08)*	8E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 1E-10)*	5E-10 *(4E-10, 7E-10)*	9E-10 *(6E-10, 1E-09)*	2E-09 *	-
ARSENIC	6E-10 *(3E-10, 2E-09)*	2E-08 *(8E-09, 2E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *	-
BERYLLIUM	1E-11 *(6E-12, 4E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(4E-10, 1E-09)*	2E-09 *	-
CADMIUM	5E-10 *(3E-10, 8E-10)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(6E-09, 3E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
NICKEL	1E-10 *(6E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *	-
Additive Risk	7E-09 *(5E-09, 9E-09)*	4E-08 *(4E-08, 5E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-07 *(1E-07, 2E-06)*	2E-03 *	* *	* *	-
ARSENIC	2E-06 *(1E-06, 4E-06)*	4E-04 *	* *	* *	-
BARIUM	5E-08 *(3E-08, 8E-08)*	8E-07 *(4E-07, 3E-06)*	4E-06 *(8E-07, 7E-06)*	1E-05 *(8E-06, 1E-05)*	-
BERYLLIUM	9E-08 *(3E-08, 2E-07)*	5E-06 *(1E-06, 2E-05)*	2E-05 *(3E-06, 3E-05)*	4E-05 *(1E-05, 4E-05)*	-
CADMIUM	1E-05 *(4E-06, 2E-05)*	5E-04 *(2E-04, 6E-04)*	6E-04 *(3E-04, 6E-04)*	6E-04 *	-
CHROMIUM (III)	1E-08 *(8E-09, 1E-08)*	1E-07 *(8E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	4E-07 *	-
CHROMIUM (VI)	8E-08 *(4E-08, 3E-07)*	1E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
MANGANESE	2E-08 *(9E-09, 8E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	7E-07 *(4E-07, 1E-06)*	3E-05 *(5E-06, 9E-05)*	1E-04 *(1E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
MERCURY (METHYL)[a]	min: 2E-09	median: 1E-06	max: 1E-03		
NICKEL	8E-08 *(2E-08, 2E-07)*	3E-06 *(8E-07, 7E-06)*	5E-06 *(2E-06, 1E-05)*	2E-05 *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	1E-04 *	* *	* *	-
SILVER	9E-10 *(1E-10, 2E-09)*	5E-07 *	* *	* *	-
THALLIUM	7E-07 *(5E-07, 1E-06)*	1E-05 *	* *	* *	-
Hazard Index	1E-04 *(3E-05, 5E-04)*	5E-03 *(9E-04, 1E-02)*	1E-02 *(4E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 3E-05)*	4E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(8E-05, 4E-04)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D130. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(9E-10, 6E-09)*	6E-08 *	* *	* *	-
ARSENIC	6E-11 *(3E-11, 9E-11)*	6E-09 *	* *	* *	-
Additive Risk	4E-09 *(1E-09, 1E-08)*	7E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	9E-11 *(6E-11, 1E-10)*	6E-10 *(5E-10, 8E-10)*	1E-09 *(7E-10, 1E-09)*	2E-09 *	-
ARSENIC	7E-10 *(4E-10, 2E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
BERYLLIUM	2E-11 *(6E-12, 4E-11)*	7E-10 *(2E-10, 1E-09)*	1E-09 *(5E-10, 2E-09)*	2E-09 *	-
CADMIUM	6E-10 *(4E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	2E-08 *(7E-09, 3E-08)*	4E-08 *	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	8E-08 *	-
NICKEL	1E-10 *(7E-11, 2E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *	-
Additive Risk	8E-09 *(6E-09, 1E-08)*	5E-08 *(4E-08, 6E-08)*	8E-08 *(5E-08, 9E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(5E-08, 9E-07)*	7E-04 *	* *	* *	-
ARSENIC	1E-06 *(6E-07, 2E-06)*	2E-04 *	* *	* *	-
BARIUM	2E-08 *(1E-08, 2E-08)*	2E-07 *(9E-08, 7E-07)*	9E-07 *(2E-07, 1E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	3E-08 *(9E-09, 9E-08)*	1E-06 *	* *	* *	-
CADMIUM	6E-06 *(2E-06, 9E-06)*	* *	* *	* *	-
CHROMIUM (III)	3E-09 *(2E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(3E-08, 9E-08)*	1E-07 *	-
CHROMIUM (VI)	2E-08 *(1E-08, 9E-08)*	* *	* *	* *	-
COBALT	4E-10 *(3E-10, 6E-10)*	5E-09 *(4E-09, 7E-09)*	8E-09 *(7E-09, 9E-09)*	1E-08 *	-
MANGANESE	5E-09 *(3E-09, 2E-08)*	2E-07 *(7E-08, 2E-07)*	2E-07 *	* *	-
MERCURY (DIVALENT)	1E-07 *(9E-08, 3E-07)*	9E-06 *(1E-06, 2E-05)*	3E-05 *(4E-06, 5E-05)*	6E-05 *(5E-05, 8E-05)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 1E-06	max: 9E-04		
NICKEL	3E-08 *(7E-09, 9E-08)*	1E-06 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	7E-05 *	* *	* *	-
SILVER	2E-10 *(6E-11, 9E-10)*	3E-07 *	* *	* *	-
THALLIUM	4E-07 *(3E-07, 7E-07)*	9E-06 *	* *	* *	-
Hazard Index	6E-05 *(1E-05, 3E-04)*	3E-03 *(6E-04, 9E-03)*	9E-03 *(1E-03, 9E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 3E-05)*	4E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	9E-05 *(4E-05, 2E-04)*	2E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D131. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(6E-10, 3E-09)*	3E-08 *	* *	* *	-
ARSENIC	3E-11 *(1E-11, 7E-11)*	7E-09 *	* *	* *	-
Additive Risk	2E-09 *(7E-10, 8E-09)*	4E-08 *(2E-08, 8E-08)*	6E-08 *(3E-08, 1E-07)*	2E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(4E-11, 9E-11)*	4E-10 *(3E-10, 5E-10)*	6E-10 *(4E-10, 8E-10)*	1E-09 *	-
ARSENIC	5E-10 *(2E-10, 1E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	1E-11 *(4E-12, 3E-11)*	5E-10 *(1E-10, 8E-10)*	9E-10 *(3E-10, 1E-09)*	1E-09 *	-
CADMIUM	4E-10 *(2E-10, 6E-10)*	5E-09 *(2E-09, 9E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *	-
CHROMIUM (VI)	2E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(2E-08, 3E-08)*	5E-08 *	-
NICKEL	7E-11 *(5E-11, 1E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *(8E-10, 2E-09)*	3E-09 *	-
Additive Risk	5E-09 *(4E-09, 7E-09)*	3E-08 *(3E-08, 4E-08)*	5E-08 *(3E-08, 6E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(3E-08, 5E-07)*	7E-04 *	* *	* *	-
ARSENIC	6E-07 *(3E-07, 1E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(9E-09, 1E-08)*	1E-07 *(6E-08, 4E-07)*	5E-07 *(1E-07, 9E-07)*	2E-06 *(9E-07, 2E-06)*	-
BERYLLIUM	1E-08 *(5E-09, 5E-08)*	7E-07 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
CHROMIUM (VI)	1E-08 *(9E-09, 5E-08)*	* *	* *	* *	-
COBALT	9E-10 *(6E-10, 3E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *(2E-09, 9E-09)*	* *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(6E-08, 1E-07)*	5E-06 *(7E-07, 1E-05)*	1E-05 *(2E-06, 2E-05)*	3E-05 *(2E-05, 4E-05)*	-
MERCURY (METHYL)[a]	min: 3E-10	median: 5E-07	max: 5E-04		
NICKEL	2E-08 *(4E-09, 6E-08)*	1E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 1E-06)*	4E-05 *	* *	* *	-
SILVER	1E-10 *(3E-11, 6E-10)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	7E-06 *	* *	* *	-
Hazard Index	3E-05 *(8E-06, 1E-04)*	2E-03 *(3E-04, 5E-03)*	5E-03 *(1E-03, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 3E-05)*	4E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	4E-05 *(1E-05, 9E-05)*	9E-04 *(6E-04, 3E-03)*	2E-03 *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 2E-04)*	1E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 7E-03)*	7E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D132. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(8E-10, 5E-09)*	6E-08 *	* *	* *	-
ARSENIC	4E-11 *(2E-11, 9E-11)*	* *	* *	* *	-
Additive Risk	3E-09 *(8E-10, 1E-08)*	6E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	6E-11 *(4E-11, 1E-10)*	5E-10 *(3E-10, 6E-10)*	7E-10 *(5E-10, 9E-10)*	1E-09 *	-
ARSENIC	5E-10 *(3E-10, 1E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	1E-11 *(5E-12, 3E-11)*	5E-10 *(2E-10, 9E-10)*	1E-09 *(4E-10, 1E-09)*	2E-09 *	-
CADMIUM	4E-10 *(3E-10, 7E-10)*	6E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	6E-08 *	-
NICKEL	8E-11 *(5E-11, 1E-10)*	8E-10 *(5E-10, 1E-09)*	1E-09 *(9E-10, 2E-09)*	4E-09 *	-
Additive Risk	6E-09 *(4E-09, 8E-09)*	4E-08 *(3E-08, 4E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(2E-08, 6E-07)*	7E-04 *	* *	* *	-
ARSENIC	5E-07 *(2E-07, 1E-06)*	1E-04 *	* *	* *	-
BARIUM	9E-09 *(5E-09, 1E-08)*	5E-08 *(2E-08, 1E-07)*	2E-07 *(4E-08, 4E-07)*	6E-07 *(4E-07, 8E-07)*	-
BERYLLIUM	8E-09 *(2E-09, 3E-08)*	4E-07 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	6E-10 *(5E-10, 9E-10)*	7E-09 *(4E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	2E-08 *	-
CHROMIUM (VI)	1E-08 *(6E-09, 3E-08)*	3E-06 *	* *	* *	-
COBALT	8E-10 *(2E-10, 1E-09)*	6E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 5E-09)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	4E-08 *(3E-08, 7E-08)*	2E-06 *(3E-07, 4E-06)*	6E-06 *(9E-07, 9E-06)*	1E-05 *(9E-06, 2E-05)*	-
MERCURY (METHYL)[a]	min: 1E-10	median: 5E-07	max: 5E-04		
NICKEL	8E-09 *(2E-09, 6E-08)*	1E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 1E-06)*	5E-05 *	* *	* *	-
SILVER	9E-11 *(2E-11, 6E-10)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 3E-07)*	6E-06 *	* *	* *	-
Hazard Index	3E-05 *(8E-06, 1E-04)*	2E-03 *(4E-04, 6E-03)*	6E-03 *(1E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-06 *(2E-06, 3E-06)*	2E-05 *(1E-05, 2E-05)*	2E-05 *(2E-05, 3E-05)*	4E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	4E-05 *(2E-05, 1E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 2E-04)*	2E-03 *(8E-04, 8E-03)*	8E-03 *(1E-03, 8E-03)*	8E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D133. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(2E-10, 1E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *(2E-09, 5E-09)*	* *	-
ARSENIC	9E-12 *(5E-12, 4E-11)*	4E-10 *(1E-10, 6E-10)*	6E-10 *(2E-10, 7E-10)*	8E-10 *	-
Additive Risk	1E-09 *(5E-10, 2E-09)*	4E-09 *(2E-09, 4E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(5E-09, 1E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(7E-12, 3E-11)*	3E-10 *(2E-10, 4E-10)*	5E-10 *(3E-10, 7E-10)*	1E-09 *	-
ARSENIC	4E-11 *(2E-11, 1E-10)*	2E-09 *(1E-09, 5E-09)*	5E-09 *(2E-09, 8E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 4E-12)*	3E-11 *(2E-11, 6E-11)*	8E-11 *(4E-11, 2E-10)*	3E-10 *(2E-10, 4E-10)*	-
CADMIUM	4E-11 *(3E-11, 6E-11)*	4E-10 *(2E-10, 7E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(2E-10, 5E-10)*	4E-09 *(2E-09, 7E-09)*	9E-09 *(4E-09, 1E-08)*	2E-08 *	-
NICKEL	6E-12 *(3E-12, 1E-11)*	1E-10 *(6E-11, 2E-10)*	3E-10 *(1E-10, 5E-10)*	1E-09 *	-
Additive Risk	7E-10 *(4E-10, 1E-09)*	8E-09 *(5E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(4E-09, 5E-08)*	2E-06 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 9E-07)*	9E-06 *(3E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	2E-05 *	-
BARIUM	8E-09 *(3E-09, 2E-08)*	2E-07 *(1E-07, 3E-07)*	4E-07 *(2E-07, 5E-07)*	1E-06 *(6E-07, 2E-06)*	-
BERYLLIUM	1E-08 *(7E-09, 2E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	9E-07 *(4E-07, 1E-06)*	-
CADMIUM	9E-07 *(7E-07, 3E-06)*	9E-06 *(4E-06, 2E-05)*	2E-05 *(5E-06, 3E-05)*	6E-05 *	-
CHROMIUM (III)	9E-10 *(4E-10, 1E-09)*	2E-08 *(1E-08, 5E-08)*	8E-08 *(4E-08, 9E-08)*	2E-07 *(1E-07, 2E-07)*	-
CHROMIUM (VI)	9E-09 *(7E-09, 3E-08)*	1E-06 *	* *	* *	-
COBALT	3E-10 *(2E-10, 5E-10)*	5E-09 *(4E-09, 8E-09)*	1E-08 *(8E-09, 1E-08)*	3E-08 *(2E-08, 3E-08)*	-
MANGANESE	8E-09 *(3E-09, 1E-08)*	1E-07 *(3E-08, 5E-07)*	4E-07 *(8E-08, 7E-07)*	* *	-
MERCURY (DIVALENT)	1E-07 *(8E-08, 3E-07)*	2E-05 *(3E-06, 3E-05)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(6E-05, 2E-04)*	-
MERCURY (METHYL)[a]	min: 6E-10	median: 5E-06	max: 2E-03		
NICKEL	4E-09 *(3E-09, 5E-09)*	3E-07 *	* *	* *	-
SELENIUM	3E-07 *(9E-08, 7E-07)*	6E-06 *	* *	* *	-
SILVER	2E-09 *(8E-10, 2E-08)*	1E-07 *	* *	* *	-
THALLIUM	3E-07 *(1E-07, 9E-07)*	9E-06 *(6E-06, 2E-05)*	2E-05 *(8E-06, 3E-05)*	4E-05 *(2E-05, 5E-05)*	-
Hazard Index	4E-05 *(2E-05, 5E-05)*	7E-04 *(1E-04, 2E-03)*	2E-03 *(6E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-07 *(8E-08, 3E-07)*	3E-06 *(2E-06, 7E-06)*	9E-06 *(3E-06, 2E-05)*	4E-05 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	4E-05 *(1E-05, 6E-05)*	1E-04 *(8E-05, 2E-04)*	2E-04 *(1E-04, 2E-04)*	4E-04 *(2E-04, 5E-04)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D134. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-10 *(1E-10, 1E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *(2E-09, 4E-09)*	* *	-
ARSENIC	7E-12 *(4E-12, 3E-11)*	3E-10 *	* *	* *	-
Additive Risk	1E-09 *(3E-10, 2E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *(2E-09, 5E-09)*	1E-08 *(3E-09, 1E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(8E-12, 3E-11)*	3E-10 *(2E-10, 4E-10)*	6E-10 *(4E-10, 8E-10)*	1E-09 *	-
ARSENIC	5E-11 *(2E-11, 2E-10)*	3E-09 *(1E-09, 6E-09)*	6E-09 *(3E-09, 9E-09)*	1E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 4E-12)*	4E-11 *(2E-11, 7E-11)*	9E-11 *(4E-11, 2E-10)*	3E-10 *(2E-10, 5E-10)*	-
CADMIUM	5E-11 *(3E-11, 7E-11)*	4E-10 *(3E-10, 8E-10)*	9E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	4E-09 *(3E-09, 8E-09)*	1E-08 *(4E-09, 2E-08)*	3E-08 *	-
NICKEL	7E-12 *(3E-12, 1E-11)*	2E-10 *(7E-11, 3E-10)*	3E-10 *(2E-10, 6E-10)*	1E-09 *	-
Additive Risk	8E-10 *(5E-10, 1E-09)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(1E-09, 1E-08)*	1E-06 *	* *	* *	-
ARSENIC	1E-07 *(8E-08, 6E-07)*	5E-06 *	* *	* *	-
BARIUM	2E-09 *(9E-10, 5E-09)*	8E-08 *(5E-08, 1E-07)*	1E-07 *(8E-08, 2E-07)*	4E-07 *(2E-07, 5E-07)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	5E-08 *(2E-08, 6E-08)*	8E-08 *(4E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	-
CADMIUM	7E-07 *(4E-07, 1E-06)*	4E-06 *(2E-06, 9E-06)*	8E-06 *(3E-06, 2E-05)*	4E-05 *	-
CHROMIUM (III)	2E-10 *(9E-11, 4E-10)*	8E-09 *(3E-09, 1E-08)*	2E-08 *(9E-09, 2E-08)*	4E-08 *(3E-08, 6E-08)*	-
CHROMIUM (VI)	4E-09 *(3E-09, 1E-08)*	3E-07 *	* *	* *	-
COBALT	9E-11 *(6E-11, 1E-10)*	1E-09 *(9E-10, 2E-09)*	3E-09 *(2E-09, 4E-09)*	7E-09 *(5E-09, 8E-09)*	-
MANGANESE	3E-09 *(9E-10, 6E-09)*	5E-08 *	* *	* *	-
MERCURY (DIVALENT)	4E-08 *(2E-08, 9E-08)*	5E-06 *(9E-07, 9E-06)*	1E-05 *(4E-06, 2E-05)*	4E-05 *(1E-05, 5E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 4E-06	max: 1E-03		
NICKEL	2E-09 *(1E-09, 3E-09)*	1E-07 *	* *	* *	-
SELENIUM	2E-07 *(6E-08, 5E-07)*	4E-06 *	* *	* *	-
SILVER	9E-10 *(2E-10, 9E-09)*	8E-08 *(3E-08, 4E-07)*	4E-07 *	* *	-
THALLIUM	2E-07 *(8E-08, 7E-07)*	6E-06 *(3E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	3E-05 *	-
Hazard Index	2E-05 *(1E-05, 4E-05)*	5E-04 *(7E-05, 1E-03)*	1E-03 *(5E-04, 1E-03)*	1E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-07 *(8E-08, 3E-07)*	3E-06 *(2E-06, 7E-06)*	9E-06 *(3E-06, 2E-05)*	4E-05 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-05 *(7E-06, 4E-05)*	9E-05 *(5E-05, 1E-04)*	1E-04 *(7E-05, 1E-04)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D135. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-10 *(9E-11, 7E-10)*	1E-09 *(8E-10, 2E-09)*	2E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 5E-09)*	-
ARSENIC	4E-12 *(2E-12, 2E-11)*	2E-10 *	* *	* *	-
Additive Risk	5E-10 *(2E-10, 8E-10)*	2E-09 *(9E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(2E-09, 6E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(5E-12, 2E-11)*	2E-10 *(1E-10, 3E-10)*	4E-10 *(2E-10, 5E-10)*	9E-10 *	-
ARSENIC	3E-11 *(1E-11, 1E-10)*	2E-09 *(9E-10, 4E-09)*	4E-09 *(2E-09, 6E-09)*	7E-09 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	3E-11 *(1E-11, 5E-11)*	6E-11 *(3E-11, 1E-10)*	2E-10 *(1E-10, 3E-10)*	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(2E-10, 5E-10)*	6E-10 *(3E-10, 8E-10)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	3E-09 *(2E-09, 5E-09)*	7E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	4E-12 *(2E-12, 8E-12)*	1E-10 *(4E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	8E-10 *	-
Additive Risk	5E-10 *(3E-10, 8E-10)*	6E-09 *(4E-09, 8E-09)*	1E-08 *(6E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-09 *(9E-10, 9E-09)*	7E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 3E-07)*	4E-06 *	* *	* *	-
BARIUM	9E-10 *(5E-10, 3E-09)*	5E-08 *(3E-08, 6E-08)*	7E-08 *(5E-08, 9E-08)*	2E-07 *(8E-08, 3E-07)*	-
BERYLLIUM	2E-09 *(1E-09, 4E-09)*	2E-08 *(1E-08, 4E-08)*	4E-08 *(2E-08, 6E-08)*	1E-07 *(6E-08, 1E-07)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *(1E-06, 7E-06)*	7E-06 *	* *	-
CHROMIUM (III)	1E-10 *(5E-11, 2E-10)*	4E-09 *(2E-09, 7E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	-
CHROMIUM (VI)	2E-09 *(2E-09, 6E-09)*	3E-07 *	* *	* *	-
COBALT	4E-10 *(2E-10, 1E-09)*	1E-08 *	* *	* *	-
MANGANESE	1E-09 *(7E-10, 4E-09)*	3E-08 *	* *	* *	-
MERCURY (DIVALENT)	2E-08 *(9E-09, 5E-08)*	2E-06 *(5E-07, 5E-06)*	6E-06 *(2E-06, 1E-05)*	2E-05 *(9E-06, 2E-05)*	-
MERCURY (METHYL)[a]	min: 8E-11	median: 2E-06	max: 7E-04		
NICKEL	1E-09 *(9E-10, 2E-09)*	6E-08 *	* *	* *	-
SELENIUM	8E-08 *(3E-08, 3E-07)*	2E-06 *	* *	* *	-
SILVER	6E-10 *(1E-10, 5E-09)*	6E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 4E-07)*	3E-06 *(1E-06, 7E-06)*	7E-06 *(3E-06, 9E-06)*	1E-05 *	-
Hazard Index	1E-05 *(8E-06, 2E-05)*	3E-04 *(5E-05, 7E-04)*	7E-04 *(3E-04, 7E-04)*	7E-04 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-07 *(8E-08, 3E-07)*	3E-06 *(2E-06, 7E-06)*	9E-06 *(3E-06, 2E-05)*	4E-05 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	9E-06 *(2E-06, 1E-05)*	4E-05 *(2E-05, 6E-05)*	6E-05 *(3E-05, 6E-05)*	* *	-
TCDD-TEQ	1E-05 *(4E-06, 3E-05)*	6E-05 *(3E-05, 7E-05)*	7E-05 *(4E-05, 9E-05)*	2E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D136. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(1E-10, 9E-10)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(1E-09, 3E-09)*	* *	-
ARSENIC	6E-12 *(3E-12, 2E-11)*	2E-10 *	* *	* *	-
Additive Risk	8E-10 *(3E-10, 1E-09)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	7E-09 *(3E-09, 1E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(6E-12, 2E-11)*	2E-10 *(1E-10, 3E-10)*	4E-10 *(3E-10, 6E-10)*	1E-09 *	-
ARSENIC	4E-11 *(2E-11, 1E-10)*	2E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 6E-09)*	8E-09 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	3E-11 *(2E-11, 5E-11)*	7E-11 *(3E-11, 1E-10)*	2E-10 *(2E-10, 3E-10)*	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	3E-09 *(2E-09, 6E-09)*	8E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(3E-12, 9E-12)*	1E-10 *(5E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	9E-10 *	-
Additive Risk	6E-10 *(3E-10, 9E-10)*	6E-09 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-09 *(8E-10, 9E-09)*	9E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 3E-07)*	3E-06 *	* *	* *	-
BARIUM	5E-10 *(2E-10, 1E-09)*	4E-08 *(1E-08, 6E-08)*	6E-08 *(3E-08, 9E-08)*	1E-07 *(6E-08, 1E-07)*	-
BERYLLIUM	1E-09 *(9E-10, 3E-09)*	1E-08 *(9E-09, 3E-08)*	4E-08 *(1E-08, 5E-08)*	7E-08 *(4E-08, 9E-08)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *(1E-06, 8E-06)*	8E-06 *	* *	-
CHROMIUM (III)	6E-11 *(2E-11, 9E-11)*	1E-09 *(8E-10, 2E-09)*	4E-09 *(2E-09, 5E-09)*	9E-09 *	-
CHROMIUM (VI)	3E-09 *(1E-09, 4E-09)*	2E-07 *	* *	* *	-
COBALT	3E-10 *(1E-10, 1E-09)*	1E-08 *	* *	* *	-
MANGANESE	9E-10 *(4E-10, 4E-09)*	4E-08 *	* *	* *	-
MERCURY (DIVALENT)	9E-09 *(5E-09, 2E-08)*	1E-06 *(2E-07, 2E-06)*	2E-06 *(9E-07, 6E-06)*	9E-06 *(4E-06, 9E-06)*	-
MERCURY (METHYL)[a]	min: 3E-11	median: 2E-06	max: 8E-04		
NICKEL	1E-09 *(9E-10, 2E-09)*	6E-08 *	* *	* *	-
SELENIUM	9E-08 *(4E-08, 3E-07)*	3E-06 *	* *	* *	-
SILVER	7E-10 *(1E-10, 5E-09)*	6E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 4E-07)*	3E-06 *(2E-06, 8E-06)*	8E-06 *	* *	-
Hazard Index	2E-05 *(8E-06, 2E-05)*	3E-04 *(5E-05, 8E-04)*	8E-04 *(3E-04, 8E-04)*	8E-04 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	2E-07 *(8E-08, 3E-07)*	3E-06 *(2E-06, 7E-06)*	9E-06 *(3E-06, 2E-05)*	4E-05 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	9E-06 *(3E-06, 2E-05)*	5E-05 *(3E-05, 8E-05)*	8E-05 *(3E-05, 9E-05)*	* *	-
TCDD-TEQ	1E-05 *(3E-06, 3E-05)*	6E-05 *(3E-05, 8E-05)*	8E-05 *(4E-05, 1E-04)*	2E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D137. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 4E-09)*	9E-09 *(6E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	2E-08 *	-
ARSENIC	2E-11 *(9E-12, 4E-11)*	2E-10 *(9E-11, 3E-10)*	3E-10 *(1E-10, 9E-10)*	2E-09 *	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	1E-08 *(7E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(1E-10, 2E-10)*	7E-10 *(6E-10, 9E-10)*	1E-09 *(8E-10, 2E-09)*	2E-09 *	-
ARSENIC	1E-10 *(6E-11, 3E-10)*	3E-09 *(1E-09, 9E-09)*	9E-09 *(3E-09, 2E-08)*	3E-08 *	-
BERYLLIUM	7E-12 *(4E-12, 1E-11)*	1E-10 *(5E-11, 2E-10)*	2E-10 *(1E-10, 3E-10)*	4E-10 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(5E-10, 6E-09)*	5E-09 *(7E-10, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	1E-09 *(9E-10, 2E-09)*	9E-09 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	6E-08 *	-
NICKEL	4E-11 *(2E-11, 7E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	2E-09 *	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(2E-08, 5E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(5E-08, 1E-06)*	1E-05 *(3E-06, 2E-05)*	2E-05 *(4E-06, 2E-05)*	4E-05 *	-
ARSENIC	4E-07 *(2E-07, 9E-07)*	5E-06 *(3E-06, 8E-06)*	9E-06 *(5E-06, 2E-05)*	5E-05 *	-
BARIUM	5E-08 *(3E-08, 9E-08)*	9E-07 *(4E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	6E-06 *(4E-06, 6E-06)*	-
BERYLLIUM	3E-08 *(1E-08, 4E-08)*	2E-07 *(1E-07, 5E-07)*	7E-07 *(3E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	-
CADMIUM	1E-06 *(4E-07, 3E-06)*	8E-05 *(1E-05, 3E-04)*	3E-04 *(2E-05, 4E-04)*	4E-04 *	-
CHROMIUM (III)	5E-09 *(3E-09, 6E-09)*	8E-08 *(5E-08, 9E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *	-
CHROMIUM (VI)	4E-08 *(2E-08, 9E-08)*	2E-06 *	* *	* *	-
COBALT	1E-09 *(9E-10, 1E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	6E-08 *	-
MANGANESE	2E-08 *(1E-08, 4E-08)*	2E-07 *(9E-08, 3E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
MERCURY (DIVALENT)	2E-07 *(1E-07, 5E-07)*	3E-05 *(2E-06, 8E-05)*	8E-05 *(7E-06, 1E-04)*	2E-04 *(8E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 9E-06	max: 2E-03		
NICKEL	1E-08 *(6E-09, 2E-08)*	6E-07 *	* *	* *	-
SELENIUM	1E-07 *(6E-08, 1E-06)*	4E-05 *	* *	* *	-
SILVER	4E-10 *(1E-10, 5E-09)*	3E-07 *	* *	* *	-
THALLIUM	9E-07 *(6E-07, 2E-06)*	2E-05 *(1E-05, 6E-05)*	6E-05 *(2E-05, 8E-05)*	1E-04 *	-
Hazard Index	4E-05 *(2E-05, 1E-04)*	2E-03 *(1E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	6E-07 *(3E-07, 9E-07)*	7E-06 *(3E-06, 1E-05)*	2E-05 *(6E-06, 3E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(7E-05, 1E-04)*	5E-04 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D138. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(9E-10, 3E-09)*	9E-09 *	* *	* *	-
ARSENIC	9E-12 *(5E-12, 2E-11)*	1E-10 *(7E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	* *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	1E-08 *(6E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(1E-10, 2E-10)*	9E-10 *(7E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *	-
ARSENIC	2E-10 *(7E-11, 4E-10)*	4E-09 *(2E-09, 1E-08)*	1E-08 *(3E-09, 2E-08)*	4E-08 *	-
BERYLLIUM	8E-12 *(4E-12, 1E-11)*	1E-10 *(6E-11, 2E-10)*	2E-10 *(1E-10, 3E-10)*	5E-10 *	-
CADMIUM	1E-10 *(8E-11, 2E-10)*	2E-09 *(5E-10, 7E-09)*	6E-09 *(8E-10, 2E-08)*	4E-08 *	-
CHROMIUM (VI)	1E-09 *(1E-09, 2E-09)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	7E-08 *	-
NICKEL	4E-11 *(2E-11, 8E-11)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	3E-09 *	-
Additive Risk	4E-09 *(3E-09, 4E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 6E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(1E-08, 7E-07)*	3E-06 *(1E-06, 8E-06)*	8E-06 *(2E-06, 9E-06)*	9E-06 *	-
ARSENIC	2E-07 *(9E-08, 4E-07)*	2E-06 *(1E-06, 4E-06)*	4E-06 *(2E-06, 7E-06)*	* *	-
BARIUM	1E-08 *(7E-09, 4E-08)*	2E-07 *(1E-07, 4E-07)*	5E-07 *(3E-07, 6E-07)*	* *	-
BERYLLIUM	9E-09 *(5E-09, 1E-08)*	9E-08 *(5E-08, 1E-07)*	2E-07 *(8E-08, 3E-07)*	5E-07 *(3E-07, 6E-07)*	-
CADMIUM	8E-07 *(1E-07, 1E-06)*	5E-05 *	* *	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 1E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
CHROMIUM (VI)	1E-08 *(6E-09, 3E-08)*	8E-07 *	* *	* *	-
COBALT	3E-10 *(2E-10, 5E-10)*	4E-09 *(3E-09, 6E-09)*	7E-09 *(5E-09, 8E-09)*	1E-08 *	-
MANGANESE	8E-09 *(3E-09, 1E-08)*	7E-08 *	* *	* *	-
MERCURY (DIVALENT)	7E-08 *(4E-08, 1E-07)*	8E-06 *(6E-07, 2E-05)*	2E-05 *(2E-06, 3E-05)*	6E-05 *(2E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 7E-10	median: 6E-06	max: 1E-03		
NICKEL	5E-09 *(2E-09, 1E-08)*	3E-07 *	* *	* *	-
SELENIUM	9E-08 *(4E-08, 1E-06)*	3E-05 *	* *	* *	-
SILVER	1E-10 *(6E-11, 1E-09)*	1E-07 *	* *	* *	-
THALLIUM	7E-07 *(2E-07, 1E-06)*	1E-05 *(7E-06, 4E-05)*	4E-05 *(9E-06, 5E-05)*	6E-05 *(1E-05, 7E-05)*	-
Hazard Index	2E-05 *(9E-06, 5E-05)*	1E-03 *(1E-04, 1E-03)*	1E-03 *(2E-04, 1E-03)*	1E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	6E-07 *(3E-07, 9E-07)*	7E-06 *(3E-06, 1E-05)*	2E-05 *(6E-06, 3E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-05 *(4E-05, 1E-04)*	3E-04 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D139. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(6E-10, 2E-09)*	5E-09 *	* *	* *	-
ARSENIC	7E-12 *(3E-12, 2E-11)*	7E-11 *(4E-11, 9E-11)*	9E-11 *(6E-11, 2E-10)*	4E-10 *	-
Additive Risk	1E-09 *(6E-10, 2E-09)*	6E-09 *(3E-09, 8E-09)*	8E-09 *(5E-09, 9E-09)*	1E-08 *(6E-09, 1E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(8E-11, 1E-10)*	5E-10 *(5E-10, 7E-10)*	7E-10 *(6E-10, 1E-09)*	2E-09 *	-
ARSENIC	1E-10 *(5E-11, 2E-10)*	3E-09 *(1E-09, 6E-09)*	7E-09 *(2E-09, 1E-08)*	2E-08 *	-
BERYLLIUM	5E-12 *(3E-12, 1E-11)*	7E-11 *(4E-11, 1E-10)*	1E-10 *(7E-11, 2E-10)*	3E-10 *	-
CADMIUM	9E-11 *(5E-11, 1E-10)*	1E-09 *(3E-10, 4E-09)*	4E-09 *(5E-10, 1E-08)*	2E-08 *	-
CHROMIUM (VI)	9E-10 *(6E-10, 1E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	5E-08 *	-
NICKEL	3E-11 *(1E-11, 5E-11)*	4E-10 *(2E-10, 7E-10)*	8E-10 *(4E-10, 1E-09)*	2E-09 *	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(9E-09, 4E-07)*	2E-06 *(9E-07, 6E-06)*	5E-06 *(1E-06, 6E-06)*	6E-06 *	-
ARSENIC	9E-08 *(5E-08, 3E-07)*	1E-06 *(7E-07, 2E-06)*	2E-06 *(1E-06, 4E-06)*	8E-06 *	-
BARIUM	8E-09 *(4E-09, 2E-08)*	1E-07 *(6E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	8E-07 *(6E-07, 8E-07)*	-
BERYLLIUM	5E-09 *(2E-09, 7E-09)*	5E-08 *(2E-08, 7E-08)*	9E-08 *(5E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	-
CADMIUM	5E-07 *(8E-08, 9E-07)*	3E-05 *(3E-06, 8E-05)*	7E-05 *	* *	-
CHROMIUM (III)	7E-10 *(4E-10, 9E-10)*	9E-09 *(7E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	9E-09 *(3E-09, 2E-08)*	6E-07 *	* *	* *	-
COBALT	9E-10 *(5E-10, 3E-09)*	2E-08 *(8E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	4E-08 *	-
MANGANESE	4E-09 *(1E-09, 9E-09)*	4E-08 *	* *	* *	-
MERCURY (DIVALENT)	3E-08 *(2E-08, 8E-08)*	4E-06 *(3E-07, 9E-06)*	1E-05 *(1E-06, 2E-05)*	3E-05 *	-
MERCURY (METHYL)[a]	min: 4E-10	median: 3E-06	max: 6E-04		
NICKEL	3E-09 *(1E-09, 7E-09)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 7E-07)*	9E-06 *	* *	* *	-
SILVER	9E-11 *(3E-11, 9E-10)*	1E-07 *	* *	* *	-
THALLIUM	4E-07 *(1E-07, 7E-07)*	7E-06 *(4E-06, 2E-05)*	2E-05 *(6E-06, 3E-05)*	3E-05 *(8E-06, 4E-05)*	-
Hazard Index	1E-05 *(5E-06, 4E-05)*	6E-04 *(5E-05, 7E-04)*	7E-04 *(9E-05, 7E-04)*	8E-04 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	6E-07 *(3E-07, 9E-07)*	7E-06 *(3E-06, 1E-05)*	2E-05 *(6E-06, 3E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 5E-05)*	1E-04 *(8E-05, 2E-04)*	2E-04 *(9E-05, 3E-04)*	3E-04 *	-
TCDD-TEQ	3E-05 *(2E-05, 6E-05)*	2E-04 *(1E-04, 4E-04)*	4E-04 *(2E-04, 4E-04)*	4E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D140. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(5E-10, 2E-09)*	8E-09 *	* *	* *	-
ARSENIC	8E-12 *(2E-12, 2E-11)*	1E-10 *(4E-11, 1E-10)*	2E-10 *(7E-11, 2E-10)*	3E-10 *	-
Additive Risk	1E-09 *(5E-10, 2E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(9E-11, 1E-10)*	6E-10 *(5E-10, 7E-10)*	9E-10 *(7E-10, 1E-09)*	2E-09 *	-
ARSENIC	1E-10 *(5E-11, 3E-10)*	3E-09 *(1E-09, 7E-09)*	8E-09 *(3E-09, 1E-08)*	3E-08 *	-
BERYLLIUM	6E-12 *(3E-12, 1E-11)*	8E-11 *(4E-11, 1E-10)*	2E-10 *(8E-11, 2E-10)*	3E-10 *	-
CADMIUM	1E-10 *(6E-11, 1E-10)*	2E-09 *(4E-10, 5E-09)*	4E-09 *(6E-10, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	1E-09 *(7E-10, 2E-09)*	8E-09 *(6E-09, 1E-08)*	2E-08 *(8E-09, 2E-08)*	5E-08 *	-
NICKEL	3E-11 *(1E-11, 6E-11)*	5E-10 *(2E-10, 8E-10)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
Additive Risk	3E-09 *(2E-09, 3E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(5E-09, 4E-07)*	2E-06 *	* *	* *	-
ARSENIC	9E-08 *(3E-08, 2E-07)*	1E-06 *(5E-07, 1E-06)*	2E-06 *(8E-07, 2E-06)*	4E-06 *	-
BARIUM	4E-09 *(2E-09, 9E-09)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(8E-08, 1E-07)*	3E-07 *(2E-07, 3E-07)*	-
BERYLLIUM	2E-09 *(1E-09, 6E-09)*	3E-08 *(1E-08, 6E-08)*	6E-08 *(2E-08, 7E-08)*	* *	-
CADMIUM	3E-07 *(6E-08, 9E-07)*	3E-05 *	* *	* *	-
CHROMIUM (III)	3E-10 *(2E-10, 3E-10)*	4E-09 *(2E-09, 6E-09)*	7E-09 *(5E-09, 8E-09)*	1E-08 *	-
CHROMIUM (VI)	7E-09 *(1E-09, 1E-08)*	6E-07 *	* *	* *	-
COBALT	7E-10 *(3E-10, 3E-09)*	2E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 7E-09)*	5E-08 *	* *	* *	-
MERCURY (DIVALENT)	1E-08 *(9E-09, 3E-08)*	1E-06 *(1E-07, 4E-06)*	4E-06 *(4E-07, 8E-06)*	1E-05 *	-
MERCURY (METHYL)[a]	min: 1E-10	median: 4E-06	max: 7E-04		
NICKEL	2E-09 *(9E-10, 8E-09)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 8E-07)*	2E-05 *	* *	* *	-
SILVER	9E-11 *(3E-11, 7E-10)*	1E-07 *	* *	* *	-
THALLIUM	4E-07 *(5E-08, 7E-07)*	8E-06 *(4E-06, 1E-05)*	1E-05 *(4E-06, 2E-05)*	3E-05 *	-
Hazard Index	2E-05 *(5E-06, 4E-05)*	7E-04 *(5E-05, 8E-04)*	8E-04 *(9E-05, 8E-04)*	8E-04 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	6E-07 *(3E-07, 9E-07)*	7E-06 *(3E-06, 1E-05)*	2E-05 *(6E-06, 3E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	3E-05 *(9E-06, 5E-05)*	2E-04 *(9E-05, 2E-04)*	2E-04 *	* *	-
TCDD-TEQ	3E-05 *(1E-05, 6E-05)*	2E-04 *(1E-04, 5E-04)*	5E-04 *(2E-04, 5E-04)*	5E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D141. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(8E-10, 1E-09)*	4E-08 *(8E-09, 5E-08)*	6E-08 *(4E-08, 8E-08)*	* *	-
ARSENIC	5E-11 *(1E-11, 9E-11)*	1E-09 *(7E-10, 9E-09)*	1E-08 *(2E-09, 2E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	4E-08 *(1E-08, 6E-08)*	6E-08 *(4E-08, 1E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 4E-11)*	3E-10 *(2E-10, 4E-10)*	6E-10 *(4E-10, 7E-10)*	1E-09 *	-
ARSENIC	2E-10 *(6E-11, 5E-10)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *	-
BERYLLIUM	4E-12 *(3E-12, 6E-12)*	2E-10 *(6E-11, 5E-10)*	6E-10 *(2E-10, 1E-09)*	2E-09 *	-
CADMIUM	9E-11 *(6E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(2E-09, 8E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(3E-10, 7E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(8E-12, 3E-11)*	4E-10 *(3E-10, 6E-10)*	9E-10 *(6E-10, 1E-09)*	4E-09 *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-08 *(1E-08, 1E-07)*	4E-04 *(1E-05, 2E-03)*	2E-03 *(3E-04, 3E-03)*	* *	-
ARSENIC	1E-06 *(3E-07, 2E-06)*	3E-05 *(1E-05, 2E-04)*	3E-04 *(4E-05, 5E-04)*	* *	-
BARIUM	2E-08 *(1E-08, 4E-08)*	5E-07 *(3E-07, 7E-07)*	1E-06 *(6E-07, 2E-06)*	9E-06 *(4E-06, 1E-05)*	-
BERYLLIUM	2E-08 *(1E-08, 3E-08)*	9E-07 *(4E-07, 2E-06)*	4E-06 *(1E-06, 2E-05)*	3E-05 *(8E-06, 4E-05)*	-
CADMIUM	3E-06 *(1E-06, 4E-06)*	5E-05 *(2E-05, 2E-04)*	3E-04 *(6E-05, 5E-04)*	6E-04 *(4E-04, 6E-04)*	-
CHROMIUM (III)	2E-09 *(1E-09, 4E-09)*	7E-08 *(5E-08, 9E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(3E-07, 5E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 4E-08)*	2E-06 *(3E-07, 1E-05)*	2E-05 *(2E-06, 3E-05)*	* *	-
COBALT	7E-10 *(5E-10, 9E-10)*	1E-08 *(9E-09, 1E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(6E-08, 9E-08)*	-
MANGANESE	9E-09 *(6E-09, 1E-08)*	4E-07 *(1E-07, 7E-07)*	7E-07 *(3E-07, 8E-07)*	9E-07 *	-
MERCURY (DIVALENT)	3E-07 *(2E-07, 8E-07)*	2E-05 *(8E-06, 4E-05)*	5E-05 *(2E-05, 9E-05)*	2E-04 *(1E-04, 2E-04)*	-
MERCURY (METHYL)[a]	min: 6E-10	median: 5E-06	max: 2E-03		
NICKEL	7E-09 *(4E-09, 1E-08)*	2E-06 *(5E-07, 5E-06)*	5E-06 *(1E-06, 6E-06)*	1E-05 *(3E-06, 2E-05)*	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(9E-06, 4E-05)*	7E-05 *(2E-05, 2E-04)*	* *	-
SILVER	2E-09 *(9E-10, 8E-09)*	4E-07 *(9E-08, 8E-07)*	1E-06 *(3E-07, 3E-06)*	* *	-
THALLIUM	6E-07 *(3E-07, 9E-07)*	2E-05 *(7E-06, 4E-05)*	9E-05 *(3E-05, 7E-04)*	9E-04 *(3E-04, 1E-03)*	-
Hazard Index	5E-05 *(2E-05, 1E-04)*	2E-03 *(7E-04, 4E-03)*	4E-03 *(2E-03, 6E-03)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(2E-07, 1E-06)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 3E-05)*	4E-05 *	-
Hazard Index	6E-04 *(5E-04, 9E-04)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(7E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(3E-05, 7E-05)*	2E-03 *(4E-04, 2E-03)*	3E-03 *(1E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D142. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(6E-10, 1E-09)*	4E-08 *(6E-09, 5E-08)*	6E-08 *(4E-08, 8E-08)*	* *	-
ARSENIC	3E-11 *(9E-12, 7E-11)*	9E-10 *(4E-10, 4E-09)*	7E-09 *(9E-10, 1E-08)*	* *	-
Additive Risk	1E-09 *(9E-10, 2E-09)*	4E-08 *(1E-08, 6E-08)*	6E-08 *(4E-08, 1E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 4E-11)*	4E-10 *(3E-10, 5E-10)*	6E-10 *(5E-10, 8E-10)*	1E-09 *	-
ARSENIC	3E-10 *(7E-11, 6E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *	-
BERYLLIUM	5E-12 *(3E-12, 7E-12)*	2E-10 *(7E-11, 5E-10)*	7E-10 *(2E-10, 1E-09)*	2E-09 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 9E-09)*	3E-08 *	-
CHROMIUM (VI)	5E-10 *(3E-10, 8E-10)*	1E-08 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(9E-12, 3E-11)*	4E-10 *(3E-10, 7E-10)*	1E-09 *(7E-10, 2E-09)*	5E-09 *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(6E-09, 7E-08)*	2E-04 *(5E-06, 7E-04)*	8E-04 *(2E-04, 2E-03)*	* *	-
ARSENIC	6E-07 *(1E-07, 1E-06)*	1E-05 *(7E-06, 7E-05)*	1E-04 *(2E-05, 3E-04)*	* *	-
BARIUM	8E-09 *(3E-09, 1E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(1E-07, 7E-07)*	2E-06 *(1E-06, 3E-06)*	-
BERYLLIUM	7E-09 *(4E-09, 1E-08)*	3E-07 *(1E-07, 7E-07)*	1E-06 *(3E-07, 6E-06)*	* *	-
CADMIUM	2E-06 *(8E-07, 2E-06)*	2E-05 *(1E-05, 1E-04)*	2E-04 *	* *	-
CHROMIUM (III)	6E-10 *(3E-10, 9E-10)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	1E-07 *(9E-08, 1E-07)*	-
CHROMIUM (VI)	6E-09 *(4E-09, 1E-08)*	1E-06 *(1E-07, 7E-06)*	7E-06 *	* *	-
COBALT	1E-10 *(1E-10, 2E-10)*	4E-09 *(2E-09, 5E-09)*	7E-09 *(5E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
MANGANESE	4E-09 *(2E-09, 7E-09)*	2E-07 *(5E-08, 3E-07)*	3E-07 *(1E-07, 5E-07)*	5E-07 *	-
MERCURY (DIVALENT)	9E-08 *(5E-08, 2E-07)*	5E-06 *(2E-06, 9E-06)*	1E-05 *(5E-06, 3E-05)*	5E-05 *(3E-05, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 4E-06	max: 1E-03		
NICKEL	3E-09 *(2E-09, 8E-09)*	7E-07 *(2E-07, 2E-06)*	2E-06 *(5E-07, 3E-06)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	5E-05 *(2E-05, 9E-05)*	* *	-
SILVER	9E-10 *(4E-10, 4E-09)*	2E-07 *(5E-08, 5E-07)*	6E-07 *(2E-07, 2E-06)*	* *	-
THALLIUM	3E-07 *(2E-07, 7E-07)*	1E-05 *(4E-06, 2E-05)*	6E-05 *(1E-05, 4E-04)*	7E-04 *(2E-04, 8E-04)*	-
Hazard Index	3E-05 *(1E-05, 7E-05)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 3E-03)*	9E-03 *(2E-03, 9E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(2E-07, 1E-06)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 3E-05)*	4E-05 *	-
Hazard Index	6E-04 *(5E-04, 9E-04)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(7E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(2E-05, 5E-05)*	9E-04 *(2E-04, 2E-03)*	2E-03 *(9E-04, 3E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D143. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(3E-10, 8E-10)*	2E-08 *(3E-09, 3E-08)*	3E-08 *(2E-08, 4E-08)*	* *	-
ARSENIC	2E-11 *(5E-12, 4E-11)*	5E-10 *(2E-10, 2E-09)*	5E-09 *(6E-10, 9E-09)*	* *	-
Additive Risk	7E-10 *(5E-10, 9E-10)*	2E-08 *(7E-09, 3E-08)*	3E-08 *(2E-08, 5E-08)*	1E-07 *(3E-08, 2E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	2E-10 *(2E-10, 3E-10)*	4E-10 *(3E-10, 5E-10)*	9E-10 *	-
ARSENIC	2E-10 *(5E-11, 4E-10)*	6E-09 *(4E-09, 9E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 5E-12)*	1E-10 *(5E-11, 3E-10)*	5E-10 *(1E-10, 7E-10)*	1E-09 *	-
CADMIUM	7E-11 *(4E-11, 1E-10)*	1E-09 *(8E-10, 2E-09)*	3E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	7E-09 *(4E-09, 8E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(6E-12, 2E-11)*	3E-10 *(2E-10, 4E-10)*	7E-10 *(4E-10, 1E-09)*	3E-09 *	-
Additive Risk	1E-09 *(8E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(3E-09, 5E-08)*	1E-04 *(3E-06, 8E-04)*	8E-04 *(1E-04, 1E-03)*	* *	-
ARSENIC	3E-07 *(9E-08, 7E-07)*	9E-06 *(4E-06, 4E-05)*	8E-05 *	* *	-
BARIUM	4E-09 *(2E-09, 8E-09)*	7E-08 *(5E-08, 9E-08)*	2E-07 *(8E-08, 3E-07)*	1E-06 *(6E-07, 1E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 8E-09)*	1E-07 *(6E-08, 4E-07)*	6E-07 *(1E-07, 3E-06)*	* *	-
CADMIUM	9E-07 *(4E-07, 1E-06)*	1E-05 *(6E-06, 9E-05)*	1E-04 *	* *	-
CHROMIUM (III)	3E-10 *(2E-10, 6E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(5E-08, 7E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	8E-07 *(9E-08, 4E-06)*	5E-06 *	* *	-
COBALT	8E-10 *(3E-10, 1E-09)*	5E-08 *(9E-09, 9E-08)*	9E-08 *(5E-08, 1E-07)*	1E-07 *	-
MANGANESE	2E-09 *(1E-09, 4E-09)*	1E-07 *(2E-08, 2E-07)*	2E-07 *(8E-08, 3E-07)*	3E-07 *	-
MERCURY (DIVALENT)	5E-08 *(3E-08, 9E-08)*	3E-06 *(1E-06, 5E-06)*	7E-06 *(3E-06, 1E-05)*	2E-05 *(1E-05, 3E-05)*	-
MERCURY (METHYL)[a]	min: 8E-11	median: 2E-06	max: 7E-04		
NICKEL	2E-09 *(1E-09, 4E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(3E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	9E-06 *(4E-06, 2E-05)*	3E-05 *(8E-06, 7E-05)*	* *	-
SILVER	5E-10 *(2E-10, 3E-09)*	2E-07 *(4E-08, 3E-07)*	4E-07 *(1E-07, 8E-07)*	* *	-
THALLIUM	2E-07 *(9E-08, 3E-07)*	8E-06 *(2E-06, 1E-05)*	3E-05 *(8E-06, 2E-04)*	4E-04 *(1E-04, 4E-04)*	-
Hazard Index	2E-05 *(8E-06, 4E-05)*	7E-04 *(3E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	5E-03 *(1E-03, 5E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(2E-07, 1E-06)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 3E-05)*	4E-05 *	-
Hazard Index	6E-04 *(5E-04, 9E-04)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(7E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(9E-06, 2E-05)*	6E-04 *(9E-05, 8E-04)*	9E-04 *(6E-04, 1E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	7E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D144. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(5E-10, 1E-09)*	3E-08 *(5E-09, 4E-08)*	5E-08 *(3E-08, 7E-08)*	* *	-
ARSENIC	2E-11 *(8E-12, 5E-11)*	7E-10 *(3E-10, 3E-09)*	6E-09 *	* *	-
Additive Risk	1E-09 *(8E-10, 1E-09)*	4E-08 *(1E-08, 5E-08)*	6E-08 *(4E-08, 9E-08)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	3E-10 *(2E-10, 4E-10)*	5E-10 *(4E-10, 6E-10)*	1E-09 *	-
ARSENIC	2E-10 *(5E-11, 4E-10)*	7E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	4E-08 *	-
BERYLLIUM	4E-12 *(2E-12, 5E-12)*	2E-10 *(5E-11, 4E-10)*	5E-10 *(2E-10, 8E-10)*	1E-09 *	-
CADMIUM	7E-11 *(5E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	4E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(2E-10, 6E-10)*	8E-09 *(5E-09, 9E-09)*	1E-08 *(9E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(7E-12, 2E-11)*	3E-10 *(2E-10, 5E-10)*	8E-10 *(5E-10, 1E-09)*	3E-09 *	-
Additive Risk	2E-09 *(9E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(3E-08, 4E-08)*	7E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(2E-09, 4E-08)*	1E-04 *(3E-06, 9E-04)*	9E-04 *(1E-04, 1E-03)*	* *	-
ARSENIC	3E-07 *(9E-08, 6E-07)*	8E-06 *(4E-06, 4E-05)*	7E-05 *(9E-06, 2E-04)*	* *	-
BARIUM	1E-09 *(8E-10, 4E-09)*	5E-08 *(2E-08, 6E-08)*	9E-08 *(5E-08, 1E-07)*	5E-07 *(2E-07, 7E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 5E-09)*	9E-08 *(4E-08, 2E-07)*	3E-07 *(9E-08, 2E-06)*	* *	-
CADMIUM	9E-07 *(4E-07, 1E-06)*	9E-06 *(7E-06, 7E-05)*	9E-05 *	* *	-
CHROMIUM (III)	1E-10 *(8E-11, 2E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(6E-09, 9E-09)*	2E-08 *(2E-08, 3E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	1E-06 *(9E-08, 5E-06)*	6E-06 *(8E-07, 1E-05)*	* *	-
COBALT	5E-10 *(2E-10, 1E-09)*	6E-08 *(6E-09, 9E-08)*	9E-08 *(3E-08, 1E-07)*	1E-07 *	-
MANGANESE	1E-09 *(7E-10, 4E-09)*	1E-07 *(1E-08, 3E-07)*	3E-07 *(1E-07, 4E-07)*	4E-07 *	-
MERCURY (DIVALENT)	2E-08 *(1E-08, 5E-08)*	1E-06 *(4E-07, 2E-06)*	3E-06 *(1E-06, 6E-06)*	9E-06 *(7E-06, 1E-05)*	-
MERCURY (METHYL)[a]	min: 3E-11	median: 2E-06	max: 8E-04		
NICKEL	2E-09 *(1E-09, 2E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(4E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	1E-05 *(5E-06, 2E-05)*	3E-05 *(9E-06, 8E-05)*	* *	-
SILVER	6E-10 *(1E-10, 3E-09)*	2E-07 *(4E-08, 5E-07)*	5E-07 *(1E-07, 9E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	8E-06 *(2E-06, 2E-05)*	3E-05 *(9E-06, 2E-04)*	4E-04 *(1E-04, 5E-04)*	-
Hazard Index	2E-05 *(9E-06, 4E-05)*	8E-04 *(3E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	5E-07 *(2E-07, 1E-06)*	1E-05 *(7E-06, 1E-05)*	2E-05 *(1E-05, 3E-05)*	4E-05 *	-
Hazard Index	6E-04 *(5E-04, 9E-04)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(7E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(8E-06, 2E-05)*	8E-04 *(1E-04, 9E-04)*	1E-03 *(8E-04, 2E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	8E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D145. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 8E-09)*	2E-08 *	2E-08 *	* *	-
ARSENIC	1E-10 *(2E-11, 9E-10)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(3E-09, 5E-09)*	* *	-
Additive Risk	4E-09 *(3E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 3E-08)*	4E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	9E-11 *(6E-11, 1E-10)*	6E-10 *(5E-10, 9E-10)*	1E-09 *(7E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	-
ARSENIC	7E-10 *(2E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(1E-11, 2E-11)*	2E-10 *(7E-11, 1E-09)*	1E-09 *(1E-10, 3E-09)*	6E-09 *(2E-10, 7E-09)*	-
CADMIUM	2E-10 *(9E-11, 4E-10)*	5E-09 *(4E-09, 6E-09)*	1E-08 *(1E-08, 2E-08)*	5E-08 *(5E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 4E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	6E-11 *(4E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 6E-09)*	8E-09 *(8E-09, 8E-09)*	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	4E-08 *(2E-08, 5E-08)*	8E-08 *(6E-08, 9E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(2E-07, 9E-06)*	* *	* *	* *	-
ARSENIC	3E-06 *(7E-07, 2E-05)*	9E-05 *(4E-05, 1E-04)*	1E-04 *(8E-05, 1E-04)*	2E-04 *(2E-04, 2E-04)*	-
BARIUM	1E-07 *(4E-08, 3E-07)*	3E-06 *(2E-06, 4E-06)*	5E-06 *(3E-06, 6E-06)*	2E-05 *(1E-05, 2E-05)*	-
BERYLLIUM	7E-08 *(4E-08, 1E-07)*	1E-06 *(6E-07, 5E-06)*	5E-06 *(9E-07, 2E-05)*	4E-05 *(2E-06, 5E-05)*	-
CADMIUM	5E-06 *(9E-07, 2E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *(3E-04, 4E-04)*	* *	-
CHROMIUM (III)	9E-09 *(6E-09, 1E-08)*	1E-07 *(1E-07, 2E-07)*	4E-07 *(3E-07, 5E-07)*	8E-07 *(7E-07, 8E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 3E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(2E-07, 2E-07)*	-
COBALT	6E-09 *(3E-09, 9E-09)*	7E-08 *(6E-08, 8E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
MANGANESE	6E-08 *(2E-08, 1E-07)*	9E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-06 *(9E-07, 4E-06)*	2E-05 *(9E-06, 5E-05)*	5E-05 *(1E-05, 8E-05)*	* *	-
MERCURY (METHYL)[a]	min: 1E-08	median: 1E-05	max: 6E-04		
NICKEL	4E-08 *(2E-08, 3E-07)*	1E-06 *(5E-07, 1E-06)*	1E-06 *(1E-06, 1E-06)*	3E-06 *(3E-06, 3E-06)*	-
SELENIUM	5E-06 *(7E-07, 1E-05)*	8E-05 *	* *	* *	-
SILVER	4E-09 *(2E-09, 1E-08)*	2E-06 *	* *	* *	-
THALLIUM	1E-05 *(9E-07, 6E-05)*	7E-04 *(2E-04, 8E-04)*	9E-04 *(8E-04, 1E-03)*	2E-03 *(2E-03, 2E-03)*	-
Hazard Index	6E-04 *(5E-04, 1E-03)*	3E-03 *(2E-03, 3E-03)*	3E-03 *(2E-03, 3E-03)*	3E-03 *(3E-03, 3E-03)*	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 3E-05)*	4E-05 *(3E-05, 5E-05)*	9E-05 *(9E-05, 9E-05)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(7E-05, 4E-04)*	9E-04 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D146. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 5E-09)*	2E-08 *(9E-09, 2E-08)*	2E-08 *	3E-08 *	-
ARSENIC	9E-11 *(1E-11, 8E-10)*	3E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 3E-09)*	4E-09 *(4E-09, 4E-09)*	-
Additive Risk	3E-09 *(2E-09, 7E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 3E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 1E-10)*	7E-10 *(6E-10, 1E-09)*	1E-09 *(8E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(1E-11, 3E-11)*	2E-10 *(8E-11, 1E-09)*	1E-09 *(1E-10, 4E-09)*	6E-09 *(2E-10, 8E-09)*	-
CADMIUM	2E-10 *(1E-10, 4E-10)*	6E-09 *(4E-09, 7E-09)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	6E-11 *(4E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(4E-09, 7E-09)*	9E-09 *(9E-09, 9E-09)*	-
Additive Risk	3E-09 *(2E-09, 5E-09)*	4E-08 *(3E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(1E-07, 4E-06)*	* *	* *	* *	-
ARSENIC	2E-06 *(2E-07, 1E-05)*	5E-05 *(2E-05, 5E-05)*	6E-05 *(4E-05, 6E-05)*	8E-05 *(7E-05, 8E-05)*	-
BARIUM	4E-08 *(1E-08, 1E-07)*	8E-07 *(6E-07, 1E-06)*	1E-06 *(9E-07, 2E-06)*	4E-06 *(4E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 5E-08)*	4E-07 *(1E-07, 2E-06)*	2E-06 *(2E-07, 5E-06)*	1E-05 *	-
CADMIUM	3E-06 *(4E-07, 1E-05)*	* *	* *	* *	-
CHROMIUM (III)	2E-09 *(1E-09, 4E-09)*	4E-08 *(3E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(3E-09, 1E-08)*	4E-08 *	* *	* *	-
COBALT	1E-09 *(7E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(6E-08, 6E-08)*	-
MANGANESE	2E-08 *(7E-09, 5E-08)*	4E-07 *	9E-07 *	* *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 9E-07)*	6E-06 *(2E-06, 1E-05)*	1E-05 *(4E-06, 2E-05)*	* *	-
MERCURY (METHYL)[a]	min: 3E-09	median: 1E-05	max: 4E-04		
NICKEL	1E-08 *(9E-09, 1E-07)*	6E-07 *(2E-07, 7E-07)*	7E-07 *(4E-07, 7E-07)*	9E-07 *(8E-07, 9E-07)*	-
SELENIUM	3E-06 *(5E-07, 6E-06)*	* *	* *	* *	-
SILVER	1E-09 *(9E-10, 9E-09)*	8E-07 *	* *	* *	-
THALLIUM	9E-06 *(8E-07, 3E-05)*	4E-04 *(8E-05, 7E-04)*	9E-04 *(8E-04, 9E-04)*	* *	-
Hazard Index	4E-04 *(4E-04, 9E-04)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 3E-05)*	4E-05 *(3E-05, 5E-05)*	9E-05 *(9E-05, 9E-05)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	8E-05 *(5E-05, 2E-04)*	6E-04 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D147. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(7E-10, 3E-09)*	9E-09 *	* *	* *	-
ARSENIC	6E-11 *(8E-12, 5E-10)*	1E-09 *(8E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	6E-11 *(5E-11, 8E-11)*	5E-10 *(4E-10, 6E-10)*	7E-10 *(5E-10, 7E-10)*	1E-09 *(9E-10, 1E-09)*	-
ARSENIC	5E-10 *(2E-10, 1E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(8E-08, 8E-08)*	-
BERYLLIUM	9E-12 *(7E-12, 2E-11)*	1E-10 *(5E-11, 9E-10)*	9E-10 *(8E-11, 3E-09)*	4E-09 *(1E-10, 5E-09)*	-
CADMIUM	1E-10 *(7E-11, 3E-10)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(7E-09, 1E-08)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(8E-11, 2E-10)*	1E-09 *(9E-10, 1E-09)*	3E-09 *(2E-09, 3E-09)*	8E-09 *(8E-09, 9E-09)*	-
NICKEL	4E-11 *(3E-11, 7E-11)*	2E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 4E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *(9E-08, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(7E-08, 3E-06)*	* *	* *	* *	-
ARSENIC	9E-07 *(1E-07, 9E-06)*	3E-05 *(1E-05, 3E-05)*	3E-05 *(2E-05, 3E-05)*	4E-05 *(4E-05, 4E-05)*	-
BARIUM	2E-08 *(7E-09, 7E-08)*	4E-07 *(3E-07, 6E-07)*	8E-07 *(5E-07, 9E-07)*	2E-06 *(2E-06, 2E-06)*	-
BERYLLIUM	1E-08 *(8E-09, 2E-08)*	2E-07 *(9E-08, 9E-07)*	8E-07 *(1E-07, 3E-06)*	7E-06 *(2E-07, 8E-06)*	-
CADMIUM	2E-06 *(2E-07, 8E-06)*	5E-05 *(3E-05, 6E-05)*	8E-05 *(7E-05, 9E-05)*	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	6E-08 *(4E-08, 6E-08)*	* *	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	2E-08 *	* *	* *	-
COBALT	4E-09 *(9E-10, 8E-09)*	8E-08 *	* *	* *	-
MANGANESE	1E-08 *(4E-09, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-07 *(1E-07, 6E-07)*	3E-06 *(1E-06, 8E-06)*	8E-06 *(2E-06, 1E-05)*	* *	-
MERCURY (METHYL)[a]	min: 2E-09	median: 5E-06	max: 2E-04		
NICKEL	8E-09 *(5E-09, 8E-08)*	4E-07 *(1E-07, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *(5E-07, 5E-07)*	-
SELENIUM	1E-06 *(3E-07, 4E-06)*	5E-05 *	* *	* *	-
SILVER	8E-10 *(5E-10, 5E-09)*	5E-07 *	* *	* *	-
THALLIUM	5E-06 *(5E-07, 2E-05)*	3E-04 *(5E-05, 4E-04)*	5E-04 *(4E-04, 5E-04)*	6E-04 *(6E-04, 6E-04)*	-
Hazard Index	2E-04 *(2E-04, 4E-04)*	1E-03 *(6E-04, 1E-03)*	1E-03 *(9E-04, 1E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 3E-05)*	4E-05 *(3E-05, 5E-05)*	9E-05 *(9E-05, 9E-05)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	3E-05 *(2E-05, 8E-05)*	3E-04 *	* *	* *	-
TCDD-TEQ	4E-05 *(3E-05, 2E-04)*	3E-04 *(2E-04, 6E-04)*	6E-04 *(3E-04, 6E-04)*	6E-04 *(3E-04, 6E-04)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D148. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(9E-10, 4E-09)*	2E-08 *	* *	* *	-
ARSENIC	8E-11 *(9E-12, 9E-10)*	* *	* *	* *	-
Additive Risk	3E-09 *(1E-09, 5E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *	3E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 9E-11)*	5E-10 *(4E-10, 7E-10)*	8E-10 *(6E-10, 8E-10)*	1E-09 *(1E-09, 1E-09)*	-
ARSENIC	6E-10 *(2E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	9E-08 *(9E-08, 1E-07)*	-
BERYLLIUM	1E-11 *(8E-12, 2E-11)*	1E-10 *(6E-11, 1E-09)*	1E-09 *(9E-11, 3E-09)*	5E-09 *(2E-10, 6E-09)*	-
CADMIUM	1E-10 *(8E-11, 3E-10)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(8E-09, 2E-08)*	5E-08 *(4E-08, 5E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	1E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 1E-08)*	-
NICKEL	5E-11 *(3E-11, 8E-11)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(7E-08, 3E-06)*	* *	* *	* *	-
ARSENIC	8E-07 *(1E-07, 9E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(3E-09, 3E-08)*	2E-07 *(1E-07, 2E-07)*	3E-07 *(2E-07, 4E-07)*	9E-07 *(8E-07, 9E-07)*	-
BERYLLIUM	9E-09 *(6E-09, 2E-08)*	9E-08 *(4E-08, 7E-07)*	7E-07 *(6E-08, 2E-06)*	* *	-
CADMIUM	2E-06 *(2E-07, 9E-06)*	6E-05 *(2E-05, 7E-05)*	9E-05 *	* *	-
CHROMIUM (III)	6E-10 *(4E-10, 9E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
CHROMIUM (VI)	3E-09 *(1E-09, 8E-09)*	2E-08 *	* *	* *	-
COBALT	3E-09 *(5E-10, 5E-09)*	8E-08 *	* *	* *	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(6E-08, 2E-07)*	1E-06 *(5E-07, 3E-06)*	3E-06 *(8E-07, 6E-06)*	* *	-
MERCURY (METHYL)[a]	min: 7E-10	median: 6E-06	max: 2E-04		
NICKEL	7E-09 *(6E-09, 9E-08)*	* *	* *	* *	-
SELENIUM	2E-06 *(3E-07, 7E-06)*	5E-05 *	* *	* *	-
SILVER	1E-09 *(3E-10, 6E-09)*	6E-07 *	* *	* *	-
THALLIUM	5E-06 *(4E-07, 1E-05)*	2E-04 *(5E-05, 3E-04)*	4E-04 *(4E-04, 4E-04)*	* *	-
Hazard Index	2E-04 *(2E-04, 6E-04)*	1E-03 *(6E-04, 1E-03)*	1E-03 *(1E-03, 1E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	8E-07 *(4E-07, 2E-06)*	2E-05 *(1E-05, 3E-05)*	4E-05 *(3E-05, 5E-05)*	9E-05 *(9E-05, 9E-05)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	4E-05 *(2E-05, 9E-05)*	4E-04 *(2E-04, 5E-04)*	5E-04 *	6E-04 *	-
TCDD-TEQ	5E-05 *(3E-05, 2E-04)*	4E-04 *(2E-04, 6E-04)*	6E-04 *(4E-04, 7E-04)*	7E-04 *(4E-04, 7E-04)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D149. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 2E-08)*	7E-08 *	* *	* *	-
ARSENIC	1E-10 *(7E-11, 3E-10)*	1E-08 *	* *	* *	-
Additive Risk	5E-09 *(2E-09, 4E-08)*	9E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	6E-11 *(4E-11, 1E-10)*	5E-10 *(3E-10, 7E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	1E-09 *(4E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *	-
BERYLLIUM	2E-11 *(9E-12, 7E-11)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(6E-10, 1E-09)*	2E-09 *	-
CADMIUM	5E-10 *(3E-10, 8E-10)*	5E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
NICKEL	1E-10 *(6E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(8E-10, 3E-09)*	4E-09 *	-
Additive Risk	8E-09 *(5E-09, 1E-08)*	4E-08 *(4E-08, 6E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-06 *(2E-07, 3E-05)*	2E-03 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 7E-06)*	4E-04 *	* *	* *	-
BARIUM	6E-08 *(3E-08, 9E-08)*	8E-07 *(4E-07, 3E-06)*	4E-06 *(6E-07, 8E-06)*	1E-05 *(5E-06, 1E-05)*	-
BERYLLIUM	2E-07 *(5E-08, 4E-07)*	9E-06 *(1E-06, 2E-05)*	2E-05 *(4E-06, 3E-05)*	4E-05 *(1E-05, 4E-05)*	-
CADMIUM	1E-05 *(4E-06, 2E-05)*	4E-04 *(4E-05, 5E-04)*	5E-04 *(2E-04, 5E-04)*	6E-04 *	-
CHROMIUM (III)	1E-08 *(9E-09, 2E-08)*	1E-07 *(9E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
CHROMIUM (VI)	1E-07 *(4E-08, 1E-06)*	2E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(4E-08, 7E-08)*	-
MANGANESE	3E-08 *(9E-09, 9E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	6E-07 *(4E-07, 1E-06)*	2E-05 *(3E-06, 7E-05)*	7E-05 *(6E-06, 1E-04)*	2E-04 *	-
MERCURY (METHYL)[a]	min: 2E-09	median: 2E-07	max: 2E-04		
NICKEL	1E-07 *(3E-08, 5E-07)*	3E-06 *(9E-07, 9E-06)*	8E-06 *(2E-06, 2E-05)*	2E-05 *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	5E-05 *	* *	* *	-
SILVER	1E-09 *(4E-10, 4E-08)*	7E-07 *	* *	* *	-
THALLIUM	8E-07 *(5E-07, 1E-06)*	1E-05 *	* *	* *	-
Hazard Index	1E-04 *(3E-05, 5E-04)*	5E-03 *(6E-04, 1E-02)*	1E-02 *(4E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	3E-06 *(2E-06, 4E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(2E-05, 4E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(5E-05, 9E-04)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D150. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(9E-10, 2E-08)*	7E-08 *	* *	* *	-
ARSENIC	9E-11 *(4E-11, 1E-10)*	7E-09 *	* *	* *	-
Additive Risk	5E-09 *(1E-09, 3E-08)*	8E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 1E-10)*	5E-10 *(3E-10, 8E-10)*	9E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	1E-09 *(4E-10, 3E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(2E-08, 5E-08)*	6E-08 *	-
BERYLLIUM	3E-11 *(1E-11, 8E-11)*	8E-10 *(3E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	2E-09 *	-
CADMIUM	6E-10 *(4E-10, 9E-10)*	6E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	8E-08 *	-
NICKEL	1E-10 *(7E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(9E-10, 3E-09)*	5E-09 *	-
Additive Risk	9E-09 *(6E-09, 1E-08)*	5E-08 *(4E-08, 6E-08)*	8E-08 *(5E-08, 1E-07)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-07 *(8E-08, 1E-05)*	8E-04 *	* *	* *	-
ARSENIC	1E-06 *(7E-07, 2E-06)*	2E-04 *	* *	* *	-
BARIUM	2E-08 *(1E-08, 3E-08)*	2E-07 *(9E-08, 7E-07)*	8E-07 *(1E-07, 2E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	6E-08 *(1E-08, 1E-07)*	2E-06 *	* *	* *	-
CADMIUM	6E-06 *(2E-06, 9E-06)*	* *	* *	* *	-
CHROMIUM (III)	3E-09 *(2E-09, 5E-09)*	3E-08 *(2E-08, 5E-08)*	6E-08 *(4E-08, 9E-08)*	* *	-
CHROMIUM (VI)	4E-08 *(1E-08, 6E-07)*	* *	* *	* *	-
COBALT	4E-10 *(3E-10, 6E-10)*	5E-09 *(4E-09, 7E-09)*	8E-09 *(6E-09, 9E-09)*	1E-08 *(1E-08, 2E-08)*	-
MANGANESE	9E-09 *(3E-09, 4E-08)*	2E-07 *(7E-08, 2E-07)*	2E-07 *	* *	-
MERCURY (DIVALENT)	1E-07 *(9E-08, 3E-07)*	5E-06 *(9E-07, 2E-05)*	2E-05 *(2E-06, 4E-05)*	6E-05 *	-
MERCURY (METHYL)[a]	min: 5E-10	median: 5E-08	max: 2E-04		
NICKEL	5E-08 *(9E-09, 2E-07)*	2E-06 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	4E-05 *	* *	* *	-
SILVER	5E-10 *(2E-10, 2E-08)*	4E-07 *	* *	* *	-
THALLIUM	4E-07 *(3E-07, 8E-07)*	7E-06 *	* *	* *	-
Hazard Index	6E-05 *(2E-05, 3E-04)*	3E-03 *(3E-04, 9E-03)*	9E-03 *(1E-03, 9E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	3E-06 *(2E-06, 4E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(2E-05, 4E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(3E-05, 6E-04)*	2E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D151. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(5E-10, 1E-08)*	3E-08 *	* *	* *	-
ARSENIC	5E-11 *(2E-11, 8E-11)*	8E-09 *	* *	* *	-
Additive Risk	3E-09 *(7E-10, 2E-08)*	4E-08 *(3E-08, 1E-07)*	9E-08 *(3E-08, 2E-07)*	2E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 8E-11)*	4E-10 *(2E-10, 5E-10)*	6E-10 *(3E-10, 9E-10)*	1E-09 *	-
ARSENIC	7E-10 *(3E-10, 2E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	2E-11 *(7E-12, 5E-11)*	5E-10 *(2E-10, 9E-10)*	9E-10 *(5E-10, 1E-09)*	1E-09 *	-
CADMIUM	4E-10 *(2E-10, 6E-10)*	4E-09 *(2E-09, 8E-09)*	8E-09 *(3E-09, 2E-08)*	2E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 4E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *	-
NICKEL	8E-11 *(4E-11, 1E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	3E-09 *	-
Additive Risk	6E-09 *(4E-09, 7E-09)*	3E-08 *(3E-08, 4E-08)*	5E-08 *(3E-08, 6E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(4E-08, 6E-06)*	8E-04 *	* *	* *	-
ARSENIC	9E-07 *(3E-07, 1E-06)*	* *	* *	* *	-
BARIUM	1E-08 *(9E-09, 1E-08)*	1E-07 *(5E-08, 4E-07)*	5E-07 *(9E-08, 8E-07)*	2E-06 *(7E-07, 2E-06)*	-
BERYLLIUM	3E-08 *(8E-09, 8E-08)*	1E-06 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 5E-06)*	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 5E-08)*	* *	-
CHROMIUM (VI)	2E-08 *(9E-09, 5E-07)*	* *	* *	* *	-
COBALT	1E-09 *(6E-10, 7E-09)*	6E-08 *	* *	* *	-
MANGANESE	5E-09 *(2E-09, 2E-08)*	* *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(6E-08, 1E-07)*	3E-06 *(5E-07, 9E-06)*	1E-05 *(9E-07, 2E-05)*	3E-05 *	-
MERCURY (METHYL)[a]	min: 3E-10	median: 3E-08	max: 8E-05		
NICKEL	2E-08 *(4E-09, 1E-07)*	1E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	3E-10 *(9E-11, 1E-08)*	3E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	5E-06 *	* *	* *	-
Hazard Index	4E-05 *(9E-06, 2E-04)*	2E-03 *(2E-04, 5E-03)*	5E-03 *(1E-03, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	3E-06 *(2E-06, 4E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(2E-05, 4E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-05 *(1E-05, 3E-04)*	9E-04 *(6E-04, 4E-03)*	3E-03 *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 8E-04)*	1E-03 *(9E-04, 7E-03)*	7E-03 *(1E-03, 7E-03)*	7E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D152. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(8E-10, 2E-08)*	6E-08 *	* *	* *	-
ARSENIC	5E-11 *(2E-11, 9E-11)*	* *	* *	* *	-
Additive Risk	4E-09 *(8E-10, 4E-08)*	7E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 9E-11)*	4E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	2E-08 *(8E-09, 2E-08)*	3E-08 *(2E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	2E-11 *(8E-12, 6E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
CADMIUM	4E-10 *(3E-10, 7E-10)*	5E-09 *(2E-09, 9E-09)*	9E-09 *(4E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	6E-08 *	-
NICKEL	9E-11 *(5E-11, 1E-10)*	8E-10 *(4E-10, 1E-09)*	1E-09 *(7E-10, 3E-09)*	3E-09 *	-
Additive Risk	7E-09 *(4E-09, 8E-09)*	4E-08 *(3E-08, 5E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(3E-08, 6E-06)*	8E-04 *	* *	* *	-
ARSENIC	6E-07 *(3E-07, 1E-06)*	1E-04 *	* *	* *	-
BARIUM	9E-09 *(7E-09, 1E-08)*	4E-08 *(2E-08, 1E-07)*	2E-07 *(3E-08, 4E-07)*	7E-07 *(3E-07, 8E-07)*	-
BERYLLIUM	2E-08 *(5E-09, 5E-08)*	6E-07 *	* *	* *	-
CADMIUM	2E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	8E-10 *(6E-10, 1E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	* *	-
CHROMIUM (VI)	1E-08 *(7E-09, 3E-07)*	6E-06 *	* *	* *	-
COBALT	9E-10 *(3E-10, 6E-09)*	6E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	4E-08 *(3E-08, 7E-08)*	1E-06 *(2E-07, 4E-06)*	4E-06 *(4E-07, 9E-06)*	1E-05 *	-
MERCURY (METHYL)[a]	min: 1E-10	median: 1E-08	max: 9E-05		
NICKEL	1E-08 *(2E-09, 1E-07)*	1E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	3E-10 *(7E-11, 1E-08)*	3E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	5E-06 *	* *	* *	-
Hazard Index	3E-05 *(8E-06, 2E-04)*	2E-03 *(2E-04, 6E-03)*	6E-03 *(1E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	3E-06 *(2E-06, 4E-06)*	2E-05 *(1E-05, 2E-05)*	3E-05 *(2E-05, 4E-05)*	5E-05 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(2E-05, 4E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 8E-04)*	2E-03 *(1E-03, 8E-03)*	8E-03 *(1E-03, 8E-03)*	8E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D153. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-10 *(1E-10, 1E-09)*	2E-09 *	3E-09 *	5E-09 *	-
ARSENIC	9E-12 *(5E-12, 7E-11)*	5E-10 *(1E-10, 7E-10)*	6E-10 *(2E-10, 7E-10)*	8E-10 *	-
Additive Risk	1E-09 *(3E-10, 2E-09)*	2E-09 *(2E-09, 4E-09)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(2E-09, 6E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	8E-12 *(4E-12, 2E-11)*	2E-10 *(6E-11, 3E-10)*	3E-10 *(1E-10, 5E-10)*	8E-10 *	-
ARSENIC	5E-11 *(2E-11, 2E-10)*	3E-09 *(1E-09, 5E-09)*	6E-09 *(3E-09, 8E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 3E-11)*	3E-11 *(2E-11, 7E-11)*	2E-10 *	-
CADMIUM	4E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 7E-10)*	9E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 4E-09)*	6E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(2E-12, 9E-12)*	7E-11 *(3E-11, 1E-10)*	1E-10 *(6E-11, 2E-10)*	3E-10 *	-
Additive Risk	5E-10 *(3E-10, 1E-09)*	7E-09 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(2E-09, 2E-08)*	8E-07 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 1E-06)*	1E-05 *(4E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	2E-05 *	-
BARIUM	5E-09 *(2E-09, 1E-08)*	1E-07 *(8E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	7E-07 *	-
BERYLLIUM	9E-09 *(4E-09, 1E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(2E-07, 6E-07)*	-
CADMIUM	9E-07 *(7E-07, 3E-06)*	5E-06 *	* *	* *	-
CHROMIUM (III)	5E-10 *(2E-10, 1E-09)*	1E-08 *(6E-09, 3E-08)*	4E-08 *(1E-08, 8E-08)*	1E-07 *(6E-08, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(6E-09, 1E-08)*	2E-07 *	* *	* *	-
COBALT	3E-10 *(1E-10, 5E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	-
MANGANESE	6E-09 *(2E-09, 9E-09)*	4E-08 *(2E-08, 4E-07)*	3E-07 *(3E-08, 7E-07)*	* *	-
MERCURY (DIVALENT)	1E-07 *(6E-08, 5E-07)*	2E-05 *(3E-06, 4E-05)*	4E-05 *(9E-06, 8E-05)*	* *	-
MERCURY (METHYL)[a]	min: 6E-10	median: 4E-06	max: 2E-03		
NICKEL	3E-09 *(2E-09, 4E-09)*	9E-08 *	* *	* *	-
SELENIUM	3E-07 *(6E-08, 7E-07)*	4E-06 *	* *	* *	-
SILVER	2E-09 *(2E-10, 2E-08)*	7E-08 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 9E-07)*	7E-06 *(1E-06, 2E-05)*	1E-05 *(5E-06, 3E-05)*	4E-05 *	-
Hazard Index	3E-05 *(2E-05, 6E-05)*	7E-04 *(1E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	1E-07 *(5E-08, 3E-07)*	2E-06 *(1E-06, 4E-06)*	4E-06 *(2E-06, 1E-05)*	3E-05 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(7E-06, 6E-05)*	8E-05 *(7E-05, 1E-04)*	1E-04 *	2E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D154. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(1E-10, 1E-09)*	2E-09 *	3E-09 *	4E-09 *	-
ARSENIC	7E-12 *(4E-12, 5E-11)*	3E-10 *	* *	* *	-
Additive Risk	7E-10 *(2E-10, 1E-09)*	2E-09 *(2E-09, 4E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	9E-12 *(5E-12, 2E-11)*	2E-10 *(7E-11, 3E-10)*	4E-10 *(2E-10, 6E-10)*	9E-10 *	-
ARSENIC	6E-11 *(2E-11, 3E-10)*	4E-09 *(2E-09, 6E-09)*	7E-09 *(3E-09, 9E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 4E-11)*	4E-11 *(2E-11, 8E-11)*	2E-10 *	-
CADMIUM	4E-11 *(2E-11, 6E-11)*	4E-10 *(2E-10, 8E-10)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	3E-09 *(1E-09, 5E-09)*	7E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(3E-12, 1E-11)*	8E-11 *(3E-11, 1E-10)*	2E-10 *(7E-11, 3E-10)*	4E-10 *	-
Additive Risk	6E-10 *(3E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-09 *(8E-10, 1E-08)*	4E-07 *	* *	* *	-
ARSENIC	1E-07 *(7E-08, 9E-07)*	6E-06 *	* *	* *	-
BARIUM	1E-09 *(6E-10, 4E-09)*	7E-08 *(3E-08, 9E-08)*	9E-08 *(6E-08, 1E-07)*	2E-07 *(1E-07, 4E-07)*	-
BERYLLIUM	3E-09 *(2E-09, 6E-09)*	4E-08 *(1E-08, 5E-08)*	5E-08 *(3E-08, 7E-08)*	9E-08 *(7E-08, 2E-07)*	-
CADMIUM	7E-07 *(4E-07, 2E-06)*	3E-06 *	* *	* *	-
CHROMIUM (III)	1E-10 *(6E-11, 3E-10)*	4E-09 *(1E-09, 9E-09)*	1E-08 *(4E-09, 2E-08)*	4E-08 *(1E-08, 5E-08)*	-
CHROMIUM (VI)	4E-09 *(3E-09, 6E-09)*	1E-07 *	* *	* *	-
COBALT	7E-11 *(4E-11, 1E-10)*	1E-09 *(8E-10, 1E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 8E-09)*	-
MANGANESE	2E-09 *(8E-10, 6E-09)*	1E-08 *	* *	* *	-
MERCURY (DIVALENT)	3E-08 *(1E-08, 1E-07)*	5E-06 *(7E-07, 9E-06)*	1E-05 *(3E-06, 3E-05)*	4E-05 *	-
MERCURY (METHYL)[a]	min: 2E-10	median: 3E-06	max: 1E-03		
NICKEL	2E-09 *(1E-09, 2E-09)*	5E-08 *	* *	* *	-
SELENIUM	2E-07 *(5E-08, 5E-07)*	3E-06 *	* *	* *	-
SILVER	9E-10 *(7E-11, 7E-09)*	4E-08 *	* *	* *	-
THALLIUM	1E-07 *(6E-08, 6E-07)*	4E-06 *(8E-07, 8E-06)*	7E-06 *(3E-06, 2E-05)*	* *	-
Hazard Index	2E-05 *(8E-06, 4E-05)*	5E-04 *(7E-05, 1E-03)*	1E-03 *(2E-04, 1E-03)*	1E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	1E-07 *(5E-08, 3E-07)*	2E-06 *(1E-06, 4E-06)*	4E-06 *(2E-06, 1E-05)*	3E-05 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-05 *(4E-06, 4E-05)*	6E-05 *(4E-05, 9E-05)*	9E-05 *(5E-05, 1E-04)*[B]	1E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

[B] MACT BTF value greater than MACT standard, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit

HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D155. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-10 *(6E-11, 6E-10)*	9E-10 *	* *	* *	-
ARSENIC	4E-12 *(2E-12, 3E-11)*	2E-10 *	* *	* *	-
Additive Risk	4E-10 *(8E-11, 8E-10)*	9E-10 *(8E-10, 2E-09)*	1E-09 *(8E-10, 2E-09)*	2E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	6E-12 *(3E-12, 1E-11)*	1E-10 *(4E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	6E-10 *	-
ARSENIC	4E-11 *(1E-11, 2E-10)*	2E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 6E-09)*	8E-09 *	-
BERYLLIUM	1E-12 *(7E-13, 2E-12)*	1E-11 *(7E-12, 2E-11)*	3E-11 *(1E-11, 5E-11)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(1E-10, 5E-10)*	6E-10 *(3E-10, 9E-10)*	1E-09 *	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	2E-09 *(9E-10, 3E-09)*	4E-09 *(2E-09, 8E-09)*	1E-08 *	-
NICKEL	3E-12 *(2E-12, 6E-12)*	5E-11 *(2E-11, 9E-11)*	1E-10 *(4E-11, 2E-10)*	2E-10 *	-
Additive Risk	4E-10 *(2E-10, 7E-10)*	5E-09 *(3E-09, 7E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-09 *(5E-10, 7E-09)*	3E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 5E-07)*	4E-06 *	* *	* *	-
BARIUM	7E-10 *(4E-10, 2E-09)*	4E-08 *(1E-08, 5E-08)*	5E-08 *(3E-08, 6E-08)*	9E-08 *(6E-08, 2E-07)*	-
BERYLLIUM	1E-09 *(9E-10, 3E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	6E-08 *	-
CADMIUM	3E-07 *(2E-07, 9E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	8E-11 *(3E-11, 1E-10)*	2E-09 *(9E-10, 5E-09)*	6E-09 *(2E-09, 9E-09)*	2E-08 *(9E-09, 3E-08)*	-
CHROMIUM (VI)	2E-09 *(1E-09, 3E-09)*	8E-08 *	* *	* *	-
COBALT	3E-10 *(1E-10, 1E-09)*	3E-09 *	* *	* *	-
MANGANESE	9E-10 *(4E-10, 3E-09)*	8E-09 *	* *	* *	-
MERCURY (DIVALENT)	2E-08 *(9E-09, 8E-08)*	2E-06 *(4E-07, 5E-06)*	6E-06 *(1E-06, 1E-05)*	2E-05 *	-
MERCURY (METHYL)[a]	min: 8E-11	median: 2E-06	max: 7E-04		
NICKEL	1E-09 *(9E-10, 1E-09)*	3E-08 *	* *	* *	-
SELENIUM	9E-08 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	6E-10 *(3E-11, 4E-09)*	3E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 3E-07)*	2E-06 *(5E-07, 4E-06)*	4E-06 *(1E-06, 8E-06)*	* *	-
Hazard Index	1E-05 *(5E-06, 2E-05)*	3E-04 *(5E-05, 7E-04)*	7E-04 *(1E-04, 7E-04)*	7E-04 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	1E-07 *(5E-08, 3E-07)*	2E-06 *(1E-06, 4E-06)*	4E-06 *(2E-06, 1E-05)*	3E-05 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	7E-06 *(2E-06, 1E-05)*	2E-05 *	4E-05 *	6E-05 *	-
TCDD-TEQ	9E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 7E-05)*	7E-05 *(3E-05, 7E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D156. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-10 *(9E-11, 9E-10)*	1E-09 *	1E-09 *	3E-09 *	-
ARSENIC	6E-12 *(2E-12, 4E-11)*	3E-10 *	* *	* *	-
Additive Risk	7E-10 *(1E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(1E-09, 3E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	7E-12 *(4E-12, 1E-11)*	2E-10 *(5E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	7E-10 *	-
ARSENIC	4E-11 *(1E-11, 2E-10)*	3E-09 *(1E-09, 4E-09)*	5E-09 *(3E-09, 7E-09)*	9E-09 *	-
BERYLLIUM	2E-12 *(8E-13, 3E-12)*	2E-11 *(8E-12, 3E-11)*	3E-11 *(2E-11, 6E-11)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 4E-09)*	5E-09 *(2E-09, 9E-09)*	1E-08 *	-
NICKEL	4E-12 *(2E-12, 7E-12)*	6E-11 *(2E-11, 1E-10)*	1E-10 *(5E-11, 2E-10)*	3E-10 *	-
Additive Risk	4E-10 *(3E-10, 8E-10)*	6E-09 *(3E-09, 8E-09)*	1E-08 *(6E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-09 *(3E-10, 8E-09)*	3E-07 *	* *	* *	-
ARSENIC	7E-08 *(3E-08, 5E-07)*	4E-06 *	* *	* *	-
BARIUM	3E-10 *(2E-10, 9E-10)*	3E-08 *(6E-09, 4E-08)*	4E-08 *(2E-08, 5E-08)*	6E-08 *	-
BERYLLIUM	9E-10 *(8E-10, 3E-09)*	1E-08 *(6E-09, 3E-08)*	2E-08 *(9E-09, 4E-08)*	4E-08 *(1E-08, 5E-08)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	3E-11 *(1E-11, 9E-11)*	9E-10 *(3E-10, 2E-09)*	2E-09 *(9E-10, 4E-09)*	8E-09 *(4E-09, 1E-08)*	-
CHROMIUM (VI)	2E-09 *(1E-09, 4E-09)*	9E-08 *	* *	* *	-
COBALT	2E-10 *(9E-11, 1E-09)*	3E-09 *	* *	* *	-
MANGANESE	8E-10 *(3E-10, 4E-09)*	8E-09 *	* *	* *	-
MERCURY (DIVALENT)	9E-09 *(4E-09, 4E-08)*	1E-06 *(2E-07, 2E-06)*	2E-06 *(7E-07, 6E-06)*	9E-06 *	-
MERCURY (METHYL)[a]	min: 3E-11	median: 2E-06	max: 8E-04		
NICKEL	1E-09 *(8E-10, 1E-09)*	2E-08 *	* *	* *	-
SELENIUM	1E-07 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	7E-10 *(1E-11, 4E-09)*	3E-08 *	* *	* *	-
THALLIUM	8E-08 *(4E-08, 3E-07)*	3E-06 *(5E-07, 4E-06)*	4E-06 *	* *	-
Hazard Index	1E-05 *(4E-06, 3E-05)*	3E-04 *(4E-05, 8E-04)*	8E-04 *(2E-04, 8E-04)*	8E-04 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	1E-07 *(5E-08, 3E-07)*	2E-06 *(1E-06, 4E-06)*	4E-06 *(2E-06, 1E-05)*	3E-05 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-06 *(2E-06, 2E-05)*	3E-05 *	* *	* *	-
TCDD-TEQ	5E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 8E-05)*	8E-05 *(3E-05, 8E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D157. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-08 *(3E-08, 9E-08)*	3E-07 *	* *	* *	-
ARSENIC	1E-10 *(9E-11, 2E-10)*	3E-09 *	* *	* *	-
Additive Risk	7E-08 *(3E-08, 1E-07)*	3E-07 *(2E-07, 4E-07)*	4E-07 *(3E-07, 4E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 5E-10)*	1E-09 *(9E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	3E-10 *(2E-10, 4E-10)*	3E-09 *(1E-09, 5E-09)*	6E-09 *(2E-09, 7E-09)*	1E-08 *(9E-09, 1E-08)*	-
BERYLLIUM	3E-11 *(3E-11, 5E-11)*	3E-10 *(3E-10, 4E-10)*	5E-10 *(4E-10, 6E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	7E-10 *(6E-10, 9E-10)*	2E-09 *(2E-09, 2E-09)*	4E-09 *(4E-09, 4E-09)*	7E-08 *(7E-08, 7E-08)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 4E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *	-
NICKEL	6E-11 *(6E-11, 8E-11)*	9E-10 *(2E-10, 2E-09)*	2E-09 *(9E-10, 2E-09)*	7E-09 *(7E-09, 7E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-07 *(5E-07, 1E-06)*	4E-05 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 6E-06)*	7E-05 *	* *	* *	-
BARIUM	1E-06 *(9E-07, 1E-06)*	2E-05 *(8E-06, 7E-05)*	8E-05 *(2E-05, 1E-04)*	* *	-
BERYLLIUM	8E-07 *(5E-07, 9E-07)*	8E-06 *(5E-06, 1E-05)*	1E-05 *(8E-06, 2E-05)*	* *	-
CADMIUM	6E-05 *(4E-05, 1E-04)*	7E-04 *(6E-04, 7E-04)*	8E-04 *(8E-04, 8E-04)*	1E-03 *(1E-03, 1E-03)*	-
CHROMIUM (III)	2E-08 *(2E-08, 3E-08)*	2E-07 *(2E-07, 2E-07)*	4E-07 *(4E-07, 5E-07)*	* *	-
CHROMIUM (VI)	3E-08 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
COBALT	2E-08 *(2E-08, 3E-08)*	1E-07 *(1E-07, 2E-07)*	2E-07 *(2E-07, 2E-07)*	3E-07 *(3E-07, 3E-07)*	-
MANGANESE	3E-08 *(2E-08, 4E-08)*	6E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-04 *(9E-05, 2E-04)*	7E-04 *(5E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	8E-03 *	-
MERCURY (METHYL)[a]	min: 7E-05	median: 2E-02	max: 3E-01		
NICKEL	1E-07 *(7E-08, 2E-07)*	5E-06 *(9E-07, 5E-06)*	6E-06 *(6E-06, 6E-06)*	* *	-
SELENIUM	8E-05 *(6E-05, 9E-05)*	2E-03 *(4E-04, 3E-03)*	* *	* *	-
SILVER	4E-09 *(3E-09, 3E-08)*	2E-06 *(9E-08, 5E-06)*	8E-06 *(7E-06, 8E-06)*	* *	-
THALLIUM	6E-05 *(4E-05, 2E-04)*	5E-03 *(2E-03, 7E-03)*	8E-03 *(4E-03, 9E-03)*	* *	-
Hazard Index	3E-02 *(9E-03, 6E-02)*	8E-02 *(8E-02, 3E-01)*	3E-01 *(8E-02, 3E-01)*	3E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-03 *(1E-03, 5E-03)*	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D158. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-08 *(2E-08, 8E-08)*	3E-07 *	* *	* *	-
ARSENIC	7E-11 *(5E-11, 1E-10)*	2E-09 *	* *	* *	-
Additive Risk	7E-08 *(3E-08, 1E-07)*	3E-07 *(2E-07, 4E-07)*	4E-07 *(3E-07, 4E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-10 *(3E-10, 5E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(2E-09, 2E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	3E-10 *(2E-10, 5E-10)*	3E-09 *(1E-09, 6E-09)*	7E-09 *(3E-09, 8E-09)*	1E-08 *(1E-08, 1E-08)*	-
BERYLLIUM	4E-11 *(3E-11, 5E-11)*	4E-10 *(3E-10, 5E-10)*	6E-10 *(4E-10, 7E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	9E-10 *(7E-10, 1E-09)*	3E-09 *(3E-09, 3E-09)*	4E-09 *(4E-09, 4E-09)*	8E-08 *(8E-08, 8E-08)*	-
CHROMIUM (VI)	4E-10 *(2E-10, 5E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	3E-09 *	-
NICKEL	7E-11 *(6E-11, 9E-11)*	1E-09 *(2E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	8E-09 *(8E-09, 8E-09)*	-
Additive Risk	3E-09 *(2E-09, 3E-09)*	8E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(2E-07, 6E-07)*	2E-05 *	* *	* *	-
ARSENIC	1E-06 *(9E-07, 2E-06)*	4E-05 *	* *	* *	-
BARIUM	3E-07 *(2E-07, 4E-07)*	7E-06 *(2E-06, 2E-05)*	3E-05 *(5E-06, 4E-05)*	6E-05 *	-
BERYLLIUM	2E-07 *(1E-07, 3E-07)*	3E-06 *(1E-06, 6E-06)*	6E-06 *(2E-06, 8E-06)*	* *	-
CADMIUM	3E-05 *(2E-05, 6E-05)*	5E-04 *(5E-04, 5E-04)*	6E-04 *(6E-04, 6E-04)*	* *	-
CHROMIUM (III)	7E-09 *(5E-09, 8E-09)*	6E-08 *(5E-08, 7E-08)*	9E-08 *(9E-08, 1E-07)*	3E-07 *(3E-07, 3E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 5E-08)*	2E-07 *	* *	* *	-
COBALT	6E-09 *(5E-09, 7E-09)*	4E-08 *(4E-08, 5E-08)*	6E-08 *(5E-08, 6E-08)*	9E-08 *(8E-08, 9E-08)*	-
MANGANESE	9E-09 *(8E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	5E-05 *(2E-05, 7E-05)*	2E-04 *(1E-04, 3E-04)*	3E-04 *(2E-04, 5E-04)*	2E-03 *	-
MERCURY (METHYL)[a]	min: 5E-05	median: 1E-02	max: 2E-01		
NICKEL	5E-08 *(3E-08, 9E-08)*	2E-06 *(4E-07, 2E-06)*	3E-06 *(3E-06, 3E-06)*	9E-06 *(9E-06, 9E-06)*	-
SELENIUM	6E-05 *(5E-05, 7E-05)*	1E-03 *(3E-04, 2E-03)*	* *	* *	-
SILVER	2E-09 *(9E-10, 1E-08)*	1E-06 *(6E-08, 2E-06)*	4E-06 *(3E-06, 4E-06)*	* *	-
THALLIUM	4E-05 *(2E-05, 1E-04)*	3E-03 *	* *	* *	-
Hazard Index	2E-02 *(6E-03, 4E-02)*	6E-02 *(6E-02, 2E-01)*	2E-01 *(6E-02, 2E-01)*	2E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-03 *(8E-04, 4E-03)*	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D159. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-08 *(1E-08, 6E-08)*	* *	* *	* *	-
ARSENIC	4E-11 *(3E-11, 9E-11)*	1E-09 *	* *	* *	-
Additive Risk	4E-08 *(1E-08, 7E-08)*	2E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(2E-10, 3E-10)*	8E-10 *(7E-10, 9E-10)*	1E-09 *(1E-09, 1E-09)*	9E-09 *(9E-09, 9E-09)*	-
ARSENIC	2E-10 *(1E-10, 3E-10)*	2E-09 *(9E-10, 4E-09)*	5E-09 *(2E-09, 5E-09)*	8E-09 *(7E-09, 8E-09)*	-
BERYLLIUM	2E-11 *(2E-11, 3E-11)*	2E-10 *(2E-10, 3E-10)*	4E-10 *(3E-10, 4E-10)*	9E-10 *(9E-10, 9E-10)*	-
CADMIUM	6E-10 *(4E-10, 7E-10)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 3E-09)*	5E-08 *(5E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	1E-09 *(8E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *	-
NICKEL	5E-11 *(4E-11, 6E-11)*	7E-10 *(2E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	5E-09 *(5E-09, 5E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	5E-09 *(4E-09, 9E-09)*	1E-08 *(8E-09, 1E-08)*	7E-08 *(7E-08, 7E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(1E-07, 3E-07)*	1E-05 *	* *	* *	-
ARSENIC	7E-07 *(6E-07, 1E-06)*	2E-05 *	* *	* *	-
BARIUM	2E-07 *(1E-07, 2E-07)*	4E-06 *(1E-06, 1E-05)*	1E-05 *(3E-06, 2E-05)*	3E-05 *	-
BERYLLIUM	1E-07 *(9E-08, 1E-07)*	1E-06 *(7E-07, 3E-06)*	3E-06 *(1E-06, 4E-06)*	* *	-
CADMIUM	2E-05 *(1E-05, 3E-05)*	3E-04 *(2E-04, 3E-04)*	3E-04 *(3E-04, 3E-04)*	* *	-
CHROMIUM (III)	3E-09 *(3E-09, 4E-09)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(5E-08, 6E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	9E-09 *(5E-09, 2E-08)*	1E-07 *(9E-08, 3E-07)*	4E-07 *(1E-07, 6E-07)*	* *	-
COBALT	9E-09 *(7E-09, 1E-08)*	2E-07 *	* *	* *	-
MANGANESE	6E-09 *(4E-09, 9E-09)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-05 *(1E-05, 4E-05)*	1E-04 *(8E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	* *	-
MERCURY (METHYL)[a]	min: 3E-05	median: 7E-03	max: 1E-01		
NICKEL	3E-08 *(1E-08, 5E-08)*	1E-06 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	5E-04 *(2E-04, 7E-04)*	* *	* *	-
SILVER	9E-10 *(6E-10, 7E-09)*	9E-07 *(4E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	2E-05 *(1E-05, 8E-05)*	2E-03 *(6E-04, 3E-03)*	3E-03 *(1E-03, 4E-03)*	5E-03 *	-
Hazard Index	1E-02 *(3E-03, 2E-02)*	3E-02 *(3E-02, 1E-01)*	1E-01 *(3E-02, 1E-01)*	1E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	9E-04 *(4E-04, 1E-03)*	4E-03 *(3E-03, 4E-03)*	5E-03 *(4E-03, 5E-03)*	* *	-
TCDD-TEQ	1E-03 *(5E-04, 2E-03)*	6E-03 *(4E-03, 7E-03)*	7E-03 *(6E-03, 7E-03)*	7E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D160. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-08 *(2E-08, 7E-08)*	* *	* *	* *	-
ARSENIC	6E-11 *(5E-11, 9E-11)*	2E-09 *	* *	* *	-
Additive Risk	6E-08 *(2E-08, 1E-07)*	3E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 4E-10)*	9E-10 *(8E-10, 1E-09)*	1E-09 *(1E-09, 1E-09)*	1E-08 *(1E-08, 1E-08)*	-
ARSENIC	2E-10 *(2E-10, 4E-10)*	2E-09 *(1E-09, 4E-09)*	5E-09 *(2E-09, 6E-09)*	9E-09 *(8E-09, 9E-09)*	-
BERYLLIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(2E-10, 3E-10)*	4E-10 *(3E-10, 5E-10)*	1E-09 *(1E-09, 1E-09)*	-
CADMIUM	6E-10 *(5E-10, 8E-10)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 3E-09)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	3E-10 *(2E-10, 4E-10)*	1E-09 *(9E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	3E-09 *	-
NICKEL	5E-11 *(5E-11, 7E-11)*	8E-10 *(2E-10, 1E-09)*	2E-09 *(8E-10, 2E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(2E-09, 2E-09)*	6E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 1E-08)*	8E-08 *(8E-08, 8E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(1E-07, 2E-07)*	1E-05 *	* *	* *	-
ARSENIC	8E-07 *(6E-07, 2E-06)*	2E-05 *	* *	* *	-
BARIUM	9E-08 *(6E-08, 1E-07)*	1E-06 *(5E-07, 1E-05)*	1E-05 *(1E-06, 2E-05)*	2E-05 *	-
BERYLLIUM	7E-08 *(5E-08, 9E-08)*	9E-07 *(4E-07, 2E-06)*	2E-06 *(8E-07, 3E-06)*	* *	-
CADMIUM	2E-05 *(9E-06, 3E-05)*	3E-04 *(2E-04, 3E-04)*	3E-04 *(3E-04, 3E-04)*	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 1E-09)*	1E-08 *(9E-09, 1E-08)*	2E-08 *(2E-08, 2E-08)*	7E-08 *(7E-08, 7E-08)*	-
CHROMIUM (VI)	8E-09 *(5E-09, 2E-08)*	1E-07 *	* *	* *	-
COBALT	6E-09 *(4E-09, 9E-09)*	3E-07 *	* *	* *	-
MANGANESE	4E-09 *(3E-09, 6E-09)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	9E-06 *(5E-06, 1E-05)*	5E-05 *(4E-05, 7E-05)*	9E-05 *(5E-05, 1E-04)*	5E-04 *(1E-04, 7E-04)*	-
MERCURY (METHYL)[a]	min: 3E-05	median: 8E-03	max: 1E-01		
NICKEL	2E-08 *(1E-08, 5E-08)*	9E-07 *(2E-07, 1E-06)*	2E-06 *(2E-06, 2E-06)*	* *	-
SELENIUM	3E-05 *(2E-05, 4E-05)*	9E-04 *(2E-04, 1E-03)*	* *	* *	-
SILVER	9E-10 *(4E-10, 7E-09)*	9E-07 *(4E-08, 2E-06)*	3E-06 *(3E-06, 3E-06)*	* *	-
THALLIUM	2E-05 *(1E-05, 6E-05)*	2E-03 *	* *	* *	-
Hazard Index	2E-02 *(3E-03, 2E-02)*	4E-02 *(3E-02, 1E-01)*	1E-01 *(4E-02, 1E-01)*	1E-01 *	-
Non-Cancer - Inhalation					
BARIUM	1E-05 *(9E-06, 2E-05)*	3E-04 *(1E-04, 5E-04)*	5E-04 *(3E-04, 8E-04)*	1E-03 *	-
CHLORINE (CL2)	4E-04 *(2E-04, 5E-04)*	4E-03 *(3E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-03 *(8E-04, 1E-03)*	3E-03 *(3E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	6E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(2E-04, 2E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(5E-06, 1E-05)*	4E-05 *(3E-05, 5E-05)*	6E-05 *(5E-05, 6E-05)*	7E-05 *	-
Hazard Index	2E-03 *(1E-03, 2E-03)*	7E-03 *(5E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	2E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-04 *(5E-04, 1E-03)*	5E-03 *	* *	* *	-
TCDD-TEQ	1E-03 *(5E-04, 2E-03)*	7E-03 *(4E-03, 7E-03)*	7E-03 *(6E-03, 7E-03)*	8E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D161. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	7E-11 *	* *	* *	* *	-
Additive Risk	3E-08 *(3E-08, 8E-08)*	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(3E-11, 1E-09)*	1E-08 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 9E-10)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
BERYLLIUM	3E-11 *(3E-11, 1E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	6E-11 *(5E-11, 8E-09)*	6E-08 *(3E-08, 8E-08)*	1E-07 *(7E-08, 1E-07)*	* *	-
CHROMIUM (VI)	9E-10 *(8E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	* *	-
NICKEL	7E-11 *(6E-11, 9E-10)*	6E-09 *(3E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 1E-08)*	8E-08 *(4E-08, 1E-07)*	1E-07 *(9E-08, 2E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *	* *	* *	* *	-
ARSENIC	1E-06 *(8E-07, 2E-05)*	* *	* *	* *	-
BARIUM	6E-07 *(5E-07, 8E-07)*	4E-06 *	* *	* *	-
BERYLLIUM	9E-07 *(5E-07, 1E-06)*	* *	* *	* *	-
CADMIUM	9E-06 *	9E-04 *	* *	* *	-
CHROMIUM (III)	3E-08 *(9E-09, 5E-08)*	* *	* *	* *	-
CHROMIUM (VI)	1E-07 *(5E-08, 2E-07)*	3E-07 *	* *	* *	-
COBALT	2E-08 *(2E-08, 2E-08)*	2E-07 *	* *	* *	-
MANGANESE	9E-09 *(2E-09, 3E-07)*	7E-07 *(6E-07, 8E-07)*	* *	* *	-
MERCURY (DIVALENT)	6E-04 *(4E-04, 8E-04)*	7E-03 *(3E-03, 1E-02)*	* *	* *	-
MERCURY (METHYL)[b]	min: 8E-02	median: 2E-01	max: 3E-01		
NICKEL	1E-07 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	4E-09 *	* *	* *	* *	-
THALLIUM	7E-05 *	3E-04 *(2E-04, 3E-04)*	* *	* *	-
Hazard Index	3E-01 *(8E-02, 3E-01)*	3E-01 *(3E-01, 3E-01)*	3E-01 *(3E-01, 3E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D162. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	4E-11 *	* *	* *	* *	-
Additive Risk	3E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(3E-11, 2E-09)*	1E-08 *(5E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	2E-10 *(1E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	* *	-
BERYLLIUM	4E-11 *(3E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	7E-11 *(5E-11, 9E-09)*	7E-08 *(3E-08, 1E-07)*	1E-07 *(8E-08, 1E-07)*	* *	-
CHROMIUM (VI)	1E-09 *(1E-09, 1E-09)*	2E-09 *(2E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	* *	-
NICKEL	9E-11 *(7E-11, 1E-09)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(2E-09, 1E-08)*	1E-07 *(4E-08, 1E-07)*	2E-07 *(1E-07, 2E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *	* *	* *	* *	-
ARSENIC	7E-07 *	* *	* *	* *	-
BARIUM	2E-07 *(9E-08, 3E-07)*	9E-07 *(7E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	* *	-
BERYLLIUM	5E-07 *(2E-07, 6E-07)*	2E-06 *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	7E-09 *(2E-09, 1E-08)*	2E-07 *	* *	* *	-
CHROMIUM (VI)	5E-08 *	* *	* *	* *	-
COBALT	6E-09 *(5E-09, 6E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *	* *	* *	* *	-
MERCURY (DIVALENT)	2E-04 *(1E-04, 2E-04)*	2E-03 *(7E-04, 3E-03)*	* *	* *	-
MERCURY (METHYL)[b]	min: 6E-02	median: 1E-01	max: 2E-01		
NICKEL	4E-08 *(2E-08, 2E-06)*	9E-06 *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	8E-10 *	* *	* *	* *	-
THALLIUM	5E-05 *	* *	* *	* *	-
Hazard Index	2E-01 *(6E-02, 2E-01)*	2E-01 *(2E-01, 2E-01)*	2E-01 *(2E-01, 2E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	* *	* *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D163. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	1E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 1E-09)*	8E-09 *(3E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	* *	-
ARSENIC	1E-10 *(8E-11, 7E-10)*	5E-09 *(2E-09, 7E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
BERYLLIUM	2E-11 *(2E-11, 1E-10)*	8E-10 *(3E-10, 1E-09)*	1E-09 *(9E-10, 2E-09)*	* *	-
CADMIUM	4E-11 *(3E-11, 6E-09)*	4E-08 *(2E-08, 6E-08)*	7E-08 *(5E-08, 9E-08)*	* *	-
CHROMIUM (VI)	7E-10 *(6E-10, 7E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
NICKEL	6E-11 *(4E-11, 6E-10)*	5E-09 *(2E-09, 7E-09)*	8E-09 *(5E-09, 9E-09)*	* *	-
Additive Risk	1E-09 *(1E-09, 9E-09)*	6E-08 *(3E-08, 9E-08)*	1E-07 *(7E-08, 1E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(7E-08, 2E-07)*	* *	* *	* *	-
BERYLLIUM	3E-07 *(9E-08, 4E-07)*	* *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	4E-09 *(1E-09, 7E-09)*	1E-07 *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	1E-08 *	* *	* *	* *	-
MANGANESE	1E-09 *(3E-10, 6E-08)*	* *	* *	* *	-
MERCURY (DIVALENT)	9E-05 *(7E-05, 1E-04)*	* *	* *	* *	-
MERCURY (METHYL)[b]	min: 3E-02	median: 7E-02	max: 1E-01		
NICKEL	2E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	6E-10 *	* *	* *	* *	-
THALLIUM	2E-05 *	* *	* *	* *	-
Hazard Index	1E-01 *(3E-02, 1E-01)*	1E-01 *(1E-01, 1E-01)*	1E-01 *(1E-01, 1E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D164. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	* *	* *	* *	* *	-
ARSENIC	2E-11 *	* *	* *	* *	-
Additive Risk	2E-08 *	* *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 1E-09)*	9E-09 *(4E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
ARSENIC	1E-10 *(1E-10, 8E-10)*	6E-09 *(3E-09, 8E-09)*	1E-08 *(7E-09, 1E-08)*	* *	-
BERYLLIUM	3E-11 *(2E-11, 1E-10)*	9E-10 *(4E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	* *	-
CADMIUM	5E-11 *(4E-11, 7E-09)*	5E-08 *(2E-08, 7E-08)*	9E-08 *(6E-08, 1E-07)*	* *	-
CHROMIUM (VI)	8E-10 *(7E-10, 9E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	* *	-
NICKEL	6E-11 *(5E-11, 7E-10)*	5E-09 *(2E-09, 8E-09)*	9E-09 *(6E-09, 1E-08)*	* *	-
Additive Risk	1E-09 *(1E-09, 1E-08)*	7E-08 *(3E-08, 1E-07)*	1E-07 *(8E-08, 1E-07)*	* *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *	* *	* *	* *	-
ARSENIC	3E-07 *	* *	* *	* *	-
BARIUM	1E-07 *(2E-08, 1E-07)*	4E-07 *	* *	* *	-
BERYLLIUM	1E-07 *(6E-08, 3E-07)*	* *	* *	* *	-
CADMIUM	* *	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(5E-10, 3E-09)*	4E-08 *	* *	* *	-
CHROMIUM (VI)	2E-08 *	* *	* *	* *	-
COBALT	7E-09 *	* *	* *	* *	-
MANGANESE	6E-10 *	* *	* *	* *	-
MERCURY (DIVALENT)	5E-05 *(4E-05, 6E-05)*	5E-04 *(2E-04, 6E-04)*	7E-04 *(6E-04, 8E-04)*	* *	-
MERCURY (METHYL)[b]	min: 3E-02	median: 7E-02	max: 1E-01		
NICKEL	1E-08 *	* *	* *	* *	-
SELENIUM	* *	* *	* *	* *	-
SILVER	2E-10 *	* *	* *	* *	-
THALLIUM	3E-05 *	* *	* *	* *	-
Hazard Index	1E-01 *(3E-02, 1E-01)*	1E-01 *(1E-01, 1E-01)*	1E-01 *(1E-01, 1E-01)*	* *	-
Non-Cancer - Inhalation					
BARIUM	8E-06 *(6E-06, 2E-05)*	1E-04 *(7E-05, 2E-04)*	3E-04 *(2E-04, 3E-04)*	* *	-
CHLORINE (CL2)	6E-05 *(5E-05, 7E-05)*	1E-04 *(9E-05, 1E-04)*	1E-04 *(1E-04, 1E-04)*	* *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 3E-05)*	2E-04 *(9E-05, 3E-04)*	3E-04 *(2E-04, 4E-04)*	* *	-
MANGANESE	8E-06 *(7E-06, 1E-04)*	1E-03 *(5E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
MERCURY (ELEMENTAL)	1E-05 *(6E-06, 1E-05)*	2E-05 *(2E-05, 2E-05)*	2E-05 *(2E-05, 2E-05)*	* *	-
Hazard Index	2E-04 *(1E-04, 2E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	* *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	* *	* *	* *	* *	-
TCDD-TEQ	5E-04 *(5E-04, 4E-03)*	4E-03 *(4E-03, 4E-03)*	4E-03 *(4E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D165. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-08	8E-08	*	*	-
ARSENIC	3E-10	9E-10	*	*	-
Additive Risk	3E-08	8E-08	*	*	-
Cancer - Inhalation					
TCDD-TEQ	8E-10	4E-09	7E-09	*	-
ARSENIC	1E-09	5E-09	7E-09	*	-
BERYLLIUM	5E-11	3E-10	4E-10	*	-
CADMIUM	8E-10	4E-09	6E-09	*	-
CHROMIUM (VI)	6E-10	5E-09	7E-09	*	-
NICKEL	1E-10	3E-09	8E-09	*	-
Additive Risk	6E-09	2E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-06	7E-05	9E-05	*	-
ARSENIC	7E-06	2E-05	4E-05	*	-
BARIUM	2E-07	3E-06	5E-06	*	-
BERYLLIUM	3E-07	3E-06	8E-06	*	-
CADMIUM	1E-05	5E-05	7E-05	*	-
CHROMIUM (III)	3E-08	3E-07	4E-07	*	-
CHROMIUM (VI)	9E-08	7E-07	9E-07	*	-
COBALT	1E-08	9E-08	1E-07	*	-
MANGANESE	4E-08	9E-08	1E-07	*	-
MERCURY (DIVALENT)	5E-05	6E-04	9E-04	*	-
MERCURY (METHYL)[b]	min: 4E-04	median: 2E-03	max: 2E-02		
NICKEL	3E-07	4E-06	6E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	6E-08	*	*	*	-
THALLIUM	1E-05	2E-05	3E-05	*	-
Hazard Index	2E-03	2E-02	2E-02	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-03	5E-03	7E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D166. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-08	7E-08	9E-08	*	-
ARSENIC	1E-10	6E-10	8E-10	*	-
Additive Risk	2E-08	7E-08	9E-08	*	-
Cancer - Inhalation					
TCDD-TEQ	1E-09	4E-09	8E-09	*	-
ARSENIC	1E-09	6E-09	8E-09	*	-
BERYLLIUM	6E-11	3E-10	5E-10	*	-
CADMIUM	9E-10	4E-09	7E-09	*	-
CHROMIUM (VI)	7E-10	5E-09	7E-09	*	-
NICKEL	1E-10	4E-09	9E-09	*	-
Additive Risk	7E-09	2E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	4E-06	*	*	*	-
ARSENIC	3E-06	1E-05	*	*	-
BARIUM	7E-08	9E-07	1E-06	*	-
BERYLLIUM	9E-08	9E-07	2E-06	*	-
CADMIUM	6E-06	3E-05	*	*	-
CHROMIUM (III)	8E-09	8E-08	1E-07	*	-
CHROMIUM (VI)	5E-08	3E-07	4E-07	*	-
COBALT	3E-09	2E-08	*	*	-
MANGANESE	2E-08	4E-08	5E-08	*	-
MERCURY (DIVALENT)	1E-05	1E-04	2E-04	*	-
MERCURY (METHYL)[b]	min: 3E-04	median: 1E-03	max: 1E-02		
NICKEL	2E-07	2E-06	3E-06	*	-
SELENIUM	1E-06	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	5E-06	1E-05	*	*	-
Hazard Index	1E-03	1E-02	1E-02	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-04	3E-03	*	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D167. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-08	6E-08	7E-08	*	-
ARSENIC	1E-10	4E-10	4E-10	*	-
Additive Risk	1E-08	7E-08	7E-08	*	-
Cancer - Inhalation					
TCDD-TEQ	6E-10	3E-09	5E-09	*	-
ARSENIC	9E-10	4E-09	5E-09	*	-
BERYLLIUM	4E-11	2E-10	3E-10	*	-
CADMIUM	6E-10	3E-09	4E-09	*	-
CHROMIUM (VI)	5E-10	3E-09	5E-09	*	-
NICKEL	9E-11	2E-09	6E-09	*	-
Additive Risk	4E-09	1E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	*	*	*	-
ARSENIC	2E-06	7E-06	8E-06	*	-
BARIUM	4E-08	5E-07	7E-07	*	-
BERYLLIUM	6E-08	5E-07	9E-07	*	-
CADMIUM	4E-06	*	*	*	-
CHROMIUM (III)	4E-09	4E-08	6E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	5E-08	5E-08	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	7E-06	8E-05	1E-04	*	-
MERCURY (METHYL)[b]	min: 1E-04	median: 6E-04	max: 7E-03		
NICKEL	9E-08	*	*	*	-
SELENIUM	7E-07	*	*	*	-
SILVER	2E-08	*	*	*	-
THALLIUM	2E-06	8E-06	*	*	-
Hazard Index	6E-04	7E-03	7E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	3E-04	*	*	*	-
TCDD-TEQ	4E-04	2E-03	2E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D168. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+): Lightweight Aggregate Kilns[a]

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-08	*	*	*	-
ARSENIC	2E-10	6E-10	7E-10	*	-
Additive Risk	2E-08	*	*	*	-
Cancer - Inhalation					
TCDD-TEQ	7E-10	3E-09	6E-09	*	-
ARSENIC	1E-09	5E-09	6E-09	*	-
BERYLLIUM	4E-11	2E-10	3E-10	*	-
CADMIUM	7E-10	3E-09	5E-09	*	-
CHROMIUM (VI)	5E-10	4E-09	5E-09	*	-
NICKEL	1E-10	3E-09	7E-09	*	-
Additive Risk	5E-09	1E-08	2E-08	*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-06	3E-05	*	*	-
ARSENIC	2E-06	8E-06	8E-06	*	-
BARIUM	2E-08	2E-07	3E-07	*	-
BERYLLIUM	4E-08	2E-07	5E-07	*	-
CADMIUM	3E-06	*	*	*	-
CHROMIUM (III)	1E-09	1E-08	2E-08	*	-
CHROMIUM (VI)	3E-08	*	*	*	-
COBALT	2E-08	*	*	*	-
MANGANESE	1E-08	3E-08	3E-08	*	-
MERCURY (DIVALENT)	3E-06	3E-05	6E-05	*	-
MERCURY (METHYL)[b]	min: 2E-04	median: 7E-04	max: 8E-03		
NICKEL	1E-07	*	*	*	-
SELENIUM	6E-07	*	*	*	-
SILVER	3E-08	*	*	*	-
THALLIUM	2E-06	9E-06	*	*	-
Hazard Index	7E-04	8E-03	8E-03	*	-
Non-Cancer - Inhalation					
BARIUM	7E-06	6E-05	1E-04	*	-
CHLORINE (CL2)	1E-04	1E-03	3E-03	*	-
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*	-
MANGANESE	6E-05	2E-04	2E-04	*	-
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*	-
Hazard Index	4E-03	1E-02	2E-02	*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	4E-04	1E-03	2E-03	*	-
TCDD-TEQ	4E-04	2E-03	2E-03	*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.

[b] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D169. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(9E-10, 2E-09)*	4E-08 *(1E-08, 6E-08)*	7E-08 *(4E-08, 1E-07)*	* *	-
ARSENIC	4E-11 *(1E-11, 8E-11)*	9E-10 *(5E-10, 3E-09)*	6E-09 *(1E-09, 1E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	4E-08 *(2E-08, 6E-08)*	7E-08 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(2E-11, 6E-11)*	7E-10 *(5E-10, 8E-10)*	1E-09 *(9E-10, 1E-09)*	3E-09 *	-
ARSENIC	2E-10 *(8E-11, 4E-10)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *(3E-08, 5E-08)*	-
BERYLLIUM	5E-12 *(3E-12, 7E-12)*	2E-10 *(7E-11, 3E-10)*	5E-10 *(2E-10, 8E-10)*	1E-09 *	-
CADMIUM	9E-11 *(6E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 8E-09)*	3E-08 *	-
CHROMIUM (VI)	6E-10 *(3E-10, 8E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(1E-11, 3E-11)*	5E-10 *(3E-10, 6E-10)*	1E-09 *(7E-10, 1E-09)*	4E-09 *(3E-09, 5E-09)*	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-08 *(2E-08, 2E-07)*	2E-04 *(9E-06, 1E-03)*	2E-03 *(2E-04, 3E-03)*	* *	-
ARSENIC	9E-07 *(3E-07, 2E-06)*	2E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 4E-04)*	* *	-
BARIUM	3E-08 *(1E-08, 4E-08)*	5E-07 *(4E-07, 7E-07)*	1E-06 *(9E-07, 2E-06)*	9E-06 *(5E-06, 9E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 3E-08)*	7E-07 *(3E-07, 1E-06)*	2E-06 *(9E-07, 9E-06)*	3E-05 *(7E-06, 3E-05)*	-
CADMIUM	2E-06 *(1E-06, 3E-06)*	7E-05 *(2E-05, 3E-04)*	3E-04 *(9E-05, 5E-04)*	6E-04 *(4E-04, 6E-04)*	-
CHROMIUM (III)	3E-09 *(1E-09, 4E-09)*	7E-08 *(5E-08, 9E-08)*	1E-07 *(9E-08, 1E-07)*	4E-07 *(3E-07, 4E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 4E-08)*	2E-06 *(5E-07, 9E-06)*	1E-05 *(2E-06, 3E-05)*	* *	-
COBALT	8E-10 *(6E-10, 9E-10)*	1E-08 *(1E-08, 1E-08)*	3E-08 *(2E-08, 3E-08)*	7E-08 *(6E-08, 9E-08)*	-
MANGANESE	1E-08 *(7E-09, 1E-08)*	3E-07 *(1E-07, 5E-07)*	6E-07 *(3E-07, 8E-07)*	9E-07 *	-
MERCURY (DIVALENT)	1E-06 *(7E-07, 2E-06)*	6E-05 *(3E-05, 1E-04)*	2E-04 *(7E-05, 4E-04)*	1E-03 *(5E-04, 2E-03)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	9E-09 *(5E-09, 1E-08)*	1E-06 *(5E-07, 4E-06)*	4E-06 *(1E-06, 6E-06)*	1E-05 *(3E-06, 2E-05)*	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(1E-05, 5E-05)*	9E-05 *(2E-05, 2E-04)*	* *	-
SILVER	1E-09 *(9E-10, 5E-09)*	4E-07 *(9E-08, 7E-07)*	9E-07 *(4E-07, 2E-06)*	* *	-
THALLIUM	7E-07 *(4E-07, 9E-07)*	2E-05 *(1E-05, 4E-05)*	8E-05 *(3E-05, 4E-04)*	9E-04 *(2E-04, 9E-04)*	-
Hazard Index	8E-05 *(4E-05, 1E-04)*	5E-03 *(2E-03, 8E-03)*	1E-02 *(4E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	5E-05 *(4E-05, 7E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-05 *(5E-05, 8E-05)*	1E-03 *(8E-04, 3E-03)*	3E-03 *(2E-03, 6E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D170. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(9E-10, 2E-09)*	3E-08 *(1E-08, 6E-08)*	7E-08 *(3E-08, 1E-07)*	* *	-
ARSENIC	2E-11 *(9E-12, 5E-11)*	6E-10 *(3E-10, 2E-09)*	3E-09 *(8E-10, 9E-09)*	* *	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	4E-08 *(2E-08, 6E-08)*	8E-08 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 7E-11)*	8E-10 *(6E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	3E-09 *	-
ARSENIC	2E-10 *(1E-10, 4E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	-
BERYLLIUM	5E-12 *(4E-12, 8E-12)*	2E-10 *(8E-11, 4E-10)*	5E-10 *(2E-10, 9E-10)*	2E-09 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(3E-09, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	6E-10 *(4E-10, 1E-09)*	1E-08 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(1E-11, 4E-11)*	5E-10 *(3E-10, 7E-10)*	1E-09 *(8E-10, 2E-09)*	4E-09 *(3E-09, 5E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(9E-09, 9E-08)*	7E-05 *(4E-06, 4E-04)*	7E-04 *(7E-05, 1E-03)*	* *	-
ARSENIC	4E-07 *(1E-07, 9E-07)*	1E-05 *(6E-06, 4E-05)*	6E-05 *(1E-05, 2E-04)*	* *	-
BARIUM	9E-09 *(5E-09, 1E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(2E-07, 6E-07)*	2E-06 *(1E-06, 3E-06)*	-
BERYLLIUM	7E-09 *(5E-09, 1E-08)*	2E-07 *(1E-07, 4E-07)*	7E-07 *(3E-07, 3E-06)*	* *	-
CADMIUM	1E-06 *(8E-07, 2E-06)*	4E-05 *(1E-05, 2E-04)*	2E-04 *	* *	-
CHROMIUM (III)	7E-10 *(4E-10, 9E-10)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	1E-07 *(9E-08, 1E-07)*	-
CHROMIUM (VI)	8E-09 *(4E-09, 1E-08)*	9E-07 *(2E-07, 4E-06)*	5E-06 *	* *	-
COBALT	2E-10 *(1E-10, 3E-10)*	4E-09 *(3E-09, 5E-09)*	7E-09 *(6E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
MANGANESE	4E-09 *(2E-09, 7E-09)*	1E-07 *(5E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	5E-07 *(3E-07, 8E-07)*	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 7E-07)*	1E-05 *(8E-06, 3E-05)*	6E-05 *(2E-05, 9E-05)*	3E-04 *(1E-04, 5E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	3E-09 *(2E-09, 7E-09)*	6E-07 *(2E-07, 2E-06)*	2E-06 *(6E-07, 3E-06)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	6E-05 *(2E-05, 9E-05)*	* *	-
SILVER	8E-10 *(3E-10, 1E-09)*	2E-07 *(6E-08, 5E-07)*	6E-07 *(2E-07, 9E-07)*	* *	-
THALLIUM	4E-07 *(2E-07, 7E-07)*	1E-05 *(7E-06, 2E-05)*	5E-05 *(1E-05, 2E-04)*	7E-04 *(1E-04, 7E-04)*	-
Hazard Index	5E-05 *(2E-05, 7E-05)*	3E-03 *(1E-03, 6E-03)*	8E-03 *(3E-03, 8E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	5E-05 *(4E-05, 7E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	4E-05 *(3E-05, 6E-05)*	1E-03 *(4E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D171. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-10 *(4E-10, 9E-10)*	1E-08 *(7E-09, 3E-08)*	3E-08 *(2E-08, 6E-08)*	* *	-
ARSENIC	1E-11 *(5E-12, 3E-11)*	4E-10 *(2E-10, 1E-09)*	2E-09 *(4E-10, 8E-09)*	* *	-
Additive Risk	8E-10 *(6E-10, 1E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(2E-08, 7E-08)*	2E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 5E-11)*	5E-10 *(4E-10, 6E-10)*	9E-10 *(7E-10, 1E-09)*	2E-09 *	-
ARSENIC	2E-10 *(6E-11, 3E-10)*	6E-09 *(4E-09, 7E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *(3E-08, 4E-08)*	-
BERYLLIUM	3E-12 *(2E-12, 5E-12)*	1E-10 *(5E-11, 3E-10)*	4E-10 *(1E-10, 6E-10)*	1E-09 *	-
CADMIUM	7E-11 *(5E-11, 1E-10)*	1E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(2E-10, 6E-10)*	7E-09 *(5E-09, 8E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(8E-12, 2E-11)*	3E-10 *(2E-10, 5E-10)*	8E-10 *(5E-10, 1E-09)*	3E-09 *(2E-09, 3E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(6E-09, 6E-08)*	4E-05 *(2E-06, 3E-04)*	7E-04 *(4E-05, 9E-04)*	* *	-
ARSENIC	2E-07 *(9E-08, 5E-07)*	7E-06 *(4E-06, 2E-05)*	4E-05 *	* *	-
BARIUM	5E-09 *(2E-09, 8E-09)*	8E-08 *(6E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	1E-06 *(6E-07, 1E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	1E-07 *(6E-08, 2E-07)*	4E-07 *(1E-07, 1E-06)*	* *	-
CADMIUM	8E-07 *(4E-07, 1E-06)*	2E-05 *(7E-06, 9E-05)*	1E-04 *	* *	-
CHROMIUM (III)	4E-10 *(2E-10, 6E-10)*	9E-09 *(8E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *(4E-08, 6E-08)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	8E-07 *(1E-07, 3E-06)*	4E-06 *	* *	-
COBALT	8E-10 *(4E-10, 1E-09)*	4E-08 *(1E-08, 8E-08)*	8E-08 *(4E-08, 9E-08)*	1E-07 *	-
MANGANESE	2E-09 *(1E-09, 4E-09)*	8E-08 *(3E-08, 2E-07)*	2E-07 *(8E-08, 2E-07)*	3E-07 *	-
MERCURY (DIVALENT)	2E-07 *(9E-08, 4E-07)*	9E-06 *(4E-06, 1E-05)*	3E-05 *(1E-05, 6E-05)*	2E-04 *(8E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 8E-06	max: 4E-03		
NICKEL	2E-09 *(1E-09, 4E-09)*	4E-07 *(1E-07, 1E-06)*	1E-06 *(3E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(4E-06, 2E-05)*	3E-05 *(9E-06, 6E-05)*	* *	-
SILVER	5E-10 *(1E-10, 8E-10)*	2E-07 *(4E-08, 3E-07)*	4E-07 *(2E-07, 5E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	7E-06 *(3E-06, 1E-05)*	3E-05 *(9E-06, 1E-04)*	4E-04 *(7E-05, 4E-04)*	-
Hazard Index	2E-05 *(1E-05, 4E-05)*	2E-03 *(6E-04, 3E-03)*	4E-03 *(1E-03, 4E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	5E-05 *(4E-05, 7E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(1E-05, 2E-05)*	6E-04 *(2E-04, 8E-04)*	9E-04 *(6E-04, 1E-03)*	* *	-
TCDD-TEQ	3E-05 *(2E-05, 3E-05)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D172. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(7E-10, 1E-09)*	3E-08 *(1E-08, 5E-08)*	6E-08 *(3E-08, 9E-08)*	* *	-
ARSENIC	2E-11 *(8E-12, 4E-11)*	6E-10 *(2E-10, 1E-09)*	3E-09 *	* *	-
Additive Risk	1E-09 *(8E-10, 1E-09)*	4E-08 *(1E-08, 5E-08)*	7E-08 *(4E-08, 1E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	4E-11 *(2E-11, 5E-11)*	6E-10 *(4E-10, 7E-10)*	1E-09 *(8E-10, 1E-09)*	2E-09 *	-
ARSENIC	2E-10 *(7E-11, 3E-10)*	7E-09 *(4E-09, 8E-09)*	1E-08 *(9E-09, 2E-08)*	4E-08 *(3E-08, 4E-08)*	-
BERYLLIUM	4E-12 *(3E-12, 6E-12)*	1E-10 *(6E-11, 3E-10)*	4E-10 *(2E-10, 7E-10)*	1E-09 *	-
CADMIUM	8E-11 *(5E-11, 1E-10)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(2E-09, 7E-09)*	3E-08 *	-
CHROMIUM (VI)	5E-10 *(3E-10, 7E-10)*	8E-09 *(5E-09, 9E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(9E-12, 3E-11)*	4E-10 *(2E-10, 5E-10)*	9E-10 *(6E-10, 1E-09)*	3E-09 *(2E-09, 4E-09)*	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	7E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(4E-09, 5E-08)*	5E-05 *(2E-06, 4E-04)*	8E-04 *(5E-05, 1E-03)*	* *	-
ARSENIC	2E-07 *(9E-08, 4E-07)*	7E-06 *(3E-06, 2E-05)*	4E-05 *(7E-06, 1E-04)*	* *	-
BARIUM	2E-09 *(1E-09, 4E-09)*	6E-08 *(3E-08, 8E-08)*	1E-07 *(7E-08, 1E-07)*	5E-07 *(3E-07, 6E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 4E-09)*	8E-08 *(4E-08, 1E-07)*	2E-07 *(9E-08, 9E-07)*	* *	-
CADMIUM	8E-07 *(4E-07, 1E-06)*	2E-05 *(7E-06, 8E-05)*	1E-04 *	* *	-
CHROMIUM (III)	1E-10 *(9E-11, 2E-10)*	4E-09 *(3E-09, 5E-09)*	8E-09 *(6E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	9E-07 *(1E-07, 3E-06)*	4E-06 *(9E-07, 8E-06)*	* *	-
COBALT	6E-10 *(3E-10, 1E-09)*	5E-08 *(9E-09, 9E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *	-
MANGANESE	1E-09 *(9E-10, 3E-09)*	1E-07 *(3E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	4E-07 *	-
MERCURY (DIVALENT)	9E-08 *(5E-08, 1E-07)*	3E-06 *(1E-06, 8E-06)*	1E-05 *(4E-06, 2E-05)*	7E-05 *(3E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 8E-06	max: 5E-03		
NICKEL	2E-09 *(1E-09, 3E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(4E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 5E-07)*	1E-05 *(5E-06, 2E-05)*	4E-05 *(1E-05, 7E-05)*	* *	-
SILVER	6E-10 *(1E-10, 9E-10)*	2E-07 *(4E-08, 4E-07)*	5E-07 *(2E-07, 6E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	8E-06 *(3E-06, 1E-05)*	3E-05 *(9E-06, 1E-04)*	4E-04 *(7E-05, 4E-04)*	-
Hazard Index	3E-05 *(1E-05, 4E-05)*	2E-03 *(6E-04, 3E-03)*	5E-03 *(1E-03, 5E-03)*	6E-03 *(3E-03, 6E-03)*	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(7E-07, 2E-06)*	2E-05 *(2E-05, 4E-05)*	5E-05 *(4E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	4E-04 *(3E-04, 7E-04)*	7E-03 *(5E-03, 1E-02)*	1E-02 *(1E-02, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	9E-04 *(7E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	4E-03 *	-
MANGANESE	4E-05 *(3E-05, 5E-05)*	4E-04 *(3E-04, 5E-04)*	7E-04 *(5E-04, 8E-04)*	2E-03 *(1E-03, 2E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	5E-05 *(4E-05, 7E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *	-
Hazard Index	8E-04 *(6E-04, 1E-03)*	8E-03 *(6E-03, 1E-02)*	2E-02 *(1E-02, 2E-02)*	4E-02 *(4E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 3E-05)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	* *	-
TCDD-TEQ	3E-05 *(2E-05, 3E-05)*	9E-04 *(2E-04, 1E-03)*	2E-03 *(9E-04, 2E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D173. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 2E-09)*	1E-08 *	* *	* *	-
ARSENIC	5E-12 *(8E-13, 2E-11)*	3E-09 *(5E-11, 4E-09)*	4E-09 *(7E-10, 4E-09)*	7E-09 *	-
Additive Risk	2E-09 *(2E-09, 2E-09)*	1E-08 *(3E-09, 2E-08)*	2E-08 *(1E-08, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 6E-11)*	5E-10 *(9E-11, 1E-09)*	1E-09 *(3E-10, 2E-09)*	2E-09 *	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	1E-08 *(6E-10, 2E-08)*	3E-08 *(6E-09, 4E-08)*	9E-08 *(5E-08, 1E-07)*	-
BERYLLIUM	4E-12 *(2E-12, 8E-12)*	4E-11 *(1E-11, 6E-11)*	6E-11 *(3E-11, 1E-10)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	5E-10 *(9E-11, 3E-09)*	5E-09 *(4E-10, 9E-09)*	4E-08 *(1E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	9E-09 *(3E-09, 1E-08)*	-
NICKEL	1E-11 *(5E-12, 4E-11)*	5E-10 *(2E-10, 1E-09)*	2E-09 *(3E-10, 3E-09)*	7E-09 *(5E-09, 8E-09)*	-
Additive Risk	4E-10 *(3E-10, 1E-09)*	2E-08 *(2E-09, 3E-08)*	4E-08 *(1E-08, 6E-08)*	1E-07 *(8E-08, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-08 *(1E-08, 3E-07)*	2E-05 *	* *	* *	-
ARSENIC	8E-08 *(2E-08, 5E-07)*	8E-05 *(1E-06, 9E-05)*	9E-05 *(1E-05, 1E-04)*	1E-04 *(8E-05, 2E-04)*	-
BARIUM	1E-08 *(2E-09, 5E-08)*	9E-07 *(3E-07, 2E-06)*	3E-06 *(5E-07, 4E-06)*	9E-06 *(4E-06, 1E-05)*	-
BERYLLIUM	1E-08 *(7E-09, 3E-08)*	2E-07 *(5E-08, 6E-07)*	6E-07 *(1E-07, 9E-07)*	* *	-
CADMIUM	1E-06 *(8E-07, 4E-06)*	2E-05 *(4E-06, 6E-05)*	1E-04 *(6E-06, 3E-04)*	4E-04 *	-
CHROMIUM (III)	2E-10 *(8E-11, 1E-09)*	4E-08 *(7E-09, 9E-08)*	1E-07 *(3E-08, 2E-07)*	6E-07 *(4E-07, 7E-07)*	-
CHROMIUM (VI)	9E-09 *(4E-09, 9E-09)*	3E-08 *(1E-08, 4E-08)*	5E-08 *(2E-08, 5E-08)*	1E-07 *(6E-08, 2E-07)*	-
COBALT	9E-10 *(4E-10, 2E-09)*	2E-08 *(6E-09, 5E-08)*	6E-08 *(9E-09, 8E-08)*	2E-07 *(9E-08, 2E-07)*	-
MANGANESE	1E-08 *(2E-09, 2E-08)*	3E-07 *(3E-08, 5E-07)*	6E-07 *(5E-08, 7E-07)*	9E-07 *	-
MERCURY (DIVALENT)	1E-07 *(5E-08, 2E-06)*	6E-05 *(4E-06, 2E-04)*	2E-04 *(1E-05, 5E-04)*	9E-04 *	-
MERCURY (METHYL)[a]	min: 3E-08	median: 6E-05	max: 6E-03		
NICKEL	6E-09 *(4E-09, 1E-08)*	9E-07 *(3E-08, 1E-06)*	1E-06 *(9E-08, 1E-06)*	2E-06 *(1E-06, 3E-06)*	-
SELENIUM	4E-07 *(5E-08, 9E-07)*	7E-06 *(9E-07, 2E-05)*	* *	* *	-
SILVER	1E-09 *(1E-10, 2E-09)*	5E-08 *	* *	* *	-
THALLIUM	8E-07 *(2E-07, 9E-07)*	7E-05 *(1E-06, 1E-04)*	3E-04 *(6E-05, 7E-04)*	1E-03 *(9E-04, 2E-03)*	-
Hazard Index	2E-05 *(5E-06, 9E-05)*	4E-03 *(1E-04, 5E-03)*	5E-03 *(1E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	4E-05 *(4E-06, 1E-04)*	1E-04 *(1E-05, 3E-04)*	4E-04 *(2E-04, 5E-04)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	7E-05 *(6E-05, 7E-05)*	6E-04 *(8E-05, 8E-04)*	8E-04 *(3E-04, 9E-04)*	9E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D174. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 2E-09)*	9E-09 *	* *	* *	-
ARSENIC	4E-12 *(6E-13, 1E-11)*	2E-09 *(2E-11, 3E-09)*	3E-09 *(2E-10, 3E-09)*	4E-09 *(1E-09, 4E-09)*	-
Additive Risk	2E-09 *(2E-09, 2E-09)*	1E-08 *(2E-09, 2E-08)*	2E-08 *(5E-09, 2E-08)*	2E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 7E-11)*	6E-10 *(1E-10, 1E-09)*	1E-09 *(3E-10, 2E-09)*	2E-09 *	-
ARSENIC	3E-11 *(1E-11, 2E-10)*	1E-08 *(6E-10, 2E-08)*	3E-08 *(7E-09, 4E-08)*	1E-07 *(5E-08, 1E-07)*	-
BERYLLIUM	5E-12 *(3E-12, 9E-12)*	4E-11 *(1E-11, 7E-11)*	7E-11 *(3E-11, 1E-10)*	2E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	6E-10 *(1E-10, 3E-09)*	6E-09 *(5E-10, 1E-08)*	5E-08 *(2E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(2E-09, 3E-09)*	1E-08 *(4E-09, 1E-08)*	-
NICKEL	1E-11 *(5E-12, 5E-11)*	6E-10 *(2E-10, 1E-09)*	2E-09 *(4E-10, 4E-09)*	8E-09 *(6E-09, 9E-09)*	-
Additive Risk	4E-10 *(3E-10, 2E-09)*	2E-08 *(3E-09, 4E-08)*	4E-08 *(1E-08, 7E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(9E-09, 1E-07)*	8E-06 *	* *	* *	-
ARSENIC	8E-08 *(9E-09, 2E-07)*	3E-05 *(4E-07, 5E-05)*	5E-05 *(4E-06, 5E-05)*	7E-05 *(3E-05, 7E-05)*	-
BARIUM	3E-09 *(5E-10, 1E-08)*	2E-07 *(9E-08, 6E-07)*	7E-07 *(1E-07, 1E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	6E-09 *(3E-09, 9E-09)*	6E-08 *(2E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	4E-07 *	-
CADMIUM	7E-07 *(6E-07, 2E-06)*	8E-06 *(2E-06, 3E-05)*	* *	* *	-
CHROMIUM (III)	6E-11 *(3E-11, 3E-10)*	1E-08 *(1E-09, 2E-08)*	3E-08 *(8E-09, 6E-08)*	1E-07 *(9E-08, 2E-07)*	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *(9E-09, 3E-08)*	4E-08 *(2E-08, 5E-08)*	-
COBALT	3E-10 *(1E-10, 5E-10)*	5E-09 *(1E-09, 1E-08)*	1E-08 *(3E-09, 2E-08)*	5E-08 *(2E-08, 6E-08)*	-
MANGANESE	6E-09 *(8E-10, 8E-09)*	8E-08 *(9E-09, 3E-07)*	3E-07 *(2E-08, 3E-07)*	4E-07 *	-
MERCURY (DIVALENT)	4E-08 *(1E-08, 6E-07)*	1E-05 *(1E-06, 5E-05)*	5E-05 *(4E-06, 1E-04)*	3E-04 *	-
MERCURY (METHYL)[a]	min: 9E-09	median: 5E-05	max: 4E-03		
NICKEL	3E-09 *(2E-09, 7E-09)*	4E-07 *(9E-09, 6E-07)*	6E-07 *(5E-08, 7E-07)*	8E-07 *(4E-07, 8E-07)*	-
SELENIUM	3E-07 *(4E-08, 7E-07)*	5E-06 *(8E-07, 9E-06)*	* *	* *	-
SILVER	8E-10 *(4E-11, 9E-10)*	2E-08 *	* *	* *	-
THALLIUM	3E-07 *(1E-07, 6E-07)*	3E-05 *(8E-07, 6E-05)*	2E-04 *(2E-05, 8E-04)*	* *	-
Hazard Index	1E-05 *(3E-06, 7E-05)*	3E-03 *(7E-05, 4E-03)*	4E-03 *(9E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	4E-05 *(4E-06, 1E-04)*	1E-04 *(1E-05, 3E-04)*	4E-04 *(2E-04, 5E-04)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(4E-05, 6E-05)*	4E-04 *(6E-05, 5E-04)*	5E-04 *(1E-04, 6E-04)*	6E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D175. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	8E-10 *(7E-10, 9E-10)*	5E-09 *	* *	* *	-
ARSENIC	2E-12 *(3E-13, 7E-12)*	9E-10 *(1E-11, 1E-09)*	1E-09 *(1E-10, 2E-09)*	2E-09 *(9E-10, 2E-09)*	-
Additive Risk	9E-10 *(8E-10, 9E-10)*	6E-09 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(7E-12, 4E-11)*	4E-10 *(6E-11, 7E-10)*	9E-10 *(2E-10, 1E-09)*	1E-09 *	-
ARSENIC	2E-11 *(9E-12, 1E-10)*	8E-09 *(4E-10, 1E-08)*	2E-08 *(5E-09, 3E-08)*	7E-08 *(4E-08, 8E-08)*	-
BERYLLIUM	3E-12 *(2E-12, 6E-12)*	3E-11 *(9E-12, 4E-11)*	5E-11 *(2E-11, 8E-11)*	1E-10 *	-
CADMIUM	2E-11 *(1E-11, 3E-11)*	4E-10 *(7E-11, 2E-09)*	4E-09 *(3E-10, 7E-09)*	3E-08 *(1E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(8E-11, 2E-10)*	9E-10 *(5E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	7E-09 *(3E-09, 8E-09)*	-
NICKEL	9E-12 *(3E-12, 3E-11)*	4E-10 *(1E-10, 9E-10)*	1E-09 *(2E-10, 2E-09)*	5E-09 *(4E-09, 6E-09)*	-
Additive Risk	3E-10 *(2E-10, 1E-09)*	1E-08 *(2E-09, 3E-08)*	3E-08 *(9E-09, 4E-08)*	8E-08 *(6E-08, 9E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(5E-09, 7E-08)*	5E-06 *	* *	* *	-
ARSENIC	4E-08 *(6E-09, 1E-07)*	2E-05 *(2E-07, 3E-05)*	3E-05 *(2E-06, 3E-05)*	4E-05 *	-
BARIUM	1E-09 *(3E-10, 7E-09)*	1E-07 *(5E-08, 3E-07)*	4E-07 *(7E-08, 6E-07)*	1E-06 *(5E-07, 2E-06)*	-
BERYLLIUM	3E-09 *(1E-09, 6E-09)*	3E-08 *(9E-09, 9E-08)*	9E-08 *(2E-08, 1E-07)*	2E-07 *	-
CADMIUM	4E-07 *(3E-07, 1E-06)*	4E-06 *(1E-06, 2E-05)*	3E-05 *(2E-06, 7E-05)*	* *	-
CHROMIUM (III)	3E-11 *(1E-11, 2E-10)*	6E-09 *(9E-10, 1E-08)*	1E-08 *(4E-09, 3E-08)*	9E-08 *	-
CHROMIUM (VI)	2E-09 *(9E-10, 3E-09)*	1E-08 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	2E-08 *	-
COBALT	1E-09 *(1E-10, 2E-09)*	1E-08 *(2E-09, 7E-08)*	7E-08 *(4E-09, 8E-08)*	8E-08 *	-
MANGANESE	3E-09 *(4E-10, 5E-09)*	4E-08 *(7E-09, 1E-07)*	1E-07 *(1E-08, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	2E-08 *(7E-09, 3E-07)*	8E-06 *(6E-07, 3E-05)*	2E-05 *(2E-06, 8E-05)*	1E-04 *	-
MERCURY (METHYL)[a]	min: 5E-09	median: 2E-05	max: 2E-03		
NICKEL	2E-09 *(9E-10, 4E-09)*	2E-07 *(6E-09, 4E-07)*	4E-07 *(2E-08, 4E-07)*	5E-07 *(2E-07, 5E-07)*	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	3E-06 *(4E-07, 6E-06)*	* *	* *	-
SILVER	5E-10 *(2E-11, 6E-10)*	1E-08 *	* *	* *	-
THALLIUM	2E-07 *(9E-08, 4E-07)*	2E-05 *(5E-07, 3E-05)*	1E-04 *(1E-05, 4E-04)*	5E-04 *(5E-04, 6E-04)*	-
Hazard Index	8E-06 *(2E-06, 4E-05)*	1E-03 *(4E-05, 2E-03)*	2E-03 *(5E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	4E-05 *(4E-06, 1E-04)*	1E-04 *(1E-05, 3E-04)*	4E-04 *(2E-04, 5E-04)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(1E-05, 2E-05)*	2E-04 *	* *	* *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	2E-04 *(3E-05, 3E-04)*	3E-04 *(8E-05, 3E-04)*	3E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D176. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(9E-10, 1E-09)*	8E-09 *	* *	* *	-
ARSENIC	3E-12 *	9E-10 *	* *	* *	-
Additive Risk	1E-09 *(9E-10, 1E-09)*	9E-09 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(8E-12, 5E-11)*	4E-10 *(7E-11, 8E-10)*	1E-09 *(2E-10, 1E-09)*	2E-09 *	-
ARSENIC	2E-11 *(1E-11, 2E-10)*	9E-09 *(5E-10, 2E-08)*	2E-08 *(5E-09, 3E-08)*	8E-08 *(4E-08, 9E-08)*	-
BERYLLIUM	4E-12 *(2E-12, 7E-12)*	3E-11 *(1E-11, 5E-11)*	5E-11 *(2E-11, 9E-11)*	1E-10 *	-
CADMIUM	2E-11 *(1E-11, 4E-11)*	5E-10 *(8E-11, 2E-09)*	4E-09 *(4E-10, 8E-09)*	4E-08 *(1E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	8E-09 *(3E-09, 9E-09)*	-
NICKEL	1E-11 *(4E-12, 4E-11)*	5E-10 *(1E-10, 1E-09)*	2E-09 *(3E-10, 3E-09)*	6E-09 *(4E-09, 6E-09)*	-
Additive Risk	3E-10 *(2E-10, 1E-09)*	1E-08 *(2E-09, 3E-08)*	3E-08 *(1E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(2E-09, 8E-08)*	4E-06 *	* *	* *	-
ARSENIC	5E-08 *(5E-09, 8E-08)*	2E-05 *	* *	* *	-
BARIUM	7E-10 *(2E-10, 3E-09)*	9E-08 *(1E-08, 1E-07)*	2E-07 *(3E-08, 3E-07)*	7E-07 *(2E-07, 8E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 4E-09)*	2E-08 *(6E-09, 4E-08)*	4E-08 *(1E-08, 6E-08)*	* *	-
CADMIUM	4E-07 *(2E-07, 1E-06)*	4E-06 *(1E-06, 2E-05)*	3E-05 *(2E-06, 7E-05)*	* *	-
CHROMIUM (III)	1E-11 *(7E-12, 8E-11)*	2E-09 *(4E-10, 6E-09)*	7E-09 *(1E-09, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	2E-09 *(8E-10, 4E-09)*	9E-09 *	* *	* *	-
COBALT	8E-10 *(5E-11, 2E-09)*	8E-09 *(2E-09, 5E-08)*	5E-08 *(3E-09, 7E-08)*	8E-08 *	-
MANGANESE	3E-09 *(2E-10, 5E-09)*	2E-08 *(5E-09, 1E-07)*	1E-07 *(9E-09, 2E-07)*	2E-07 *	-
MERCURY (DIVALENT)	9E-09 *(3E-09, 1E-07)*	3E-06 *(3E-07, 1E-05)*	9E-06 *(9E-07, 3E-05)*	6E-05 *	-
MERCURY (METHYL)[a]	min: 2E-09	median: 2E-05	max: 2E-03		
NICKEL	2E-09 *(8E-10, 3E-09)*	1E-07 *	* *	* *	-
SELENIUM	2E-07 *(2E-08, 4E-07)*	4E-06 *(4E-07, 7E-06)*	* *	* *	-
SILVER	3E-10 *(9E-12, 6E-10)*	1E-08 *	* *	* *	-
THALLIUM	1E-07 *(7E-08, 4E-07)*	1E-05 *(4E-07, 3E-05)*	7E-05 *(9E-06, 3E-04)*	5E-04 *	-
Hazard Index	9E-06 *(2E-06, 4E-05)*	1E-03 *(4E-05, 2E-03)*	2E-03 *(6E-04, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	1E-06 *(2E-07, 4E-06)*	3E-05 *(2E-05, 5E-05)*	8E-05 *(3E-05, 1E-04)*	2E-04 *(1E-04, 3E-04)*	-
CHLORINE (CL2)	6E-05 *(2E-05, 2E-04)*	1E-03 *(4E-04, 6E-03)*	6E-03 *(6E-04, 1E-02)*	2E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-05 *(6E-06, 8E-05)*	4E-04 *(1E-04, 6E-04)*	6E-04 *(3E-04, 1E-03)*	2E-03 *	-
MANGANESE	4E-05 *(3E-05, 7E-05)*	4E-04 *(1E-04, 8E-04)*	1E-03 *(3E-04, 1E-03)*	3E-03 *(1E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(7E-07, 2E-06)*	4E-05 *(4E-06, 1E-04)*	1E-04 *(1E-05, 3E-04)*	4E-04 *(2E-04, 5E-04)*	-
Hazard Index	2E-04 *(2E-04, 5E-04)*	3E-03 *(8E-04, 7E-03)*	7E-03 *(1E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	3E-05 *(2E-05, 3E-05)*	2E-04 *	* *	* *	-
TCDD-TEQ	3E-05 *(3E-05, 3E-05)*	2E-04 *(3E-05, 4E-04)*	4E-04 *(8E-05, 4E-04)*	4E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D177. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-09 *(3E-09, 1E-08)*	4E-08 *(2E-08, 5E-08)*	5E-08 *(2E-08, 8E-08)*	* *	-
ARSENIC	1E-10 *(4E-11, 3E-10)*	3E-09 *(1E-09, 4E-09)*	4E-09 *(3E-09, 4E-09)*	9E-09 *	-
Additive Risk	9E-09 *(4E-09, 2E-08)*	4E-08 *(2E-08, 5E-08)*	5E-08 *(2E-08, 9E-08)*	1E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	4E-09 *(3E-09, 4E-09)*	-
ARSENIC	1E-09 *(4E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(3E-08, 4E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(8E-12, 2E-11)*	1E-10 *(7E-11, 4E-10)*	3E-10 *(1E-10, 2E-09)*	5E-09 *(2E-10, 6E-09)*	-
CADMIUM	1E-10 *(8E-11, 2E-10)*	3E-09 *(2E-09, 4E-09)*	8E-09 *(6E-09, 1E-08)*	5E-08 *(5E-08, 5E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(2E-09, 2E-09)*	3E-09 *(3E-09, 4E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	4E-11 *(2E-11, 5E-11)*	1E-09 *(7E-10, 1E-09)*	3E-09 *(3E-09, 3E-09)*	7E-09 *(7E-09, 8E-09)*	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	6E-08 *(5E-08, 6E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-06 *(3E-07, 3E-06)*	* *	* *	* *	-
ARSENIC	3E-06 *(9E-07, 8E-06)*	9E-05 *(4E-05, 9E-05)*	1E-04 *(7E-05, 1E-04)*	2E-04 *(2E-04, 2E-04)*	-
BARIUM	1E-07 *(6E-08, 2E-07)*	2E-06 *(2E-06, 3E-06)*	4E-06 *(3E-06, 5E-06)*	1E-05 *(9E-06, 1E-05)*	-
BERYLLIUM	5E-08 *(3E-08, 9E-08)*	1E-06 *(6E-07, 3E-06)*	3E-06 *(9E-07, 8E-06)*	3E-05 *(2E-06, 4E-05)*	-
CADMIUM	2E-06 *(1E-06, 5E-06)*	9E-05 *(5E-05, 1E-04)*	2E-04 *(2E-04, 3E-04)*	5E-04 *	-
CHROMIUM (III)	8E-09 *(5E-09, 9E-09)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(2E-07, 3E-07)*	7E-07 *(7E-07, 7E-07)*	-
CHROMIUM (VI)	1E-08 *(6E-09, 3E-08)*	6E-08 *(4E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(1E-07, 2E-07)*	-
COBALT	4E-09 *(2E-09, 6E-09)*	5E-08 *(4E-08, 6E-08)*	9E-08 *(6E-08, 9E-08)*	2E-07 *(2E-07, 2E-07)*	-
MANGANESE	3E-08 *(1E-08, 6E-08)*	6E-07 *	1E-06 *	* *	-
MERCURY (DIVALENT)	8E-06 *(4E-06, 1E-05)*	1E-04 *(6E-05, 4E-04)*	4E-04 *(9E-05, 7E-04)*	1E-03 *	-
MERCURY (METHYL)[a]	min: 3E-08	median: 1E-04	max: 6E-03		
NICKEL	2E-08 *(1E-08, 3E-08)*	9E-07 *(3E-07, 1E-06)*	1E-06 *(9E-07, 1E-06)*	3E-06 *(3E-06, 3E-06)*	-
SELENIUM	1E-06 *(5E-07, 3E-06)*	6E-05 *	1E-04 *	* *	-
SILVER	2E-09 *(7E-10, 8E-09)*	1E-06 *	2E-06 *	* *	-
THALLIUM	4E-06 *(9E-07, 3E-05)*	3E-04 *(1E-04, 5E-04)*	8E-04 *(7E-04, 9E-04)*	2E-03 *(2E-03, 2E-03)*	-
Hazard Index	1E-03 *(1E-04, 2E-03)*	5E-03 *(2E-03, 5E-03)*	5E-03 *(4E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 1E-05)*	2E-04 *(1E-04, 3E-04)*	3E-04 *(2E-04, 4E-04)*	5E-04 *(5E-04, 6E-04)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-04 *(1E-04, 7E-04)*	1E-03 *(9E-04, 3E-03)*	3E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 5E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D178. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(3E-09, 1E-08)*	3E-08 *(2E-08, 5E-08)*	5E-08 *(2E-08, 8E-08)*	* *	-
ARSENIC	9E-11 *(2E-11, 2E-10)*	2E-09 *(9E-10, 3E-09)*	3E-09 *(1E-09, 3E-09)*	4E-09 *(4E-09, 4E-09)*	-
Additive Risk	6E-09 *(4E-09, 1E-08)*	3E-08 *(2E-08, 5E-08)*	5E-08 *(2E-08, 9E-08)*	1E-07 *(5E-08, 1E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	4E-09 *(3E-09, 5E-09)*	-
ARSENIC	1E-09 *(5E-10, 3E-09)*	2E-08 *(2E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(9E-12, 2E-11)*	1E-10 *(8E-11, 4E-10)*	3E-10 *(1E-10, 3E-09)*	6E-09 *(2E-10, 7E-09)*	-
CADMIUM	1E-10 *(1E-10, 2E-10)*	3E-09 *(2E-09, 5E-09)*	9E-09 *(7E-09, 1E-08)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(2E-09, 3E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	4E-11 *(2E-11, 6E-11)*	1E-09 *(9E-10, 1E-09)*	3E-09 *(3E-09, 4E-09)*	9E-09 *(8E-09, 9E-09)*	-
Additive Risk	4E-09 *(2E-09, 5E-09)*	4E-08 *(3E-08, 4E-08)*	7E-08 *(6E-08, 7E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(1E-07, 2E-06)*	* *	* *	* *	-
ARSENIC	1E-06 *(3E-07, 4E-06)*	4E-05 *(2E-05, 5E-05)*	5E-05 *(3E-05, 6E-05)*	7E-05 *(7E-05, 7E-05)*	-
BARIUM	3E-08 *(2E-08, 7E-08)*	7E-07 *(5E-07, 9E-07)*	1E-06 *(8E-07, 1E-06)*	4E-06 *(4E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(9E-09, 3E-08)*	3E-07 *(1E-07, 1E-06)*	8E-07 *(3E-07, 3E-06)*	7E-06 *	-
CADMIUM	1E-06 *(5E-07, 2E-06)*	7E-05 *(3E-05, 8E-05)*	* *	* *	-
CHROMIUM (III)	2E-09 *(1E-09, 3E-09)*	3E-08 *(2E-08, 4E-08)*	6E-08 *(5E-08, 8E-08)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	6E-09 *(2E-09, 1E-08)*	3E-08 *	7E-08 *	* *	-
COBALT	9E-10 *(5E-10, 1E-09)*	1E-08 *(1E-08, 1E-08)*	2E-08 *(2E-08, 2E-08)*	6E-08 *(5E-08, 6E-08)*	-
MANGANESE	1E-08 *(5E-09, 2E-08)*	3E-07 *(7E-08, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	2E-06 *(9E-07, 3E-06)*	3E-05 *(1E-05, 8E-05)*	8E-05 *(2E-05, 2E-04)*	3E-04 *	-
MERCURY (METHYL)[a]	min: 9E-09	median: 9E-05	max: 4E-03		
NICKEL	8E-09 *(5E-09, 1E-08)*	6E-07 *(1E-07, 6E-07)*	7E-07 *(3E-07, 7E-07)*	8E-07 *(8E-07, 8E-07)*	-
SELENIUM	7E-07 *(4E-07, 2E-06)*	* *	* *	* *	-
SILVER	9E-10 *(2E-10, 5E-09)*	6E-07 *	1E-06 *	* *	-
THALLIUM	2E-06 *(7E-07, 1E-05)*	2E-04 *(7E-05, 3E-04)*	8E-04 *(6E-04, 8E-04)*	* *	-
Hazard Index	8E-04 *(7E-05, 1E-03)*	4E-03 *(1E-03, 4E-03)*	4E-03 *(3E-03, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 1E-05)*	2E-04 *(1E-04, 3E-04)*	3E-04 *(2E-04, 4E-04)*	5E-04 *(5E-04, 6E-04)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(8E-05, 4E-04)*	1E-03 *(6E-04, 2E-03)*	2E-03 *(7E-04, 3E-03)*	3E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D179. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 6E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	5E-08 *	-
ARSENIC	5E-11 *(9E-12, 1E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(8E-10, 2E-09)*	2E-09 *(2E-09, 2E-09)*	-
Additive Risk	3E-09 *(2E-09, 7E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(1E-08, 4E-08)*	5E-08 *(2E-08, 5E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 2E-10)*	1E-09 *(9E-10, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(7E-08, 8E-08)*	-
BERYLLIUM	8E-12 *(6E-12, 1E-11)*	9E-11 *(5E-11, 3E-10)*	2E-10 *(8E-11, 2E-09)*	4E-09 *(1E-10, 5E-09)*	-
CADMIUM	8E-11 *(6E-11, 1E-10)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(4E-09, 8E-09)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	8E-09 *(7E-09, 8E-09)*	-
NICKEL	3E-11 *(1E-11, 4E-11)*	8E-10 *(5E-10, 9E-10)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(5E-09, 6E-09)*	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	3E-08 *(2E-08, 3E-08)*	4E-08 *(4E-08, 5E-08)*	9E-08 *(9E-08, 9E-08)*	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(7E-08, 1E-06)*	* *	* *	* *	-
ARSENIC	9E-07 *(2E-07, 2E-06)*	2E-05 *(9E-06, 3E-05)*	3E-05 *(1E-05, 3E-05)*	4E-05 *(4E-05, 4E-05)*	-
BARIUM	2E-08 *(9E-09, 4E-08)*	3E-07 *(2E-07, 4E-07)*	6E-07 *(4E-07, 7E-07)*	2E-06 *(2E-06, 2E-06)*	-
BERYLLIUM	9E-09 *(6E-09, 1E-08)*	1E-07 *(9E-08, 5E-07)*	5E-07 *(1E-07, 2E-06)*	6E-06 *(2E-07, 8E-06)*	-
CADMIUM	7E-07 *(2E-07, 1E-06)*	4E-05 *(2E-05, 4E-05)*	7E-05 *(6E-05, 7E-05)*	* *	-
CHROMIUM (III)	9E-10 *(7E-10, 1E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	* *	-
CHROMIUM (VI)	3E-09 *(1E-09, 8E-09)*	2E-08 *	4E-08 *	* *	-
COBALT	3E-09 *(8E-10, 5E-09)*	7E-08 *	1E-07 *	* *	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	9E-07 *(6E-07, 1E-06)*	2E-05 *(8E-06, 5E-05)*	5E-05 *(1E-05, 9E-05)*	2E-04 *	-
MERCURY (METHYL)[a]	min: 5E-09	median: 5E-05	max: 2E-03		
NICKEL	5E-09 *(3E-09, 6E-09)*	3E-07 *(8E-08, 4E-07)*	4E-07 *(1E-07, 4E-07)*	5E-07 *(4E-07, 5E-07)*	-
SELENIUM	4E-07 *(1E-07, 1E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	5E-10 *(1E-10, 3E-09)*	3E-07 *	6E-07 *	* *	-
THALLIUM	9E-07 *(4E-07, 8E-06)*	1E-04 *(4E-05, 2E-04)*	4E-04 *(4E-04, 4E-04)*	6E-04 *(6E-04, 6E-04)*	-
Hazard Index	4E-04 *(4E-05, 7E-04)*	2E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 1E-05)*	2E-04 *(1E-04, 3E-04)*	3E-04 *(2E-04, 4E-04)*	5E-04 *(5E-04, 6E-04)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	7E-05 *(4E-05, 2E-04)*	5E-04 *(3E-04, 7E-04)*	7E-04 *(3E-04, 9E-04)*	1E-03 *	-
TCDD-TEQ	8E-05 *(5E-05, 2E-04)*	8E-04 *(3E-04, 1E-03)*	9E-04 *(4E-04, 2E-03)*	2E-03 *(9E-04, 2E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D180. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(2E-09, 9E-09)*	3E-08 *	4E-08 *	* *	-
ARSENIC	5E-11 *(1E-11, 2E-10)*	* *	* *	* *	-
Additive Risk	4E-09 *(3E-09, 9E-09)*	3E-08 *(2E-08, 4E-08)*	4E-08 *(2E-08, 8E-08)*	8E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(8E-11, 2E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	-
ARSENIC	9E-10 *(4E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 3E-08)*	9E-08 *(9E-08, 9E-08)*	-
BERYLLIUM	9E-12 *(7E-12, 1E-11)*	1E-10 *(6E-11, 3E-10)*	2E-10 *(1E-10, 2E-09)*	5E-09 *(2E-10, 5E-09)*	-
CADMIUM	1E-10 *(7E-11, 1E-10)*	2E-09 *(2E-09, 3E-09)*	7E-09 *(5E-09, 9E-09)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	9E-09 *(9E-09, 9E-09)*	-
NICKEL	3E-11 *(2E-11, 4E-11)*	9E-10 *(6E-10, 1E-09)*	2E-09 *(2E-09, 3E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	3E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(8E-08, 1E-06)*	* *	* *	* *	-
ARSENIC	6E-07 *(1E-07, 2E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(6E-09, 2E-08)*	1E-07 *(1E-07, 2E-07)*	2E-07 *(2E-07, 3E-07)*	8E-07 *(8E-07, 8E-07)*	-
BERYLLIUM	7E-09 *(4E-09, 1E-08)*	7E-08 *(4E-08, 2E-07)*	2E-07 *(6E-08, 1E-06)*	* *	-
CADMIUM	8E-07 *(1E-07, 1E-06)*	3E-05 *(2E-05, 4E-05)*	8E-05 *(7E-05, 8E-05)*	* *	-
CHROMIUM (III)	4E-10 *(3E-10, 6E-10)*	7E-09 *(6E-09, 9E-09)*	1E-08 *(9E-09, 1E-08)*	4E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 7E-09)*	2E-08 *	2E-08 *	* *	-
COBALT	1E-09 *(5E-10, 4E-09)*	6E-08 *	1E-07 *	* *	-
MANGANESE	7E-09 *(1E-09, 1E-08)*	2E-07 *	3E-07 *	* *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 7E-07)*	8E-06 *(3E-06, 2E-05)*	2E-05 *(5E-06, 5E-05)*	7E-05 *	-
MERCURY (METHYL)[a]	min: 2E-09	median: 5E-05	max: 2E-03		
NICKEL	4E-09 *(3E-09, 7E-09)*	* *	* *	* *	-
SELENIUM	4E-07 *(2E-07, 2E-06)*	3E-05 *	6E-05 *	* *	-
SILVER	4E-10 *(1E-10, 4E-09)*	4E-07 *	7E-07 *	* *	-
THALLIUM	8E-07 *(3E-07, 7E-06)*	1E-04 *(4E-05, 2E-04)*	3E-04 *(3E-04, 4E-04)*	* *	-
Hazard Index	5E-04 *(4E-05, 8E-04)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *	-
Non-Cancer - Inhalation					
BARIUM	7E-06 *(4E-06, 1E-05)*	7E-05 *(5E-05, 9E-05)*	1E-04 *(8E-05, 1E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	2E-04 *(4E-05, 1E-03)*	1E-02 *(5E-03, 2E-02)*	2E-02 *(1E-02, 4E-02)*	6E-02 *	-
HYDROGEN CHLORIDE (HCL)	9E-05 *(4E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(2E-03, 3E-03)*	4E-03 *(3E-03, 4E-03)*	-
MANGANESE	1E-04 *(1E-04, 2E-04)*	1E-03 *(9E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	7E-06 *(3E-06, 1E-05)*	2E-04 *(1E-04, 3E-04)*	3E-04 *(2E-04, 4E-04)*	5E-04 *(5E-04, 6E-04)*	-
Hazard Index	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	6E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-05 *(4E-05, 2E-04)*	6E-04 *	9E-04 *	* *	-
TCDD-TEQ	8E-05 *(5E-05, 2E-04)*	9E-04 *(4E-04, 1E-03)*	9E-04 *(4E-04, 2E-03)*	2E-03 *(9E-04, 2E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D181. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(1E-09, 1E-08)*	8E-08 *	* *	* *	-
ARSENIC	9E-11 *(5E-11, 2E-10)*	1E-08 *	* *	* *	-
Additive Risk	6E-09 *(3E-09, 1E-08)*	9E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	9E-11 *(6E-11, 1E-10)*	9E-10 *(6E-10, 1E-09)*	1E-09 *(9E-10, 2E-09)*	2E-09 *	-
ARSENIC	6E-10 *(3E-10, 2E-09)*	2E-08 *(8E-09, 2E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *	-
BERYLLIUM	1E-11 *(6E-12, 4E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(4E-10, 1E-09)*	2E-09 *	-
CADMIUM	5E-10 *(3E-10, 8E-10)*	7E-09 *(3E-09, 1E-08)*	1E-08 *(6E-09, 3E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
NICKEL	1E-10 *(6E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *	-
Additive Risk	7E-09 *(5E-09, 9E-09)*	4E-08 *(4E-08, 5E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-07 *(1E-07, 2E-06)*	2E-03 *	* *	* *	-
ARSENIC	2E-06 *(1E-06, 4E-06)*	4E-04 *	* *	* *	-
BARIUM	5E-08 *(3E-08, 8E-08)*	8E-07 *(4E-07, 3E-06)*	4E-06 *(8E-07, 7E-06)*	1E-05 *(8E-06, 1E-05)*	-
BERYLLIUM	9E-08 *(3E-08, 2E-07)*	5E-06 *(1E-06, 2E-05)*	2E-05 *(3E-06, 3E-05)*	4E-05 *(1E-05, 4E-05)*	-
CADMIUM	1E-05 *(4E-06, 2E-05)*	5E-04 *(2E-04, 6E-04)*	6E-04 *(3E-04, 6E-04)*	6E-04 *	-
CHROMIUM (III)	1E-08 *(8E-09, 1E-08)*	1E-07 *(8E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	4E-07 *	-
CHROMIUM (VI)	8E-08 *(4E-08, 3E-07)*	1E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
MANGANESE	2E-08 *(9E-09, 8E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(1E-06, 5E-06)*	9E-05 *(2E-05, 4E-04)*	4E-04 *(5E-05, 9E-04)*	2E-03 *(2E-04, 3E-03)*	-
MERCURY (METHYL)[a]	min: 5E-09	median: 7E-06	max: 4E-03		
NICKEL	8E-08 *(2E-08, 2E-07)*	3E-06 *(8E-07, 7E-06)*	5E-06 *(2E-06, 1E-05)*	2E-05 *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	1E-04 *	* *	* *	-
SILVER	9E-10 *(1E-10, 2E-09)*	5E-07 *	* *	* *	-
THALLIUM	7E-07 *(5E-07, 1E-06)*	1E-05 *	* *	* *	-
Hazard Index	2E-04 *(5E-05, 5E-04)*	5E-03 *(4E-03, 1E-02)*	1E-02 *(5E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(9E-05, 5E-04)*	4E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D182. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(1E-09, 9E-09)*	8E-08 *	* *	* *	-
ARSENIC	6E-11 *(3E-11, 9E-11)*	6E-09 *	* *	* *	-
Additive Risk	5E-09 *(2E-09, 1E-08)*	9E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 2E-10)*	1E-09 *(6E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	3E-09 *	-
ARSENIC	7E-10 *(4E-10, 2E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
BERYLLIUM	2E-11 *(6E-12, 4E-11)*	7E-10 *(2E-10, 1E-09)*	1E-09 *(5E-10, 2E-09)*	2E-09 *	-
CADMIUM	6E-10 *(4E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	2E-08 *(7E-09, 3E-08)*	4E-08 *	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	8E-08 *	-
NICKEL	1E-10 *(7E-11, 2E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *	-
Additive Risk	9E-09 *(6E-09, 1E-08)*	5E-08 *(4E-08, 6E-08)*	8E-08 *(5E-08, 9E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-07 *(5E-08, 9E-07)*	7E-04 *	* *	* *	-
ARSENIC	1E-06 *(6E-07, 2E-06)*	2E-04 *	* *	* *	-
BARIUM	2E-08 *(1E-08, 2E-08)*	2E-07 *(9E-08, 7E-07)*	9E-07 *(2E-07, 1E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	3E-08 *(9E-09, 9E-08)*	1E-06 *	* *	* *	-
CADMIUM	6E-06 *(2E-06, 9E-06)*	* *	* *	* *	-
CHROMIUM (III)	3E-09 *(2E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(3E-08, 9E-08)*	1E-07 *	-
CHROMIUM (VI)	2E-08 *(1E-08, 9E-08)*	* *	* *	* *	-
COBALT	4E-10 *(3E-10, 6E-10)*	5E-09 *(4E-09, 7E-09)*	8E-09 *(7E-09, 9E-09)*	1E-08 *	-
MANGANESE	5E-09 *(3E-09, 2E-08)*	2E-07 *(7E-08, 2E-07)*	2E-07 *	* *	-
MERCURY (DIVALENT)	7E-07 *(4E-07, 1E-06)*	2E-05 *(5E-06, 9E-05)*	9E-05 *(1E-05, 3E-04)*	6E-04 *(7E-05, 7E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 5E-06	max: 3E-03		
NICKEL	3E-08 *(7E-09, 9E-08)*	1E-06 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	7E-05 *	* *	* *	-
SILVER	2E-10 *(6E-11, 9E-10)*	3E-07 *	* *	* *	-
THALLIUM	4E-07 *(3E-07, 7E-07)*	9E-06 *	* *	* *	-
Hazard Index	1E-04 *(2E-05, 3E-04)*	3E-03 *(1E-03, 9E-03)*	9E-03 *(3E-03, 9E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(4E-05, 3E-04)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D183. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(5E-10, 5E-09)*	5E-08 *	* *	* *	-
ARSENIC	3E-11 *(1E-11, 7E-11)*	7E-09 *	* *	* *	-
Additive Risk	3E-09 *(9E-10, 8E-09)*	5E-08 *(2E-08, 1E-07)*	1E-07 *(3E-08, 2E-07)*	3E-07 *(6E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(4E-11, 1E-10)*	6E-10 *(4E-10, 8E-10)*	1E-09 *(6E-10, 1E-09)*	2E-09 *	-
ARSENIC	5E-10 *(2E-10, 1E-09)*	1E-08 *(6E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	1E-11 *(4E-12, 3E-11)*	5E-10 *(1E-10, 8E-10)*	9E-10 *(3E-10, 1E-09)*	1E-09 *	-
CADMIUM	4E-10 *(2E-10, 6E-10)*	5E-09 *(2E-09, 9E-09)*	1E-08 *(4E-09, 2E-08)*	2E-08 *	-
CHROMIUM (VI)	2E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(2E-08, 3E-08)*	5E-08 *	-
NICKEL	7E-11 *(5E-11, 1E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *(8E-10, 2E-09)*	3E-09 *	-
Additive Risk	5E-09 *(4E-09, 7E-09)*	3E-08 *(3E-08, 4E-08)*	5E-08 *(3E-08, 6E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(3E-08, 5E-07)*	7E-04 *	* *	* *	-
ARSENIC	6E-07 *(3E-07, 1E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(9E-09, 1E-08)*	1E-07 *(6E-08, 4E-07)*	5E-07 *(1E-07, 9E-07)*	2E-06 *(9E-07, 2E-06)*	-
BERYLLIUM	1E-08 *(5E-09, 5E-08)*	7E-07 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
CHROMIUM (VI)	1E-08 *(9E-09, 5E-08)*	* *	* *	* *	-
COBALT	9E-10 *(6E-10, 3E-09)*	5E-08 *	* *	* *	-
MANGANESE	3E-09 *(2E-09, 9E-09)*	* *	* *	* *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 7E-07)*	1E-05 *(3E-06, 6E-05)*	6E-05 *(7E-06, 1E-04)*	3E-04 *(3E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 3E-06	max: 2E-03		
NICKEL	2E-08 *(4E-09, 6E-08)*	1E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 1E-06)*	4E-05 *	* *	* *	-
SILVER	1E-10 *(3E-11, 6E-10)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	7E-06 *	* *	* *	-
Hazard Index	8E-05 *(1E-05, 2E-04)*	2E-03 *(9E-04, 5E-03)*	5E-03 *(2E-03, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	4E-05 *(1E-05, 1E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(4E-05, 2E-04)*	2E-03 *(9E-04, 1E-02)*	1E-02 *(1E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D184. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(8E-10, 7E-09)*	7E-08 *	* *	* *	-
ARSENIC	4E-11 *(2E-11, 9E-11)*	* *	* *	* *	-
Additive Risk	3E-09 *(8E-10, 1E-08)*	8E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	8E-11 *(5E-11, 1E-10)*	7E-10 *(5E-10, 9E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *	-
ARSENIC	5E-10 *(3E-10, 1E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	1E-11 *(5E-12, 3E-11)*	5E-10 *(2E-10, 9E-10)*	1E-09 *(4E-10, 1E-09)*	2E-09 *	-
CADMIUM	4E-10 *(3E-10, 7E-10)*	6E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	6E-08 *	-
NICKEL	8E-11 *(5E-11, 1E-10)*	8E-10 *(5E-10, 1E-09)*	1E-09 *(9E-10, 2E-09)*	4E-09 *	-
Additive Risk	6E-09 *(4E-09, 8E-09)*	4E-08 *(3E-08, 4E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(2E-08, 6E-07)*	7E-04 *	* *	* *	-
ARSENIC	5E-07 *(2E-07, 1E-06)*	1E-04 *	* *	* *	-
BARIUM	9E-09 *(5E-09, 1E-08)*	5E-08 *(2E-08, 1E-07)*	2E-07 *(4E-08, 4E-07)*	6E-07 *(4E-07, 8E-07)*	-
BERYLLIUM	8E-09 *(2E-09, 3E-08)*	4E-07 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	6E-10 *(5E-10, 9E-10)*	7E-09 *(4E-09, 9E-09)*	1E-08 *(7E-09, 1E-08)*	2E-08 *	-
CHROMIUM (VI)	1E-08 *(6E-09, 3E-08)*	3E-06 *	* *	* *	-
COBALT	8E-10 *(2E-10, 1E-09)*	6E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 5E-09)*	1E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(9E-08, 3E-07)*	6E-06 *(1E-06, 2E-05)*	2E-05 *(3E-06, 7E-05)*	1E-04 *	-
MERCURY (METHYL)[a]	min: 6E-10	median: 3E-06	max: 2E-03		
NICKEL	8E-09 *(2E-09, 6E-08)*	1E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 1E-06)*	5E-05 *	* *	* *	-
SILVER	9E-11 *(2E-11, 6E-10)*	2E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 3E-07)*	6E-06 *	* *	* *	-
Hazard Index	9E-05 *(1E-05, 2E-04)*	2E-03 *(6E-04, 6E-03)*	6E-03 *(2E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	4E-05 *(1E-05, 8E-05)*	1E-04 *(3E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(7E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	2E-04 *(1E-04, 3E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	5E-03 *	-
MANGANESE	7E-05 *(5E-05, 9E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	1E-05 *(5E-06, 2E-05)*	8E-05 *(5E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(2E-05, 2E-04)*	2E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 2E-04)*	2E-03 *(9E-04, 1E-02)*	1E-02 *(2E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D185. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(2E-10, 1E-09)*	4E-09 *(2E-09, 5E-09)*	5E-09 *(4E-09, 7E-09)*	1E-08 *(6E-09, 2E-08)*	-
ARSENIC	9E-12 *(5E-12, 4E-11)*	4E-10 *(1E-10, 6E-10)*	6E-10 *(2E-10, 7E-10)*	8E-10 *	-
Additive Risk	1E-09 *(6E-10, 2E-09)*	4E-09 *(2E-09, 5E-09)*	6E-09 *(4E-09, 7E-09)*	2E-08 *(7E-09, 2E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(7E-12, 3E-11)*	3E-10 *(2E-10, 5E-10)*	7E-10 *(4E-10, 1E-09)*	2E-09 *	-
ARSENIC	4E-11 *(2E-11, 1E-10)*	2E-09 *(1E-09, 5E-09)*	5E-09 *(2E-09, 8E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 4E-12)*	3E-11 *(2E-11, 6E-11)*	8E-11 *(4E-11, 2E-10)*	3E-10 *(2E-10, 4E-10)*	-
CADMIUM	4E-11 *(3E-11, 6E-11)*	4E-10 *(2E-10, 7E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(2E-10, 5E-10)*	4E-09 *(2E-09, 7E-09)*	9E-09 *(4E-09, 1E-08)*	2E-08 *	-
NICKEL	6E-12 *(3E-12, 1E-11)*	1E-10 *(6E-11, 2E-10)*	3E-10 *(1E-10, 5E-10)*	1E-09 *	-
Additive Risk	7E-10 *(4E-10, 1E-09)*	8E-09 *(5E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(4E-09, 5E-08)*	2E-06 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 9E-07)*	9E-06 *(3E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	2E-05 *	-
BARIUM	8E-09 *(3E-09, 2E-08)*	2E-07 *(1E-07, 3E-07)*	4E-07 *(2E-07, 5E-07)*	1E-06 *(6E-07, 2E-06)*	-
BERYLLIUM	1E-08 *(7E-09, 2E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	9E-07 *(4E-07, 1E-06)*	-
CADMIUM	9E-07 *(7E-07, 3E-06)*	9E-06 *(4E-06, 2E-05)*	2E-05 *(5E-06, 3E-05)*	6E-05 *	-
CHROMIUM (III)	9E-10 *(4E-10, 1E-09)*	2E-08 *(1E-08, 5E-08)*	8E-08 *(4E-08, 9E-08)*	2E-07 *(1E-07, 2E-07)*	-
CHROMIUM (VI)	9E-09 *(7E-09, 3E-08)*	1E-06 *	* *	* *	-
COBALT	3E-10 *(2E-10, 5E-10)*	5E-09 *(4E-09, 8E-09)*	1E-08 *(8E-09, 1E-08)*	3E-08 *(2E-08, 3E-08)*	-
MANGANESE	8E-09 *(3E-09, 1E-08)*	1E-07 *(3E-08, 5E-07)*	4E-07 *(8E-08, 7E-07)*	* *	-
MERCURY (DIVALENT)	4E-07 *(1E-07, 1E-06)*	3E-05 *(9E-06, 8E-05)*	9E-05 *(2E-05, 2E-04)*	8E-04 *(9E-05, 9E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	4E-09 *(3E-09, 5E-09)*	3E-07 *	* *	* *	-
SELENIUM	3E-07 *(9E-08, 7E-07)*	6E-06 *	* *	* *	-
SILVER	2E-09 *(8E-10, 2E-08)*	1E-07 *	* *	* *	-
THALLIUM	3E-07 *(1E-07, 9E-07)*	9E-06 *(6E-06, 2E-05)*	2E-05 *(8E-06, 3E-05)*	4E-05 *(2E-05, 5E-05)*	-
Hazard Index	5E-05 *(2E-05, 8E-05)*	7E-04 *(1E-04, 1E-02)*	1E-02 *(6E-04, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	5E-05 *(1E-05, 6E-05)*	2E-04 *(9E-05, 2E-04)*	2E-04 *(2E-04, 3E-04)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D186. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(2E-10, 1E-09)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(3E-09, 7E-09)*	* *	-
ARSENIC	7E-12 *(4E-12, 3E-11)*	3E-10 *	* *	* *	-
Additive Risk	1E-09 *(4E-10, 2E-09)*	4E-09 *(2E-09, 5E-09)*	5E-09 *(4E-09, 7E-09)*	2E-08 *(5E-09, 2E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(8E-12, 4E-11)*	4E-10 *(2E-10, 6E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	5E-11 *(2E-11, 2E-10)*	3E-09 *(1E-09, 6E-09)*	6E-09 *(3E-09, 9E-09)*	1E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 4E-12)*	4E-11 *(2E-11, 7E-11)*	9E-11 *(4E-11, 2E-10)*	3E-10 *(2E-10, 5E-10)*	-
CADMIUM	5E-11 *(3E-11, 7E-11)*	4E-10 *(3E-10, 8E-10)*	9E-10 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	4E-09 *(3E-09, 8E-09)*	1E-08 *(4E-09, 2E-08)*	3E-08 *	-
NICKEL	7E-12 *(3E-12, 1E-11)*	2E-10 *(7E-11, 3E-10)*	3E-10 *(2E-10, 6E-10)*	1E-09 *	-
Additive Risk	8E-10 *(5E-10, 1E-09)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(1E-09, 1E-08)*	1E-06 *	* *	* *	-
ARSENIC	1E-07 *(8E-08, 6E-07)*	5E-06 *	* *	* *	-
BARIUM	2E-09 *(9E-10, 5E-09)*	8E-08 *(5E-08, 1E-07)*	1E-07 *(8E-08, 2E-07)*	4E-07 *(2E-07, 5E-07)*	-
BERYLLIUM	4E-09 *(2E-09, 7E-09)*	5E-08 *(2E-08, 6E-08)*	8E-08 *(4E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	-
CADMIUM	7E-07 *(4E-07, 1E-06)*	4E-06 *(2E-06, 9E-06)*	8E-06 *(3E-06, 2E-05)*	4E-05 *	-
CHROMIUM (III)	2E-10 *(9E-11, 4E-10)*	8E-09 *(3E-09, 1E-08)*	2E-08 *(9E-09, 2E-08)*	4E-08 *(3E-08, 6E-08)*	-
CHROMIUM (VI)	4E-09 *(3E-09, 1E-08)*	3E-07 *	* *	* *	-
COBALT	9E-11 *(6E-11, 1E-10)*	1E-09 *(9E-10, 2E-09)*	3E-09 *(2E-09, 4E-09)*	7E-09 *(5E-09, 8E-09)*	-
MANGANESE	3E-09 *(9E-10, 6E-09)*	5E-08 *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(3E-08, 3E-07)*	9E-06 *(2E-06, 2E-05)*	2E-05 *(6E-06, 6E-05)*	2E-04 *(2E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	2E-09 *(1E-09, 3E-09)*	1E-07 *	* *	* *	-
SELENIUM	2E-07 *(6E-08, 5E-07)*	4E-06 *	* *	* *	-
SILVER	9E-10 *(2E-10, 9E-09)*	8E-08 *(3E-08, 4E-07)*	4E-07 *	* *	-
THALLIUM	2E-07 *(8E-08, 7E-07)*	6E-06 *(3E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	3E-05 *	-
Hazard Index	3E-05 *(1E-05, 6E-05)*	5E-04 *(8E-05, 8E-03)*	8E-03 *(5E-04, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-05 *(7E-06, 4E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(9E-05, 2E-04)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D187. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-10 *(9E-11, 7E-10)*	2E-09 *(9E-10, 2E-09)*	3E-09 *(1E-09, 4E-09)*	* *	-
ARSENIC	4E-12 *(2E-12, 2E-11)*	2E-10 *	* *	* *	-
Additive Risk	6E-10 *(2E-10, 8E-10)*	2E-09 *(9E-10, 3E-09)*	3E-09 *(2E-09, 4E-09)*	1E-08 *(3E-09, 1E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(5E-12, 3E-11)*	3E-10 *(2E-10, 4E-10)*	5E-10 *(3E-10, 7E-10)*	1E-09 *	-
ARSENIC	3E-11 *(1E-11, 1E-10)*	2E-09 *(9E-10, 4E-09)*	4E-09 *(2E-09, 6E-09)*	7E-09 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	3E-11 *(1E-11, 5E-11)*	6E-11 *(3E-11, 1E-10)*	2E-10 *(1E-10, 3E-10)*	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(2E-10, 5E-10)*	6E-10 *(3E-10, 8E-10)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	3E-09 *(2E-09, 5E-09)*	7E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	4E-12 *(2E-12, 8E-12)*	1E-10 *(4E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	8E-10 *	-
Additive Risk	5E-10 *(3E-10, 8E-10)*	6E-09 *(4E-09, 9E-09)*	1E-08 *(6E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	6E-09 *(9E-10, 9E-09)*	7E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 3E-07)*	4E-06 *	* *	* *	-
BARIUM	9E-10 *(5E-10, 3E-09)*	5E-08 *(3E-08, 6E-08)*	7E-08 *(5E-08, 9E-08)*	2E-07 *(8E-08, 3E-07)*	-
BERYLLIUM	2E-09 *(1E-09, 4E-09)*	2E-08 *(1E-08, 4E-08)*	4E-08 *(2E-08, 6E-08)*	1E-07 *(6E-08, 1E-07)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *(1E-06, 7E-06)*	7E-06 *	* *	-
CHROMIUM (III)	1E-10 *(5E-11, 2E-10)*	4E-09 *(2E-09, 7E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	-
CHROMIUM (VI)	2E-09 *(2E-09, 6E-09)*	3E-07 *	* *	* *	-
COBALT	4E-10 *(2E-10, 1E-09)*	1E-08 *	* *	* *	-
MANGANESE	1E-09 *(7E-10, 4E-09)*	3E-08 *	* *	* *	-
MERCURY (DIVALENT)	5E-08 *(1E-08, 2E-07)*	5E-06 *(1E-06, 1E-05)*	1E-05 *(3E-06, 3E-05)*	9E-05 *(1E-05, 1E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 7E-06	max: 4E-03		
NICKEL	1E-09 *(9E-10, 2E-09)*	6E-08 *	* *	* *	-
SELENIUM	8E-08 *(3E-08, 3E-07)*	2E-06 *	* *	* *	-
SILVER	6E-10 *(1E-10, 5E-09)*	6E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 4E-07)*	3E-06 *(1E-06, 7E-06)*	7E-06 *(3E-06, 9E-06)*	1E-05 *	-
Hazard Index	1E-05 *(8E-06, 3E-05)*	3E-04 *(5E-05, 4E-03)*	4E-03 *(3E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	9E-06 *(3E-06, 1E-05)*	6E-05 *(2E-05, 6E-05)*	7E-05 *(5E-05, 1E-04)*	2E-04 *(7E-05, 3E-04)*	-
TCDD-TEQ	2E-05 *(4E-06, 3E-05)*	7E-05 *(3E-05, 9E-05)*	9E-05 *(7E-05, 1E-04)*	4E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D188. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	6E-10 *(1E-10, 9E-10)*	3E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 5E-09)*	* *	-
ARSENIC	6E-12 *(3E-12, 2E-11)*	2E-10 *	* *	* *	-
Additive Risk	9E-10 *(3E-10, 1E-09)*	3E-09 *(1E-09, 4E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(4E-09, 2E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-11 *(6E-12, 3E-11)*	3E-10 *(2E-10, 4E-10)*	6E-10 *(3E-10, 9E-10)*	1E-09 *	-
ARSENIC	4E-11 *(2E-11, 1E-10)*	2E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 6E-09)*	8E-09 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	3E-11 *(2E-11, 5E-11)*	7E-11 *(3E-11, 1E-10)*	2E-10 *(2E-10, 3E-10)*	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 4E-10)*	3E-09 *(2E-09, 6E-09)*	8E-09 *(3E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(3E-12, 9E-12)*	1E-10 *(5E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	9E-10 *	-
Additive Risk	6E-10 *(3E-10, 9E-10)*	6E-09 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-09 *(8E-10, 9E-09)*	9E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 3E-07)*	3E-06 *	* *	* *	-
BARIUM	5E-10 *(2E-10, 1E-09)*	4E-08 *(1E-08, 6E-08)*	6E-08 *(3E-08, 9E-08)*	1E-07 *(6E-08, 1E-07)*	-
BERYLLIUM	1E-09 *(9E-10, 3E-09)*	1E-08 *(9E-09, 3E-08)*	4E-08 *(1E-08, 5E-08)*	7E-08 *(4E-08, 9E-08)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *(1E-06, 8E-06)*	8E-06 *	* *	-
CHROMIUM (III)	6E-11 *(2E-11, 9E-11)*	1E-09 *(8E-10, 2E-09)*	4E-09 *(2E-09, 5E-09)*	9E-09 *	-
CHROMIUM (VI)	3E-09 *(1E-09, 4E-09)*	2E-07 *	* *	* *	-
COBALT	3E-10 *(1E-10, 1E-09)*	1E-08 *	* *	* *	-
MANGANESE	9E-10 *(4E-10, 4E-09)*	4E-08 *	* *	* *	-
MERCURY (DIVALENT)	2E-08 *(7E-09, 1E-07)*	2E-06 *(6E-07, 5E-06)*	6E-06 *(1E-06, 1E-05)*	5E-05 *(5E-06, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 7E-06	max: 5E-03		
NICKEL	1E-09 *(9E-10, 2E-09)*	6E-08 *	* *	* *	-
SELENIUM	9E-08 *(4E-08, 3E-07)*	3E-06 *	* *	* *	-
SILVER	7E-10 *(1E-10, 5E-09)*	6E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 4E-07)*	3E-06 *(2E-06, 8E-06)*	8E-06 *	* *	-
Hazard Index	2E-05 *(8E-06, 4E-05)*	3E-04 *(9E-05, 5E-03)*	5E-03 *(3E-04, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	5E-07 *(3E-07, 1E-06)*	1E-05 *(5E-06, 2E-05)*	2E-05 *(1E-05, 4E-05)*	1E-04 *(3E-05, 2E-04)*	-
CHLORINE (CL2)	3E-04 *(1E-04, 4E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	4E-05 *(2E-05, 8E-05)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(7E-04, 2E-03)*	3E-03 *(2E-03, 3E-03)*	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	2E-04 *(1E-04, 3E-04)*	4E-04 *(2E-04, 6E-04)*	1E-03 *	-
MERCURY (ELEMENTAL)	3E-07 *(1E-07, 7E-07)*	1E-05 *(3E-06, 3E-05)*	4E-05 *(5E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(3E-04, 7E-04)*	5E-03 *(3E-03, 8E-03)*	9E-03 *(5E-03, 2E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(3E-06, 2E-05)*	7E-05 *(3E-05, 9E-05)*	9E-05 *(6E-05, 1E-04)*	* *	-
TCDD-TEQ	1E-05 *(4E-06, 3E-05)*	8E-05 *(3E-05, 1E-04)*	1E-04 *(7E-05, 1E-04)*	5E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D189. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(3E-09, 6E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	* *	-
ARSENIC	2E-11 *(9E-12, 4E-11)*	2E-10 *(9E-11, 3E-10)*	3E-10 *(1E-10, 9E-10)*	2E-09 *	-
Additive Risk	5E-09 *(3E-09, 6E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(2E-08, 5E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 3E-10)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	4E-09 *	-
ARSENIC	1E-10 *(6E-11, 3E-10)*	3E-09 *(1E-09, 9E-09)*	9E-09 *(3E-09, 2E-08)*	3E-08 *	-
BERYLLIUM	7E-12 *(4E-12, 1E-11)*	1E-10 *(5E-11, 2E-10)*	2E-10 *(1E-10, 3E-10)*	4E-10 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(5E-10, 6E-09)*	5E-09 *(7E-10, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	1E-09 *(9E-10, 2E-09)*	9E-09 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	6E-08 *	-
NICKEL	4E-11 *(2E-11, 7E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	2E-09 *	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(2E-08, 5E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(5E-08, 1E-06)*	1E-05 *(3E-06, 2E-05)*	2E-05 *(4E-06, 2E-05)*	4E-05 *	-
ARSENIC	4E-07 *(2E-07, 9E-07)*	5E-06 *(3E-06, 8E-06)*	9E-06 *(5E-06, 2E-05)*	5E-05 *	-
BARIUM	5E-08 *(3E-08, 9E-08)*	9E-07 *(4E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	6E-06 *(4E-06, 6E-06)*	-
BERYLLIUM	3E-08 *(1E-08, 4E-08)*	2E-07 *(1E-07, 5E-07)*	7E-07 *(3E-07, 1E-06)*	2E-06 *(1E-06, 2E-06)*	-
CADMIUM	1E-06 *(4E-07, 3E-06)*	8E-05 *(1E-05, 3E-04)*	3E-04 *(2E-05, 4E-04)*	4E-04 *	-
CHROMIUM (III)	5E-09 *(3E-09, 6E-09)*	8E-08 *(5E-08, 9E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *	-
CHROMIUM (VI)	4E-08 *(2E-08, 9E-08)*	2E-06 *	* *	* *	-
COBALT	1E-09 *(9E-10, 1E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	6E-08 *	-
MANGANESE	2E-08 *(1E-08, 4E-08)*	2E-07 *(9E-08, 3E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
MERCURY (DIVALENT)	9E-07 *(3E-07, 2E-06)*	9E-05 *(9E-06, 2E-04)*	3E-04 *(3E-05, 6E-04)*	9E-04 *(2E-04, 2E-03)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 2E-05	max: 1E-02		
NICKEL	1E-08 *(6E-09, 2E-08)*	6E-07 *	* *	* *	-
SELENIUM	1E-07 *(6E-08, 1E-06)*	4E-05 *	* *	* *	-
SILVER	4E-10 *(1E-10, 5E-09)*	3E-07 *	* *	* *	-
THALLIUM	9E-07 *(6E-07, 2E-06)*	2E-05 *(1E-05, 6E-05)*	6E-05 *(2E-05, 8E-05)*	1E-04 *	-
Hazard Index	5E-05 *(3E-05, 1E-04)*	5E-03 *(2E-04, 8E-03)*	5E-03 *(2E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	4E-05 *(1E-05, 8E-05)*	8E-05 *(3E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(1E-04, 3E-04)*	9E-04 *(4E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	2E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D190. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(2E-09, 5E-09)*	2E-08 *(7E-09, 2E-08)*	2E-08 *	* *	-
ARSENIC	9E-12 *(5E-12, 2E-11)*	1E-10 *(7E-11, 2E-10)*	2E-10 *(1E-10, 4E-10)*	* *	-
Additive Risk	4E-09 *(2E-09, 5E-09)*	2E-08 *(8E-09, 2E-08)*	2E-08 *(2E-08, 4E-08)*	5E-08 *(2E-08, 5E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	3E-10 *(2E-10, 4E-10)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	4E-09 *	-
ARSENIC	2E-10 *(7E-11, 4E-10)*	4E-09 *(2E-09, 1E-08)*	1E-08 *(3E-09, 2E-08)*	4E-08 *	-
BERYLLIUM	8E-12 *(4E-12, 1E-11)*	1E-10 *(6E-11, 2E-10)*	2E-10 *(1E-10, 3E-10)*	5E-10 *	-
CADMIUM	1E-10 *(8E-11, 2E-10)*	2E-09 *(5E-10, 7E-09)*	6E-09 *(8E-10, 2E-08)*	4E-08 *	-
CHROMIUM (VI)	1E-09 *(1E-09, 2E-09)*	1E-08 *(8E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	7E-08 *	-
NICKEL	4E-11 *(2E-11, 8E-11)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	3E-09 *	-
Additive Risk	4E-09 *(3E-09, 5E-09)*	2E-08 *(1E-08, 4E-08)*	4E-08 *(3E-08, 6E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(1E-08, 7E-07)*	3E-06 *(1E-06, 8E-06)*	8E-06 *(2E-06, 9E-06)*	9E-06 *	-
ARSENIC	2E-07 *(9E-08, 4E-07)*	2E-06 *(1E-06, 4E-06)*	4E-06 *(2E-06, 7E-06)*	* *	-
BARIUM	1E-08 *(7E-09, 4E-08)*	2E-07 *(1E-07, 4E-07)*	5E-07 *(3E-07, 6E-07)*	* *	-
BERYLLIUM	9E-09 *(5E-09, 1E-08)*	9E-08 *(5E-08, 1E-07)*	2E-07 *(8E-08, 3E-07)*	5E-07 *(3E-07, 6E-07)*	-
CADMIUM	8E-07 *(1E-07, 1E-06)*	5E-05 *	* *	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 1E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
CHROMIUM (VI)	1E-08 *(6E-09, 3E-08)*	8E-07 *	* *	* *	-
COBALT	3E-10 *(2E-10, 5E-10)*	4E-09 *(3E-09, 6E-09)*	7E-09 *(5E-09, 8E-09)*	1E-08 *	-
MANGANESE	8E-09 *(3E-09, 1E-08)*	7E-08 *	* *	* *	-
MERCURY (DIVALENT)	2E-07 *(9E-08, 6E-07)*	2E-05 *(2E-06, 7E-05)*	7E-05 *(7E-06, 1E-04)*	2E-04 *(6E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 2E-09	median: 2E-05	max: 8E-03		
NICKEL	5E-09 *(2E-09, 1E-08)*	3E-07 *	* *	* *	-
SELENIUM	9E-08 *(4E-08, 1E-06)*	3E-05 *	* *	* *	-
SILVER	1E-10 *(6E-11, 1E-09)*	1E-07 *	* *	* *	-
THALLIUM	7E-07 *(2E-07, 1E-06)*	1E-05 *(7E-06, 4E-05)*	4E-05 *(9E-06, 5E-05)*	6E-05 *(1E-05, 7E-05)*	-
Hazard Index	3E-05 *(1E-05, 6E-05)*	3E-03 *(1E-04, 6E-03)*	4E-03 *(1E-03, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	4E-05 *(1E-05, 8E-05)*	8E-05 *(3E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(8E-05, 1E-04)*	7E-04 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D191. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 3E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *	* *	-
ARSENIC	7E-12 *(3E-12, 2E-11)*	7E-11 *(4E-11, 9E-11)*	9E-11 *(6E-11, 2E-10)*	4E-10 *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	1E-08 *(4E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	2E-08 *(1E-08, 3E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(1E-10, 2E-10)*	1E-09 *(9E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	3E-09 *	-
ARSENIC	1E-10 *(5E-11, 2E-10)*	3E-09 *(1E-09, 6E-09)*	7E-09 *(2E-09, 1E-08)*	2E-08 *	-
BERYLLIUM	5E-12 *(3E-12, 1E-11)*	7E-11 *(4E-11, 1E-10)*	1E-10 *(7E-11, 2E-10)*	3E-10 *	-
CADMIUM	9E-11 *(5E-11, 1E-10)*	1E-09 *(3E-10, 4E-09)*	4E-09 *(5E-10, 1E-08)*	2E-08 *	-
CHROMIUM (VI)	9E-10 *(6E-10, 1E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	5E-08 *	-
NICKEL	3E-11 *(1E-11, 5E-11)*	4E-10 *(2E-10, 7E-10)*	8E-10 *(4E-10, 1E-09)*	2E-09 *	-
Additive Risk	2E-09 *(2E-09, 3E-09)*	2E-08 *(9E-09, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(9E-09, 4E-07)*	2E-06 *(9E-07, 6E-06)*	5E-06 *(1E-06, 6E-06)*	6E-06 *	-
ARSENIC	9E-08 *(5E-08, 3E-07)*	1E-06 *(7E-07, 2E-06)*	2E-06 *(1E-06, 4E-06)*	8E-06 *	-
BARIUM	8E-09 *(4E-09, 2E-08)*	1E-07 *(6E-08, 2E-07)*	3E-07 *(2E-07, 3E-07)*	8E-07 *(6E-07, 8E-07)*	-
BERYLLIUM	5E-09 *(2E-09, 7E-09)*	5E-08 *(2E-08, 7E-08)*	9E-08 *(5E-08, 1E-07)*	2E-07 *(1E-07, 3E-07)*	-
CADMIUM	5E-07 *(8E-08, 9E-07)*	3E-05 *(3E-06, 8E-05)*	7E-05 *	* *	-
CHROMIUM (III)	7E-10 *(4E-10, 9E-10)*	9E-09 *(7E-09, 1E-08)*	1E-08 *(1E-08, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	9E-09 *(3E-09, 2E-08)*	6E-07 *	* *	* *	-
COBALT	9E-10 *(5E-10, 3E-09)*	2E-08 *(8E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	4E-08 *	-
MANGANESE	4E-09 *(1E-09, 9E-09)*	4E-08 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(6E-08, 3E-07)*	1E-05 *(1E-06, 4E-05)*	4E-05 *(4E-06, 7E-05)*	1E-04 *(3E-05, 2E-04)*	-
MERCURY (METHYL)[a]	min: 9E-10	median: 1E-05	max: 4E-03		
NICKEL	3E-09 *(1E-09, 7E-09)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 7E-07)*	9E-06 *	* *	* *	-
SILVER	9E-11 *(3E-11, 9E-10)*	1E-07 *	* *	* *	-
THALLIUM	4E-07 *(1E-07, 7E-07)*	7E-06 *(4E-06, 2E-05)*	2E-05 *(6E-06, 3E-05)*	3E-05 *(8E-06, 4E-05)*	-
Hazard Index	2E-05 *(8E-06, 4E-05)*	2E-03 *(5E-05, 3E-03)*	2E-03 *(7E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	4E-05 *(1E-05, 8E-05)*	8E-05 *(3E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-05 *(3E-05, 7E-05)*	2E-04 *	* *	* *	-
TCDD-TEQ	7E-05 *(4E-05, 9E-05)*	4E-04 *(1E-04, 8E-04)*	8E-04 *(3E-04, 8E-04)*	9E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D192. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(9E-10, 4E-09)*	1E-08 *	* *	* *	-
ARSENIC	8E-12 *(2E-12, 2E-11)*	1E-10 *(4E-11, 1E-10)*	2E-10 *(7E-11, 2E-10)*	3E-10 *	-
Additive Risk	3E-09 *(1E-09, 4E-09)*	2E-08 *(6E-09, 2E-08)*	2E-08 *(2E-08, 4E-08)*	4E-08 *(2E-08, 4E-08)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-10 *(2E-10, 3E-10)*	1E-09 *(1E-09, 1E-09)*	2E-09 *(1E-09, 2E-09)*	3E-09 *	-
ARSENIC	1E-10 *(5E-11, 3E-10)*	3E-09 *(1E-09, 7E-09)*	8E-09 *(3E-09, 1E-08)*	3E-08 *	-
BERYLLIUM	6E-12 *(3E-12, 1E-11)*	8E-11 *(4E-11, 1E-10)*	2E-10 *(8E-11, 2E-10)*	3E-10 *	-
CADMIUM	1E-10 *(6E-11, 1E-10)*	2E-09 *(4E-10, 5E-09)*	4E-09 *(6E-10, 1E-08)*	3E-08 *	-
CHROMIUM (VI)	1E-09 *(7E-10, 2E-09)*	8E-09 *(6E-09, 1E-08)*	2E-08 *(8E-09, 2E-08)*	5E-08 *	-
NICKEL	3E-11 *(1E-11, 6E-11)*	5E-10 *(2E-10, 8E-10)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
Additive Risk	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(5E-09, 4E-07)*	2E-06 *	* *	* *	-
ARSENIC	9E-08 *(3E-08, 2E-07)*	1E-06 *(5E-07, 1E-06)*	2E-06 *(8E-07, 2E-06)*	4E-06 *	-
BARIUM	4E-09 *(2E-09, 9E-09)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(8E-08, 1E-07)*	3E-07 *(2E-07, 3E-07)*	-
BERYLLIUM	2E-09 *(1E-09, 6E-09)*	3E-08 *(1E-08, 6E-08)*	6E-08 *(2E-08, 7E-08)*	* *	-
CADMIUM	3E-07 *(6E-08, 9E-07)*	3E-05 *	* *	* *	-
CHROMIUM (III)	3E-10 *(2E-10, 3E-10)*	4E-09 *(2E-09, 6E-09)*	7E-09 *(5E-09, 8E-09)*	1E-08 *	-
CHROMIUM (VI)	7E-09 *(1E-09, 1E-08)*	6E-07 *	* *	* *	-
COBALT	7E-10 *(3E-10, 3E-09)*	2E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 7E-09)*	5E-08 *	* *	* *	-
MERCURY (DIVALENT)	6E-08 *(2E-08, 1E-07)*	7E-06 *(6E-07, 1E-05)*	1E-05 *(1E-06, 4E-05)*	5E-05 *(1E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 9E-10	median: 1E-05	max: 5E-03		
NICKEL	2E-09 *(9E-10, 8E-09)*	2E-07 *	* *	* *	-
SELENIUM	5E-08 *(2E-08, 8E-07)*	2E-05 *	* *	* *	-
SILVER	9E-11 *(3E-11, 7E-10)*	1E-07 *	* *	* *	-
THALLIUM	4E-07 *(5E-08, 7E-07)*	8E-06 *(4E-06, 1E-05)*	1E-05 *(4E-06, 2E-05)*	3E-05 *	-
Hazard Index	2E-05 *(8E-06, 4E-05)*	2E-03 *(5E-05, 4E-03)*	2E-03 *(8E-04, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-06 *(2E-06, 4E-06)*	4E-05 *(2E-05, 5E-05)*	7E-05 *(4E-05, 1E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(8E-04, 2E-03)*	1E-02 *(8E-03, 2E-02)*	2E-02 *(1E-02, 3E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	1E-04 *(5E-05, 2E-04)*	1E-03 *(8E-04, 2E-03)*	2E-03 *(1E-03, 3E-03)*	4E-03 *	-
MANGANESE	8E-05 *(6E-05, 1E-04)*	6E-04 *(4E-04, 8E-04)*	1E-03 *(7E-04, 1E-03)*	2E-03 *	-
MERCURY (ELEMENTAL)	1E-06 *(8E-07, 2E-06)*	4E-05 *(1E-05, 8E-05)*	8E-05 *(3E-05, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(1E-02, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(2E-05, 9E-05)*	4E-04 *	* *	* *	-
TCDD-TEQ	6E-05 *(3E-05, 1E-04)*	4E-04 *(2E-04, 9E-04)*	9E-04 *(4E-04, 9E-04)*	9E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D193. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	1E-09 *(8E-10, 1E-09)*	4E-08 *(1E-08, 7E-08)*	8E-08 *(4E-08, 1E-07)*	* *	-
ARSENIC	5E-11 *(1E-11, 9E-11)*	1E-09 *(7E-10, 9E-09)*	1E-08 *(2E-09, 2E-08)*	* *	-
Additive Risk	2E-09 *(1E-09, 2E-09)*	4E-08 *(2E-08, 7E-08)*	8E-08 *	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 4E-11)*	4E-10 *(3E-10, 6E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	2E-10 *(6E-11, 5E-10)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	5E-08 *	-
BERYLLIUM	4E-12 *(3E-12, 6E-12)*	2E-10 *(6E-11, 5E-10)*	6E-10 *(2E-10, 1E-09)*	2E-09 *	-
CADMIUM	9E-11 *(6E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(2E-09, 8E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(3E-10, 7E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(8E-12, 3E-11)*	4E-10 *(3E-10, 6E-10)*	9E-10 *(6E-10, 1E-09)*	4E-09 *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	5E-08 *(1E-08, 1E-07)*	4E-04 *(1E-05, 2E-03)*	2E-03 *(3E-04, 3E-03)*	* *	-
ARSENIC	1E-06 *(3E-07, 2E-06)*	3E-05 *(1E-05, 2E-04)*	3E-04 *(4E-05, 5E-04)*	* *	-
BARIUM	2E-08 *(1E-08, 4E-08)*	5E-07 *(3E-07, 7E-07)*	1E-06 *(6E-07, 2E-06)*	9E-06 *(4E-06, 1E-05)*	-
BERYLLIUM	2E-08 *(1E-08, 3E-08)*	9E-07 *(4E-07, 2E-06)*	4E-06 *(1E-06, 2E-05)*	3E-05 *(8E-06, 4E-05)*	-
CADMIUM	3E-06 *(1E-06, 4E-06)*	5E-05 *(2E-05, 2E-04)*	3E-04 *(6E-05, 5E-04)*	6E-04 *(4E-04, 6E-04)*	-
CHROMIUM (III)	2E-09 *(1E-09, 4E-09)*	7E-08 *(5E-08, 9E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(3E-07, 5E-07)*	-
CHROMIUM (VI)	1E-08 *(9E-09, 4E-08)*	2E-06 *(3E-07, 1E-05)*	2E-05 *(2E-06, 3E-05)*	* *	-
COBALT	7E-10 *(5E-10, 9E-10)*	1E-08 *(9E-09, 1E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(6E-08, 9E-08)*	-
MANGANESE	9E-09 *(6E-09, 1E-08)*	4E-07 *(1E-07, 7E-07)*	7E-07 *(3E-07, 8E-07)*	9E-07 *	-
MERCURY (DIVALENT)	1E-06 *(7E-07, 3E-06)*	5E-05 *(2E-05, 1E-04)*	2E-04 *(6E-05, 4E-04)*	1E-03 *(3E-04, 2E-03)*	-
MERCURY (METHYL)[a]	min: 4E-09	median: 2E-05	max: 1E-02		
NICKEL	7E-09 *(4E-09, 1E-08)*	2E-06 *(5E-07, 5E-06)*	5E-06 *(1E-06, 6E-06)*	1E-05 *(3E-06, 2E-05)*	-
SELENIUM	9E-07 *(3E-07, 1E-06)*	2E-05 *(9E-06, 4E-05)*	7E-05 *(2E-05, 2E-04)*	* *	-
SILVER	2E-09 *(9E-10, 8E-09)*	4E-07 *(9E-08, 8E-07)*	1E-06 *(3E-07, 3E-06)*	* *	-
THALLIUM	6E-07 *(3E-07, 9E-07)*	2E-05 *(7E-06, 4E-05)*	9E-05 *(3E-05, 7E-04)*	9E-04 *(3E-04, 1E-03)*	-
Hazard Index	9E-05 *(4E-05, 2E-04)*	4E-03 *(1E-03, 1E-02)*	1E-02 *(4E-03, 1E-02)*	1E-02 *(5E-03, 1E-02)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	6E-05 *(3E-05, 7E-05)*	2E-03 *(5E-04, 3E-03)*	4E-03 *(2E-03, 6E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D194. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(7E-10, 1E-09)*	4E-08 *(9E-09, 7E-08)*	8E-08 *(4E-08, 1E-07)*	* *	-
ARSENIC	3E-11 *(9E-12, 7E-11)*	9E-10 *(4E-10, 4E-09)*	7E-09 *(9E-10, 1E-08)*	* *	-
Additive Risk	1E-09 *(9E-10, 2E-09)*	4E-08 *(1E-08, 8E-08)*	8E-08 *(4E-08, 1E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	3E-11 *(2E-11, 5E-11)*	5E-10 *(3E-10, 6E-10)*	9E-10 *(6E-10, 1E-09)*	2E-09 *	-
ARSENIC	3E-10 *(7E-11, 6E-10)*	9E-09 *(6E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *	-
BERYLLIUM	5E-12 *(3E-12, 7E-12)*	2E-10 *(7E-11, 5E-10)*	7E-10 *(2E-10, 1E-09)*	2E-09 *	-
CADMIUM	1E-10 *(7E-11, 2E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 9E-09)*	3E-08 *	-
CHROMIUM (VI)	5E-10 *(3E-10, 8E-10)*	1E-08 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	4E-08 *	-
NICKEL	2E-11 *(9E-12, 3E-11)*	4E-10 *(3E-10, 7E-10)*	1E-09 *(7E-10, 2E-09)*	5E-09 *	-
Additive Risk	2E-09 *(1E-09, 3E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 6E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-08 *(6E-09, 7E-08)*	2E-04 *(5E-06, 7E-04)*	8E-04 *(2E-04, 2E-03)*	* *	-
ARSENIC	6E-07 *(1E-07, 1E-06)*	1E-05 *(7E-06, 7E-05)*	1E-04 *(2E-05, 3E-04)*	* *	-
BARIUM	8E-09 *(3E-09, 1E-08)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(1E-07, 7E-07)*	2E-06 *(1E-06, 3E-06)*	-
BERYLLIUM	7E-09 *(4E-09, 1E-08)*	3E-07 *(1E-07, 7E-07)*	1E-06 *(3E-07, 6E-06)*	* *	-
CADMIUM	2E-06 *(8E-07, 2E-06)*	2E-05 *(1E-05, 1E-04)*	2E-04 *	* *	-
CHROMIUM (III)	6E-10 *(3E-10, 9E-10)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	1E-07 *(9E-08, 1E-07)*	-
CHROMIUM (VI)	6E-09 *(4E-09, 1E-08)*	1E-06 *(1E-07, 7E-06)*	7E-06 *	* *	-
COBALT	1E-10 *(1E-10, 2E-10)*	4E-09 *(2E-09, 5E-09)*	7E-09 *(5E-09, 9E-09)*	2E-08 *(1E-08, 2E-08)*	-
MANGANESE	4E-09 *(2E-09, 7E-09)*	2E-07 *(5E-08, 3E-07)*	3E-07 *(1E-07, 5E-07)*	5E-07 *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 9E-07)*	1E-05 *(6E-06, 3E-05)*	5E-05 *(1E-05, 9E-05)*	3E-04 *(7E-05, 5E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 1E-05	max: 8E-03		
NICKEL	3E-09 *(2E-09, 8E-09)*	7E-07 *(2E-07, 2E-06)*	2E-06 *(5E-07, 3E-06)*	* *	-
SELENIUM	7E-07 *(2E-07, 9E-07)*	2E-05 *(8E-06, 3E-05)*	5E-05 *(2E-05, 9E-05)*	* *	-
SILVER	9E-10 *(4E-10, 4E-09)*	2E-07 *(5E-08, 5E-07)*	6E-07 *(2E-07, 2E-06)*	* *	-
THALLIUM	3E-07 *(2E-07, 7E-07)*	1E-05 *(4E-06, 2E-05)*	6E-05 *(1E-05, 4E-04)*	7E-04 *(2E-04, 8E-04)*	-
Hazard Index	5E-05 *(2E-05, 1E-04)*	3E-03 *(8E-04, 8E-03)*	8E-03 *(2E-03, 8E-03)*	9E-03 *(4E-03, 9E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(2E-05, 5E-05)*	1E-03 *(3E-04, 2E-03)*	3E-03 *(1E-03, 4E-03)*	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D195. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(3E-10, 8E-10)*	2E-08 *(5E-09, 3E-08)*	4E-08 *(2E-08, 7E-08)*	* *	-
ARSENIC	2E-11 *(5E-12, 4E-11)*	5E-10 *(2E-10, 2E-09)*	5E-09 *(6E-10, 9E-09)*	* *	-
Additive Risk	8E-10 *(5E-10, 9E-10)*	2E-08 *(7E-09, 4E-08)*	4E-08 *(2E-08, 8E-08)*	2E-07 *(5E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	3E-10 *(2E-10, 4E-10)*	6E-10 *(4E-10, 8E-10)*	2E-09 *	-
ARSENIC	2E-10 *(5E-11, 4E-10)*	6E-09 *(4E-09, 9E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
BERYLLIUM	3E-12 *(2E-12, 5E-12)*	1E-10 *(5E-11, 3E-10)*	5E-10 *(1E-10, 7E-10)*	1E-09 *	-
CADMIUM	7E-11 *(4E-11, 1E-10)*	1E-09 *(8E-10, 2E-09)*	3E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	3E-10 *(2E-10, 5E-10)*	7E-09 *(4E-09, 8E-09)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(6E-12, 2E-11)*	3E-10 *(2E-10, 4E-10)*	7E-10 *(4E-10, 1E-09)*	3E-09 *	-
Additive Risk	1E-09 *(8E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	6E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(3E-09, 5E-08)*	1E-04 *(3E-06, 8E-04)*	8E-04 *(1E-04, 1E-03)*	* *	-
ARSENIC	3E-07 *(9E-08, 7E-07)*	9E-06 *(4E-06, 4E-05)*	8E-05 *	* *	-
BARIUM	4E-09 *(2E-09, 8E-09)*	7E-08 *(5E-08, 9E-08)*	2E-07 *(8E-08, 3E-07)*	1E-06 *(6E-07, 1E-06)*	-
BERYLLIUM	4E-09 *(2E-09, 8E-09)*	1E-07 *(6E-08, 4E-07)*	6E-07 *(1E-07, 3E-06)*	* *	-
CADMIUM	9E-07 *(4E-07, 1E-06)*	1E-05 *(6E-06, 9E-05)*	1E-04 *	* *	-
CHROMIUM (III)	3E-10 *(2E-10, 6E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(5E-08, 7E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	8E-07 *(9E-08, 4E-06)*	5E-06 *	* *	-
COBALT	8E-10 *(3E-10, 1E-09)*	5E-08 *(9E-09, 9E-08)*	9E-08 *(5E-08, 1E-07)*	1E-07 *	-
MANGANESE	2E-09 *(1E-09, 4E-09)*	1E-07 *(2E-08, 2E-07)*	2E-07 *(8E-08, 3E-07)*	3E-07 *	-
MERCURY (DIVALENT)	2E-07 *(9E-08, 5E-07)*	7E-06 *(3E-06, 1E-05)*	2E-05 *(8E-06, 7E-05)*	2E-04 *(4E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 7E-06	max: 4E-03		
NICKEL	2E-09 *(1E-09, 4E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(3E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	9E-06 *(4E-06, 2E-05)*	3E-05 *(8E-06, 7E-05)*	* *	-
SILVER	5E-10 *(2E-10, 3E-09)*	2E-07 *(4E-08, 3E-07)*	4E-07 *(1E-07, 8E-07)*	* *	-
THALLIUM	2E-07 *(9E-08, 3E-07)*	8E-06 *(2E-06, 1E-05)*	3E-05 *(8E-06, 2E-04)*	4E-04 *(1E-04, 4E-04)*	-
Hazard Index	3E-05 *(1E-05, 6E-05)*	1E-03 *(5E-04, 4E-03)*	4E-03 *(1E-03, 4E-03)*	5E-03 *(2E-03, 5E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	1E-05 *(9E-06, 2E-05)*	7E-04 *(1E-04, 9E-04)*	1E-03 *(6E-04, 2E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	8E-04 *(2E-04, 1E-03)*	1E-03 *(8E-04, 3E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D196. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	9E-10 *(5E-10, 1E-09)*	4E-08 *(8E-09, 6E-08)*	7E-08 *(4E-08, 1E-07)*	* *	-
ARSENIC	2E-11 *(8E-12, 5E-11)*	7E-10 *(3E-10, 3E-09)*	6E-09 *	* *	-
Additive Risk	1E-09 *(8E-10, 1E-09)*	4E-08 *(1E-08, 7E-08)*	7E-08 *(4E-08, 1E-07)*	* *	-
Cancer - Inhalation					
TCDD-TEQ	2E-11 *(1E-11, 3E-11)*	3E-10 *(2E-10, 5E-10)*	7E-10 *(5E-10, 9E-10)*	2E-09 *	-
ARSENIC	2E-10 *(5E-11, 4E-10)*	7E-09 *(4E-09, 1E-08)*	1E-08 *(9E-09, 2E-08)*	4E-08 *	-
BERYLLIUM	4E-12 *(2E-12, 5E-12)*	2E-10 *(5E-11, 4E-10)*	5E-10 *(2E-10, 8E-10)*	1E-09 *	-
CADMIUM	7E-11 *(5E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	4E-09 *(2E-09, 6E-09)*	2E-08 *	-
CHROMIUM (VI)	4E-10 *(2E-10, 6E-10)*	8E-09 *(5E-09, 9E-09)*	1E-08 *(9E-09, 2E-08)*	3E-08 *	-
NICKEL	1E-11 *(7E-12, 2E-11)*	3E-10 *(2E-10, 5E-10)*	8E-10 *(5E-10, 1E-09)*	3E-09 *	-
Additive Risk	2E-09 *(9E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(3E-08, 4E-08)*	7E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	9E-09 *(2E-09, 4E-08)*	1E-04 *(3E-06, 9E-04)*	9E-04 *(1E-04, 1E-03)*	* *	-
ARSENIC	3E-07 *(9E-08, 6E-07)*	8E-06 *(4E-06, 4E-05)*	7E-05 *(9E-06, 2E-04)*	* *	-
BARIUM	1E-09 *(8E-10, 4E-09)*	5E-08 *(2E-08, 6E-08)*	9E-08 *(5E-08, 1E-07)*	5E-07 *(2E-07, 7E-07)*	-
BERYLLIUM	3E-09 *(1E-09, 5E-09)*	9E-08 *(4E-08, 2E-07)*	3E-07 *(9E-08, 2E-06)*	* *	-
CADMIUM	9E-07 *(4E-07, 1E-06)*	9E-06 *(7E-06, 7E-05)*	9E-05 *	* *	-
CHROMIUM (III)	1E-10 *(8E-11, 2E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(6E-09, 9E-09)*	2E-08 *(2E-08, 3E-08)*	-
CHROMIUM (VI)	3E-09 *(2E-09, 9E-09)*	1E-06 *(9E-08, 5E-06)*	6E-06 *(8E-07, 1E-05)*	* *	-
COBALT	5E-10 *(2E-10, 1E-09)*	6E-08 *(6E-09, 9E-08)*	9E-08 *(3E-08, 1E-07)*	1E-07 *	-
MANGANESE	1E-09 *(7E-10, 4E-09)*	1E-07 *(1E-08, 3E-07)*	3E-07 *(1E-07, 4E-07)*	4E-07 *	-
MERCURY (DIVALENT)	1E-07 *(5E-08, 2E-07)*	3E-06 *(1E-06, 7E-06)*	9E-06 *(3E-06, 2E-05)*	7E-05 *(1E-05, 9E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 8E-06	max: 5E-03		
NICKEL	2E-09 *(1E-09, 2E-09)*	5E-07 *(1E-07, 1E-06)*	1E-06 *(4E-07, 2E-06)*	* *	-
SELENIUM	4E-07 *(1E-07, 6E-07)*	1E-05 *(5E-06, 2E-05)*	3E-05 *(9E-06, 8E-05)*	* *	-
SILVER	6E-10 *(1E-10, 3E-09)*	2E-07 *(4E-08, 5E-07)*	5E-07 *(1E-07, 9E-07)*	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	8E-06 *(2E-06, 2E-05)*	3E-05 *(9E-06, 2E-04)*	4E-04 *(1E-04, 5E-04)*	-
Hazard Index	3E-05 *(9E-06, 6E-05)*	1E-03 *(5E-04, 5E-03)*	5E-03 *(1E-03, 5E-03)*	6E-03 *(2E-03, 6E-03)*	-
Non-Cancer - Inhalation					
BARIUM	9E-07 *(5E-07, 1E-06)*	2E-05 *(1E-05, 3E-05)*	5E-05 *(3E-05, 9E-05)*	2E-04 *	-
CHLORINE (CL2)	3E-04 *(2E-04, 5E-04)*	6E-03 *(3E-03, 1E-02)*	1E-02 *(6E-03, 2E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	8E-05 *(5E-05, 1E-04)*	8E-04 *(6E-04, 1E-03)*	1E-03 *(1E-03, 2E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	3E-05 *(3E-05, 4E-05)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	1E-03 *(1E-03, 1E-03)*	-
MERCURY (ELEMENTAL)	1E-06 *(6E-07, 3E-06)*	6E-05 *(4E-05, 8E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *	-
Hazard Index	7E-04 *(5E-04, 1E-03)*	7E-03 *(4E-03, 1E-02)*	1E-02 *(8E-03, 2E-02)*	4E-02 *(3E-02, 5E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	2E-05 *(8E-06, 2E-05)*	9E-04 *(1E-04, 1E-03)*	1E-03 *(8E-04, 2E-03)*	* *	-
TCDD-TEQ	2E-05 *(1E-05, 3E-05)*	9E-04 *(2E-04, 2E-03)*	2E-03 *(9E-04, 3E-03)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D197. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(2E-09, 1E-08)*	2E-08 *	5E-08 *	* *	-
ARSENIC	1E-10 *(2E-11, 9E-10)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(3E-09, 5E-09)*	* *	-
Additive Risk	6E-09 *(4E-09, 1E-08)*	2E-08 *(2E-08, 8E-08)*	8E-08 *(2E-08, 9E-08)*	1E-07 *	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(7E-11, 2E-10)*	1E-09 *(7E-10, 2E-09)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 4E-09)*	-
ARSENIC	7E-10 *(2E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(3E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(1E-11, 2E-11)*	2E-10 *(7E-11, 1E-09)*	1E-09 *(1E-10, 3E-09)*	6E-09 *(2E-10, 7E-09)*	-
CADMIUM	2E-10 *(9E-11, 4E-10)*	5E-09 *(4E-09, 6E-09)*	1E-08 *(1E-08, 2E-08)*	5E-08 *(5E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 4E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	6E-11 *(4E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 6E-09)*	8E-09 *(8E-09, 8E-09)*	-
Additive Risk	3E-09 *(2E-09, 5E-09)*	4E-08 *(2E-08, 5E-08)*	8E-08 *(6E-08, 9E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	6E-07 *(2E-07, 9E-06)*	* *	* *	* *	-
ARSENIC	3E-06 *(7E-07, 2E-05)*	9E-05 *(4E-05, 1E-04)*	1E-04 *(8E-05, 1E-04)*	2E-04 *(2E-04, 2E-04)*	-
BARIUM	1E-07 *(4E-08, 3E-07)*	3E-06 *(2E-06, 4E-06)*	5E-06 *(3E-06, 6E-06)*	2E-05 *(1E-05, 2E-05)*	-
BERYLLIUM	7E-08 *(4E-08, 1E-07)*	1E-06 *(6E-07, 5E-06)*	5E-06 *(9E-07, 2E-05)*	4E-05 *(2E-06, 5E-05)*	-
CADMIUM	5E-06 *(9E-07, 2E-05)*	1E-04 *(8E-05, 2E-04)*	3E-04 *(3E-04, 4E-04)*	* *	-
CHROMIUM (III)	9E-09 *(6E-09, 1E-08)*	1E-07 *(1E-07, 2E-07)*	4E-07 *(3E-07, 5E-07)*	8E-07 *(7E-07, 8E-07)*	-
CHROMIUM (VI)	2E-08 *(9E-09, 3E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(5E-08, 2E-07)*	2E-07 *(2E-07, 2E-07)*	-
COBALT	6E-09 *(3E-09, 9E-09)*	7E-08 *(6E-08, 8E-08)*	1E-07 *(9E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
MANGANESE	6E-08 *(2E-08, 1E-07)*	9E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-05 *(9E-06, 2E-05)*	2E-04 *(6E-05, 5E-04)*	5E-04 *(9E-05, 8E-04)*	* *	-
MERCURY (METHYL)[a]	min: 9E-08	median: 1E-04	max: 6E-03		
NICKEL	4E-08 *(2E-08, 3E-07)*	1E-06 *(5E-07, 1E-06)*	1E-06 *(1E-06, 1E-06)*	3E-06 *(3E-06, 3E-06)*	-
SELENIUM	5E-06 *(7E-07, 1E-05)*	8E-05 *	* *	* *	-
SILVER	4E-09 *(2E-09, 1E-08)*	2E-06 *	* *	* *	-
THALLIUM	1E-05 *(9E-07, 6E-05)*	7E-04 *(2E-04, 8E-04)*	9E-04 *(8E-04, 1E-03)*	2E-03 *(2E-03, 2E-03)*	-
Hazard Index	1E-03 *(9E-04, 4E-03)*	5E-03 *(4E-03, 6E-03)*	6E-03 *(4E-03, 6E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(1E-04, 5E-04)*	9E-04 *(7E-04, 3E-03)*	2E-03 *(9E-04, 4E-03)*	5E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D198. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(2E-09, 9E-09)*	2E-08 *(1E-08, 5E-08)*	5E-08 *	* *	-
ARSENIC	9E-11 *(1E-11, 8E-10)*	3E-09 *(1E-09, 3E-09)*	3E-09 *(2E-09, 3E-09)*	4E-09 *(4E-09, 4E-09)*	-
Additive Risk	5E-09 *(4E-09, 1E-08)*	2E-08 *(1E-08, 7E-08)*	6E-08 *(1E-08, 9E-08)*	1E-07 *(2E-08, 1E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	1E-10 *(8E-11, 2E-10)*	2E-09 *(8E-10, 2E-09)*	2E-09 *(2E-09, 3E-09)*	3E-09 *(3E-09, 4E-09)*	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	2E-08 *(2E-08, 3E-08)*	5E-08 *(4E-08, 5E-08)*	1E-07 *(1E-07, 1E-07)*	-
BERYLLIUM	1E-11 *(1E-11, 3E-11)*	2E-10 *(8E-11, 1E-09)*	1E-09 *(1E-10, 4E-09)*	6E-09 *(2E-10, 8E-09)*	-
CADMIUM	2E-10 *(1E-10, 4E-10)*	6E-09 *(4E-09, 7E-09)*	2E-08 *(1E-08, 2E-08)*	6E-08 *(6E-08, 6E-08)*	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(1E-08, 1E-08)*	-
NICKEL	6E-11 *(4E-11, 1E-10)*	2E-09 *(1E-09, 3E-09)*	6E-09 *(4E-09, 7E-09)*	9E-09 *(9E-09, 9E-09)*	-
Additive Risk	3E-09 *(2E-09, 6E-09)*	4E-08 *(3E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(1E-07, 4E-06)*	* *	* *	* *	-
ARSENIC	2E-06 *(2E-07, 1E-05)*	5E-05 *(2E-05, 5E-05)*	6E-05 *(4E-05, 6E-05)*	8E-05 *(7E-05, 8E-05)*	-
BARIUM	4E-08 *(1E-08, 1E-07)*	8E-07 *(6E-07, 1E-06)*	1E-06 *(9E-07, 2E-06)*	4E-06 *(4E-06, 4E-06)*	-
BERYLLIUM	2E-08 *(1E-08, 5E-08)*	4E-07 *(1E-07, 2E-06)*	2E-06 *(2E-07, 5E-06)*	1E-05 *	-
CADMIUM	3E-06 *(4E-07, 1E-05)*	* *	* *	* *	-
CHROMIUM (III)	2E-09 *(1E-09, 4E-09)*	4E-08 *(3E-08, 5E-08)*	9E-08 *(7E-08, 1E-07)*	2E-07 *(2E-07, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(3E-09, 1E-08)*	4E-08 *	* *	* *	-
COBALT	1E-09 *(7E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(6E-08, 6E-08)*	-
MANGANESE	2E-08 *(7E-09, 5E-08)*	4E-07 *	9E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(2E-06, 7E-06)*	5E-05 *(1E-05, 1E-04)*	1E-04 *(3E-05, 2E-04)*	* *	-
MERCURY (METHYL)[a]	min: 2E-08	median: 1E-04	max: 4E-03		
NICKEL	1E-08 *(9E-09, 1E-07)*	6E-07 *(2E-07, 7E-07)*	7E-07 *(4E-07, 7E-07)*	9E-07 *(8E-07, 9E-07)*	-
SELENIUM	3E-06 *(5E-07, 6E-06)*	* *	* *	* *	-
SILVER	1E-09 *(9E-10, 9E-09)*	8E-07 *	* *	* *	-
THALLIUM	9E-06 *(8E-07, 3E-05)*	4E-04 *(8E-05, 7E-04)*	9E-04 *(8E-04, 9E-04)*	* *	-
Hazard Index	9E-04 *(8E-04, 2E-03)*	4E-03 *(3E-03, 4E-03)*	4E-03 *(3E-03, 4E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(8E-05, 3E-04)*	6E-04 *(4E-04, 1E-03)*	1E-03 *(5E-04, 2E-03)*	3E-03 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D199. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(1E-09, 5E-09)*	9E-09 *(6E-09, 2E-08)*	2E-08 *	5E-08 *	-
ARSENIC	6E-11 *(8E-12, 5E-10)*	1E-09 *(8E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 2E-09)*	-
Additive Risk	2E-09 *(2E-09, 6E-09)*	1E-08 *(7E-09, 3E-08)*	3E-08 *	5E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 1E-10)*	1E-09 *(5E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	-
ARSENIC	5E-10 *(2E-10, 1E-09)*	1E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 3E-08)*	8E-08 *(8E-08, 8E-08)*	-
BERYLLIUM	9E-12 *(7E-12, 2E-11)*	1E-10 *(5E-11, 9E-10)*	9E-10 *(8E-11, 3E-09)*	4E-09 *(1E-10, 5E-09)*	-
CADMIUM	1E-10 *(7E-11, 3E-10)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(7E-09, 1E-08)*	4E-08 *(4E-08, 4E-08)*	-
CHROMIUM (VI)	1E-10 *(8E-11, 2E-10)*	1E-09 *(9E-10, 1E-09)*	3E-09 *(2E-09, 3E-09)*	8E-09 *(8E-09, 9E-09)*	-
NICKEL	4E-11 *(3E-11, 7E-11)*	2E-09 *(9E-10, 2E-09)*	4E-09 *(2E-09, 4E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	3E-08 *(2E-08, 3E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *(9E-08, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	2E-07 *(7E-08, 3E-06)*	* *	* *	* *	-
ARSENIC	9E-07 *(1E-07, 9E-06)*	3E-05 *(1E-05, 3E-05)*	3E-05 *(2E-05, 3E-05)*	4E-05 *(4E-05, 4E-05)*	-
BARIUM	2E-08 *(7E-09, 7E-08)*	4E-07 *(3E-07, 6E-07)*	8E-07 *(5E-07, 9E-07)*	2E-06 *(2E-06, 2E-06)*	-
BERYLLIUM	1E-08 *(8E-09, 2E-08)*	2E-07 *(9E-08, 9E-07)*	8E-07 *(1E-07, 3E-06)*	7E-06 *(2E-07, 8E-06)*	-
CADMIUM	2E-06 *(2E-07, 8E-06)*	5E-05 *(3E-05, 6E-05)*	8E-05 *(7E-05, 9E-05)*	* *	-
CHROMIUM (III)	1E-09 *(9E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	6E-08 *(4E-08, 6E-08)*	* *	-
CHROMIUM (VI)	4E-09 *(2E-09, 9E-09)*	2E-08 *	* *	* *	-
COBALT	4E-09 *(9E-10, 8E-09)*	8E-08 *	* *	* *	-
MANGANESE	1E-08 *(4E-09, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	2E-06 *(1E-06, 4E-06)*	3E-05 *(9E-06, 8E-05)*	8E-05 *(1E-05, 1E-04)*	* *	-
MERCURY (METHYL)[a]	min: 1E-08	median: 5E-05	max: 2E-03		
NICKEL	8E-09 *(5E-09, 8E-08)*	4E-07 *(1E-07, 4E-07)*	4E-07 *(2E-07, 5E-07)*	5E-07 *(5E-07, 5E-07)*	-
SELENIUM	1E-06 *(3E-07, 4E-06)*	5E-05 *	* *	* *	-
SILVER	8E-10 *(5E-10, 5E-09)*	5E-07 *	* *	* *	-
THALLIUM	5E-06 *(5E-07, 2E-05)*	3E-04 *(5E-05, 4E-04)*	5E-04 *(4E-04, 5E-04)*	6E-04 *(6E-04, 6E-04)*	-
Hazard Index	5E-04 *(4E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(3E-05, 1E-04)*	3E-04 *(2E-04, 5E-04)*	5E-04 *	9E-04 *	-
TCDD-TEQ	7E-05 *(4E-05, 2E-04)*	3E-04 *(2E-04, 2E-03)*	2E-03 *(3E-04, 2E-03)*	2E-03 *(3E-04, 2E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D200. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(2E-09, 8E-09)*	2E-08 *	* *	* *	-
ARSENIC	8E-11 *(9E-12, 9E-10)*	* *	* *	* *	-
Additive Risk	4E-09 *(3E-09, 9E-09)*	2E-08 *(9E-09, 6E-08)*	6E-08 *	8E-08 *	-
Cancer - Inhalation					
TCDD-TEQ	8E-11 *(6E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(1E-09, 2E-09)*	2E-09 *(2E-09, 3E-09)*	-
ARSENIC	6E-10 *(2E-10, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(3E-08, 4E-08)*	9E-08 *(9E-08, 1E-07)*	-
BERYLLIUM	1E-11 *(8E-12, 2E-11)*	1E-10 *(6E-11, 1E-09)*	1E-09 *(9E-11, 3E-09)*	5E-09 *(2E-10, 6E-09)*	-
CADMIUM	1E-10 *(8E-11, 3E-10)*	4E-09 *(3E-09, 5E-09)*	1E-08 *(8E-09, 2E-08)*	5E-08 *(4E-08, 5E-08)*	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	1E-09 *(1E-09, 2E-09)*	3E-09 *(2E-09, 3E-09)*	1E-08 *(9E-09, 1E-08)*	-
NICKEL	5E-11 *(3E-11, 8E-11)*	2E-09 *(1E-09, 2E-09)*	4E-09 *(3E-09, 5E-09)*	6E-09 *(6E-09, 6E-09)*	-
Additive Risk	2E-09 *(1E-09, 4E-09)*	3E-08 *(2E-08, 4E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *(1E-07, 1E-07)*	-
Non-Cancer - Ingestion					
ANTIMONY	1E-07 *(7E-08, 3E-06)*	* *	* *	* *	-
ARSENIC	8E-07 *(1E-07, 9E-06)*	* *	* *	* *	-
BARIUM	9E-09 *(3E-09, 3E-08)*	2E-07 *(1E-07, 2E-07)*	3E-07 *(2E-07, 4E-07)*	9E-07 *(8E-07, 9E-07)*	-
BERYLLIUM	9E-09 *(6E-09, 2E-08)*	9E-08 *(4E-08, 7E-07)*	7E-07 *(6E-08, 2E-06)*	* *	-
CADMIUM	2E-06 *(2E-07, 9E-06)*	6E-05 *(2E-05, 7E-05)*	9E-05 *	* *	-
CHROMIUM (III)	6E-10 *(4E-10, 9E-10)*	9E-09 *(7E-09, 1E-08)*	2E-08 *(1E-08, 2E-08)*	* *	-
CHROMIUM (VI)	3E-09 *(1E-09, 8E-09)*	2E-08 *	* *	* *	-
COBALT	3E-09 *(5E-10, 5E-09)*	8E-08 *	* *	* *	-
MANGANESE	9E-09 *(2E-09, 1E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	7E-07 *(5E-07, 1E-06)*	1E-05 *(4E-06, 3E-05)*	3E-05 *(6E-06, 6E-05)*	* *	-
MERCURY (METHYL)[a]	min: 5E-09	median: 6E-05	max: 2E-03		
NICKEL	7E-09 *(6E-09, 9E-08)*	* *	* *	* *	-
SELENIUM	2E-06 *(3E-07, 7E-06)*	5E-05 *	* *	* *	-
SILVER	1E-09 *(3E-10, 6E-09)*	6E-07 *	* *	* *	-
THALLIUM	5E-06 *(4E-07, 1E-05)*	2E-04 *(5E-05, 3E-04)*	4E-04 *(4E-04, 4E-04)*	* *	-
Hazard Index	6E-04 *(4E-04, 1E-03)*	2E-03 *(1E-03, 2E-03)*	2E-03 *(1E-03, 2E-03)*	* *	-
Non-Cancer - Inhalation					
BARIUM	6E-06 *(2E-06, 2E-05)*	8E-05 *(6E-05, 9E-05)*	1E-04 *(1E-04, 2E-04)*	3E-04 *(3E-04, 3E-04)*	-
CHLORINE (CL2)	3E-05 *(9E-06, 9E-05)*	1E-03 *(4E-04, 3E-03)*	4E-03 *(9E-04, 5E-03)*	7E-03 *(5E-03, 8E-03)*	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(2E-05, 7E-05)*	8E-04 *(3E-04, 2E-03)*	2E-03 *(4E-04, 3E-03)*	4E-03 *(2E-03, 5E-03)*	-
MANGANESE	2E-04 *(1E-04, 3E-04)*	1E-03 *(1E-03, 1E-03)*	2E-03 *(1E-03, 2E-03)*	3E-03 *(3E-03, 3E-03)*	-
MERCURY (ELEMENTAL)	6E-06 *(4E-06, 2E-05)*	2E-04 *(1E-04, 2E-04)*	3E-04 *(2E-04, 4E-04)*	6E-04 *(5E-04, 7E-04)*	-
Hazard Index	5E-04 *(3E-04, 8E-04)*	4E-03 *(2E-03, 6E-03)*	7E-03 *(4E-03, 9E-03)*	1E-02 *(7E-03, 1E-02)*	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	8E-05 *(5E-05, 1E-04)*	4E-04 *	* *	* *	-
TCDD-TEQ	8E-05 *(5E-05, 2E-04)*	4E-04 *(2E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	2E-03 *(4E-04, 2E-03)*	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D201. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(1E-09, 2E-08)*	9E-08 *	* *	* *	-
ARSENIC	1E-10 *(7E-11, 3E-10)*	1E-08 *	* *	* *	-
Additive Risk	6E-09 *(2E-09, 4E-08)*	1E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	6E-11 *(4E-11, 1E-10)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	2E-09 *	-
ARSENIC	1E-09 *(4E-10, 2E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *	-
BERYLLIUM	2E-11 *(9E-12, 7E-11)*	7E-10 *(3E-10, 1E-09)*	1E-09 *(6E-10, 1E-09)*	2E-09 *	-
CADMIUM	5E-10 *(3E-10, 8E-10)*	5E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	7E-08 *	-
NICKEL	1E-10 *(6E-11, 2E-10)*	1E-09 *(5E-10, 2E-09)*	2E-09 *(8E-10, 3E-09)*	4E-09 *	-
Additive Risk	8E-09 *(5E-09, 1E-08)*	4E-08 *(4E-08, 6E-08)*	7E-08 *(5E-08, 8E-08)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-06 *(2E-07, 3E-05)*	2E-03 *	* *	* *	-
ARSENIC	3E-06 *(2E-06, 7E-06)*	4E-04 *	* *	* *	-
BARIUM	6E-08 *(3E-08, 9E-08)*	8E-07 *(4E-07, 3E-06)*	4E-06 *(6E-07, 8E-06)*	1E-05 *(5E-06, 1E-05)*	-
BERYLLIUM	2E-07 *(5E-08, 4E-07)*	9E-06 *(1E-06, 2E-05)*	2E-05 *(4E-06, 3E-05)*	4E-05 *(1E-05, 4E-05)*	-
CADMIUM	1E-05 *(4E-06, 2E-05)*	4E-04 *(4E-05, 5E-04)*	5E-04 *(2E-04, 5E-04)*	6E-04 *	-
CHROMIUM (III)	1E-08 *(9E-09, 2E-08)*	1E-07 *(9E-08, 2E-07)*	2E-07 *(1E-07, 3E-07)*	* *	-
CHROMIUM (VI)	1E-07 *(4E-08, 1E-06)*	2E-05 *	* *	* *	-
COBALT	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 4E-08)*	5E-08 *(4E-08, 7E-08)*	-
MANGANESE	3E-08 *(9E-09, 9E-08)*	4E-07 *(1E-07, 5E-07)*	5E-07 *	* *	-
MERCURY (DIVALENT)	3E-06 *(2E-06, 5E-06)*	5E-05 *(1E-05, 4E-04)*	3E-04 *(4E-05, 1E-03)*	2E-03 *(7E-05, 3E-03)*	-
MERCURY (METHYL)[a]	min: 1E-08	median: 1E-06	max: 1E-03		
NICKEL	1E-07 *(3E-08, 5E-07)*	3E-06 *(9E-07, 9E-06)*	8E-06 *(2E-06, 2E-05)*	2E-05 *	-
SELENIUM	2E-06 *(1E-06, 4E-06)*	5E-05 *	* *	* *	-
SILVER	1E-09 *(4E-10, 4E-08)*	7E-07 *	* *	* *	-
THALLIUM	8E-07 *(5E-07, 1E-06)*	1E-05 *	* *	* *	-
Hazard Index	2E-04 *(5E-05, 5E-04)*	5E-03 *(2E-03, 1E-02)*	1E-02 *(4E-03, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	2E-04 *(5E-05, 1E-03)*	5E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D202. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	4E-09 *(9E-10, 2E-08)*	9E-08 *	* *	* *	-
ARSENIC	9E-11 *(4E-11, 1E-10)*	7E-09 *	* *	* *	-
Additive Risk	6E-09 *(1E-09, 4E-08)*	1E-07 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	7E-11 *(5E-11, 1E-10)*	8E-10 *(4E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	3E-09 *	-
ARSENIC	1E-09 *(4E-10, 3E-09)*	2E-08 *(1E-08, 3E-08)*	4E-08 *(2E-08, 5E-08)*	6E-08 *	-
BERYLLIUM	3E-11 *(1E-11, 8E-11)*	8E-10 *(3E-10, 1E-09)*	1E-09 *(7E-10, 2E-09)*	2E-09 *	-
CADMIUM	6E-10 *(4E-10, 9E-10)*	6E-09 *(3E-09, 1E-08)*	1E-08 *(5E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	4E-09 *(2E-09, 5E-09)*	2E-08 *(1E-08, 3E-08)*	3E-08 *(2E-08, 4E-08)*	8E-08 *	-
NICKEL	1E-10 *(7E-11, 2E-10)*	1E-09 *(6E-10, 2E-09)*	2E-09 *(9E-10, 3E-09)*	5E-09 *	-
Additive Risk	9E-09 *(6E-09, 1E-08)*	5E-08 *(4E-08, 6E-08)*	8E-08 *(5E-08, 1E-07)*	1E-07 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-07 *(8E-08, 1E-05)*	8E-04 *	* *	* *	-
ARSENIC	1E-06 *(7E-07, 2E-06)*	2E-04 *	* *	* *	-
BARIUM	2E-08 *(1E-08, 3E-08)*	2E-07 *(9E-08, 7E-07)*	8E-07 *(1E-07, 2E-06)*	3E-06 *(1E-06, 4E-06)*	-
BERYLLIUM	6E-08 *(1E-08, 1E-07)*	2E-06 *	* *	* *	-
CADMIUM	6E-06 *(2E-06, 9E-06)*	* *	* *	* *	-
CHROMIUM (III)	3E-09 *(2E-09, 5E-09)*	3E-08 *(2E-08, 5E-08)*	6E-08 *(4E-08, 9E-08)*	* *	-
CHROMIUM (VI)	4E-08 *(1E-08, 6E-07)*	* *	* *	* *	-
COBALT	4E-10 *(3E-10, 6E-10)*	5E-09 *(4E-09, 7E-09)*	8E-09 *(6E-09, 9E-09)*	1E-08 *(1E-08, 2E-08)*	-
MANGANESE	9E-09 *(3E-09, 4E-08)*	2E-07 *(7E-08, 2E-07)*	2E-07 *	* *	-
MERCURY (DIVALENT)	8E-07 *(5E-07, 1E-06)*	1E-05 *(4E-06, 9E-05)*	8E-05 *(9E-06, 4E-04)*	6E-04 *(2E-05, 8E-04)*	-
MERCURY (METHYL)[a]	min: 3E-09	median: 3E-07	max: 7E-04		
NICKEL	5E-08 *(9E-09, 2E-07)*	2E-06 *	* *	* *	-
SELENIUM	1E-06 *(7E-07, 3E-06)*	4E-05 *	* *	* *	-
SILVER	5E-10 *(2E-10, 2E-08)*	4E-07 *	* *	* *	-
THALLIUM	4E-07 *(3E-07, 8E-07)*	7E-06 *	* *	* *	-
Hazard Index	1E-04 *(2E-05, 3E-04)*	3E-03 *(9E-04, 9E-03)*	9E-03 *(1E-03, 9E-03)*	9E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-04 *(3E-05, 1E-03)*	3E-03 *	* *	* *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D203. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-09 *(5E-10, 1E-08)*	6E-08 *	* *	* *	-
ARSENIC	5E-11 *(2E-11, 8E-11)*	8E-09 *	* *	* *	-
Additive Risk	3E-09 *(7E-10, 2E-08)*	7E-08 *(3E-08, 2E-07)*	1E-07 *(4E-08, 2E-07)*	3E-07 *(7E-08, 3E-07)*	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 9E-11)*	5E-10 *(2E-10, 8E-10)*	8E-10 *(5E-10, 1E-09)*	2E-09 *	-
ARSENIC	7E-10 *(3E-10, 2E-09)*	1E-08 *(7E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	2E-11 *(7E-12, 5E-11)*	5E-10 *(2E-10, 9E-10)*	9E-10 *(5E-10, 1E-09)*	1E-09 *	-
CADMIUM	4E-10 *(2E-10, 6E-10)*	4E-09 *(2E-09, 8E-09)*	8E-09 *(3E-09, 2E-08)*	2E-08 *	-
CHROMIUM (VI)	2E-09 *(1E-09, 4E-09)*	1E-08 *(9E-09, 2E-08)*	2E-08 *(1E-08, 3E-08)*	5E-08 *	-
NICKEL	8E-11 *(4E-11, 1E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *(6E-10, 2E-09)*	3E-09 *	-
Additive Risk	6E-09 *(4E-09, 7E-09)*	3E-08 *(3E-08, 4E-08)*	5E-08 *(3E-08, 6E-08)*	8E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	4E-07 *(4E-08, 6E-06)*	8E-04 *	* *	* *	-
ARSENIC	9E-07 *(3E-07, 1E-06)*	* *	* *	* *	-
BARIUM	1E-08 *(9E-09, 1E-08)*	1E-07 *(5E-08, 4E-07)*	5E-07 *(9E-08, 8E-07)*	2E-06 *(7E-07, 2E-06)*	-
BERYLLIUM	3E-08 *(8E-09, 8E-08)*	1E-06 *	* *	* *	-
CADMIUM	3E-06 *(1E-06, 5E-06)*	* *	* *	* *	-
CHROMIUM (III)	1E-09 *(1E-09, 2E-09)*	2E-08 *(1E-08, 2E-08)*	3E-08 *(2E-08, 5E-08)*	* *	-
CHROMIUM (VI)	2E-08 *(9E-09, 5E-07)*	* *	* *	* *	-
COBALT	1E-09 *(6E-10, 7E-09)*	6E-08 *	* *	* *	-
MANGANESE	5E-09 *(2E-09, 2E-08)*	* *	* *	* *	-
MERCURY (DIVALENT)	4E-07 *(2E-07, 7E-07)*	7E-06 *(2E-06, 6E-05)*	4E-05 *(5E-06, 2E-04)*	3E-04 *(1E-05, 4E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 2E-07	max: 4E-04		
NICKEL	2E-08 *(4E-09, 1E-07)*	1E-06 *	* *	* *	-
SELENIUM	8E-07 *(5E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	3E-10 *(9E-11, 1E-08)*	3E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	5E-06 *	* *	* *	-
Hazard Index	9E-05 *(1E-05, 2E-04)*	2E-03 *(5E-04, 5E-03)*	5E-03 *(1E-03, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-05 *(1E-05, 6E-04)*	1E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 8E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(1E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D204. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-09 *(8E-10, 2E-08)*	8E-08 *	* *	* *	-
ARSENIC	5E-11 *(2E-11, 9E-11)*	* *	* *	* *	-
Additive Risk	4E-09 *(8E-10, 3E-08)*	9E-08 *	* *	* *	-
Cancer - Inhalation					
TCDD-TEQ	5E-11 *(3E-11, 1E-10)*	6E-10 *(3E-10, 9E-10)*	9E-10 *(5E-10, 2E-09)*	2E-09 *	-
ARSENIC	8E-10 *(3E-10, 2E-09)*	2E-08 *(8E-09, 2E-08)*	3E-08 *(2E-08, 3E-08)*	4E-08 *	-
BERYLLIUM	2E-11 *(8E-12, 6E-11)*	6E-10 *(2E-10, 1E-09)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
CADMIUM	4E-10 *(3E-10, 7E-10)*	5E-09 *(2E-09, 9E-09)*	9E-09 *(4E-09, 2E-08)*	3E-08 *	-
CHROMIUM (VI)	3E-09 *(2E-09, 4E-09)*	2E-08 *(1E-08, 2E-08)*	2E-08 *(2E-08, 3E-08)*	6E-08 *	-
NICKEL	9E-11 *(5E-11, 1E-10)*	8E-10 *(4E-10, 1E-09)*	1E-09 *(7E-10, 3E-09)*	3E-09 *	-
Additive Risk	7E-09 *(4E-09, 8E-09)*	4E-08 *(3E-08, 5E-08)*	6E-08 *(4E-08, 7E-08)*	9E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	3E-07 *(3E-08, 6E-06)*	8E-04 *	* *	* *	-
ARSENIC	6E-07 *(3E-07, 1E-06)*	1E-04 *	* *	* *	-
BARIUM	9E-09 *(7E-09, 1E-08)*	4E-08 *(2E-08, 1E-07)*	2E-07 *(3E-08, 4E-07)*	7E-07 *(3E-07, 8E-07)*	-
BERYLLIUM	2E-08 *(5E-09, 5E-08)*	6E-07 *	* *	* *	-
CADMIUM	2E-06 *(1E-06, 6E-06)*	* *	* *	* *	-
CHROMIUM (III)	8E-10 *(6E-10, 1E-09)*	7E-09 *(5E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	* *	-
CHROMIUM (VI)	1E-08 *(7E-09, 3E-07)*	6E-06 *	* *	* *	-
COBALT	9E-10 *(3E-10, 6E-09)*	6E-08 *	* *	* *	-
MANGANESE	2E-09 *(9E-10, 2E-08)*	2E-07 *	* *	* *	-
MERCURY (DIVALENT)	1E-07 *(9E-08, 3E-07)*	3E-06 *(9E-07, 2E-05)*	2E-05 *(2E-06, 8E-05)*	* *	-
MERCURY (METHYL)[a]	min: 6E-10	median: 7E-08	max: 4E-04		
NICKEL	1E-08 *(2E-09, 1E-07)*	1E-06 *	* *	* *	-
SELENIUM	9E-07 *(6E-07, 2E-06)*	2E-05 *	* *	* *	-
SILVER	3E-10 *(7E-11, 1E-08)*	3E-07 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 4E-07)*	5E-06 *	* *	* *	-
Hazard Index	9E-05 *(1E-05, 2E-04)*	2E-03 *(4E-04, 6E-03)*	6E-03 *(1E-03, 6E-03)*	6E-03 *	-
Non-Cancer - Inhalation					
BARIUM	2E-06 *(1E-06, 4E-06)*	3E-05 *(1E-05, 9E-05)*	1E-04 *(2E-05, 2E-04)*	2E-04 *	-
CHLORINE (CL2)	1E-03 *(6E-04, 2E-03)*	1E-02 *(7E-03, 2E-02)*	3E-02 *(1E-02, 4E-02)*	4E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-04 *(2E-04, 3E-04)*	1E-03 *(9E-04, 2E-03)*	2E-03 *(1E-03, 4E-03)*	5E-03 *	-
MANGANESE	6E-05 *(4E-05, 8E-05)*	4E-04 *(3E-04, 5E-04)*	5E-04 *(4E-04, 7E-04)*	9E-04 *	-
MERCURY (ELEMENTAL)	2E-05 *(1E-05, 2E-05)*	9E-05 *(6E-05, 1E-04)*	1E-04 *(1E-04, 2E-04)*	3E-04 *	-
Hazard Index	2E-03 *(1E-03, 3E-03)*	2E-02 *(8E-03, 2E-02)*	3E-02 *(2E-02, 4E-02)*	5E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	6E-05 *(2E-05, 8E-04)*	2E-03 *	* *	* *	-
TCDD-TEQ	7E-05 *(2E-05, 9E-04)*	2E-03 *(1E-03, 1E-02)*	1E-02 *(2E-03, 1E-02)*	1E-02 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D205. Individual Risks and Hazard Quotients Based on Sector Results for Child (0-5) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	7E-10 *(1E-10, 1E-09)*	2E-09 *	3E-09 *	5E-09 *	-
ARSENIC	9E-12 *(5E-12, 7E-11)*	5E-10 *(1E-10, 7E-10)*	6E-10 *(2E-10, 7E-10)*	8E-10 *	-
Additive Risk	1E-09 *(3E-10, 2E-09)*	2E-09 *(2E-09, 4E-09)*	4E-09 *(2E-09, 4E-09)*	5E-09 *(2E-09, 6E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	8E-12 *(4E-12, 2E-11)*	2E-10 *(6E-11, 3E-10)*	3E-10 *(1E-10, 5E-10)*	8E-10 *	-
ARSENIC	5E-11 *(2E-11, 2E-10)*	3E-09 *(1E-09, 5E-09)*	6E-09 *(3E-09, 8E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 3E-11)*	3E-11 *(2E-11, 7E-11)*	2E-10 *	-
CADMIUM	4E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 7E-10)*	9E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	2E-09 *(1E-09, 4E-09)*	6E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(2E-12, 9E-12)*	7E-11 *(3E-11, 1E-10)*	1E-10 *(6E-11, 2E-10)*	3E-10 *	-
Additive Risk	5E-10 *(3E-10, 1E-09)*	7E-09 *(4E-09, 1E-08)*	1E-08 *(7E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	7E-09 *(2E-09, 2E-08)*	8E-07 *	* *	* *	-
ARSENIC	2E-07 *(1E-07, 1E-06)*	1E-05 *(4E-06, 1E-05)*	1E-05 *(6E-06, 2E-05)*	2E-05 *	-
BARIUM	5E-09 *(2E-09, 1E-08)*	1E-07 *(8E-08, 2E-07)*	3E-07 *(1E-07, 4E-07)*	7E-07 *	-
BERYLLIUM	9E-09 *(4E-09, 1E-08)*	9E-08 *(4E-08, 1E-07)*	1E-07 *(9E-08, 2E-07)*	4E-07 *(2E-07, 6E-07)*	-
CADMIUM	9E-07 *(7E-07, 3E-06)*	5E-06 *	* *	* *	-
CHROMIUM (III)	5E-10 *(2E-10, 1E-09)*	1E-08 *(6E-09, 3E-08)*	4E-08 *(1E-08, 8E-08)*	1E-07 *(6E-08, 2E-07)*	-
CHROMIUM (VI)	8E-09 *(6E-09, 1E-08)*	2E-07 *	* *	* *	-
COBALT	3E-10 *(1E-10, 5E-10)*	4E-09 *(3E-09, 6E-09)*	8E-09 *(5E-09, 1E-08)*	2E-08 *(1E-08, 3E-08)*	-
MANGANESE	6E-09 *(2E-09, 9E-09)*	4E-08 *(2E-08, 4E-07)*	3E-07 *(3E-08, 7E-07)*	* *	-
MERCURY (DIVALENT)	3E-07 *(9E-08, 1E-06)*	3E-05 *(8E-06, 8E-05)*	8E-05 *(2E-05, 2E-04)*	7E-04 *	-
MERCURY (METHYL)[a]	min: 4E-09	median: 7E-06	max: 1E-02		
NICKEL	3E-09 *(2E-09, 4E-09)*	9E-08 *	* *	* *	-
SELENIUM	3E-07 *(6E-08, 7E-07)*	4E-06 *	* *	* *	-
SILVER	2E-09 *(2E-10, 2E-08)*	7E-08 *	* *	* *	-
THALLIUM	2E-07 *(1E-07, 9E-07)*	7E-06 *(1E-06, 2E-05)*	1E-05 *(5E-06, 3E-05)*	4E-05 *	-
Hazard Index	3E-05 *(2E-05, 1E-04)*	7E-04 *(1E-04, 1E-02)*	1E-02 *(6E-04, 1E-02)*	1E-02 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	3E-05 *(7E-06, 6E-05)*	8E-05 *(7E-05, 1E-04)*	1E-04 *	2E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D206. Individual Risks and Hazard Quotients Based on Sector Results for Child (6-11) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	5E-10 *(1E-10, 1E-09)*	2E-09 *	3E-09 *	4E-09 *	-
ARSENIC	7E-12 *(4E-12, 5E-11)*	3E-10 *	* *	* *	-
Additive Risk	7E-10 *(2E-10, 1E-09)*	2E-09 *(2E-09, 4E-09)*	3E-09 *(2E-09, 4E-09)*	4E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	9E-12 *(5E-12, 2E-11)*	2E-10 *(7E-11, 3E-10)*	4E-10 *(2E-10, 6E-10)*	9E-10 *	-
ARSENIC	6E-11 *(2E-11, 3E-10)*	4E-09 *(2E-09, 6E-09)*	7E-09 *(3E-09, 9E-09)*	1E-08 *	-
BERYLLIUM	2E-12 *(1E-12, 3E-12)*	2E-11 *(1E-11, 4E-11)*	4E-11 *(2E-11, 8E-11)*	2E-10 *	-
CADMIUM	4E-11 *(2E-11, 6E-11)*	4E-10 *(2E-10, 8E-10)*	1E-09 *(5E-10, 1E-09)*	2E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 3E-10)*	3E-09 *(1E-09, 5E-09)*	7E-09 *(2E-09, 1E-08)*	2E-08 *	-
NICKEL	5E-12 *(3E-12, 1E-11)*	8E-11 *(3E-11, 1E-10)*	2E-10 *(7E-11, 3E-10)*	4E-10 *	-
Additive Risk	6E-10 *(3E-10, 1E-09)*	8E-09 *(4E-09, 1E-08)*	1E-08 *(8E-09, 2E-08)*	3E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	2E-09 *(8E-10, 1E-08)*	4E-07 *	* *	* *	-
ARSENIC	1E-07 *(7E-08, 9E-07)*	6E-06 *	* *	* *	-
BARIUM	1E-09 *(6E-10, 4E-09)*	7E-08 *(3E-08, 9E-08)*	9E-08 *(6E-08, 1E-07)*	2E-07 *(1E-07, 4E-07)*	-
BERYLLIUM	3E-09 *(2E-09, 6E-09)*	4E-08 *(1E-08, 5E-08)*	5E-08 *(3E-08, 7E-08)*	9E-08 *(7E-08, 2E-07)*	-
CADMIUM	7E-07 *(4E-07, 2E-06)*	3E-06 *	* *	* *	-
CHROMIUM (III)	1E-10 *(6E-11, 3E-10)*	4E-09 *(1E-09, 9E-09)*	1E-08 *(4E-09, 2E-08)*	4E-08 *(1E-08, 5E-08)*	-
CHROMIUM (VI)	4E-09 *(3E-09, 6E-09)*	1E-07 *	* *	* *	-
COBALT	7E-11 *(4E-11, 1E-10)*	1E-09 *(8E-10, 1E-09)*	2E-09 *(1E-09, 3E-09)*	5E-09 *(3E-09, 8E-09)*	-
MANGANESE	2E-09 *(8E-10, 6E-09)*	1E-08 *	* *	* *	-
MERCURY (DIVALENT)	9E-08 *(2E-08, 5E-07)*	9E-06 *(2E-06, 2E-05)*	2E-05 *(5E-06, 6E-05)*	2E-04 *(1E-05, 3E-04)*	-
MERCURY (METHYL)[a]	min: 1E-09	median: 6E-06	max: 8E-03		
NICKEL	2E-09 *(1E-09, 2E-09)*	5E-08 *	* *	* *	-
SELENIUM	2E-07 *(5E-08, 5E-07)*	3E-06 *	* *	* *	-
SILVER	9E-10 *(7E-11, 7E-09)*	4E-08 *	* *	* *	-
THALLIUM	1E-07 *(6E-08, 6E-07)*	4E-06 *(8E-07, 8E-06)*	7E-06 *(3E-06, 2E-05)*	* *	-
Hazard Index	2E-05 *(9E-06, 7E-05)*	5E-04 *(8E-05, 8E-03)*	8E-03 *(4E-04, 8E-03)*	8E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	n/a	n/a	n/a	n/a	n/a
TCDD-TEQ	1E-05 *(4E-06, 4E-05)*	6E-05 *(4E-05, 9E-05)*	8E-05 *(5E-05, 9E-05)*	1E-04 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D207. Individual Risks and Hazard Quotients Based on Sector Results for Child (12-19) of Recreational Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	3E-10 *(6E-11, 6E-10)*	9E-10 *	* *	* *	-
ARSENIC	4E-12 *(2E-12, 3E-11)*	2E-10 *	* *	* *	-
Additive Risk	4E-10 *(9E-11, 8E-10)*	9E-10 *(8E-10, 2E-09)*	1E-09 *(8E-10, 2E-09)*	2E-09 *	-
Cancer - Inhalation					
TCDD-TEQ	6E-12 *(3E-12, 1E-11)*	1E-10 *(5E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	6E-10 *	-
ARSENIC	4E-11 *(1E-11, 2E-10)*	2E-09 *(1E-09, 4E-09)*	4E-09 *(2E-09, 6E-09)*	8E-09 *	-
BERYLLIUM	1E-12 *(7E-13, 2E-12)*	1E-11 *(7E-12, 2E-11)*	3E-11 *(1E-11, 5E-11)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 4E-11)*	3E-10 *(1E-10, 5E-10)*	6E-10 *(3E-10, 9E-10)*	1E-09 *	-
CHROMIUM (VI)	1E-10 *(9E-11, 2E-10)*	2E-09 *(9E-10, 3E-09)*	4E-09 *(2E-09, 8E-09)*	1E-08 *	-
NICKEL	3E-12 *(2E-12, 6E-12)*	5E-11 *(2E-11, 9E-11)*	1E-10 *(4E-11, 2E-10)*	2E-10 *	-
Additive Risk	4E-10 *(2E-10, 7E-10)*	5E-09 *(3E-09, 7E-09)*	9E-09 *(5E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-09 *(5E-10, 7E-09)*	3E-07 *	* *	* *	-
ARSENIC	8E-08 *(4E-08, 5E-07)*	4E-06 *	* *	* *	-
BARIUM	7E-10 *(4E-10, 2E-09)*	4E-08 *(1E-08, 5E-08)*	5E-08 *(3E-08, 6E-08)*	9E-08 *(6E-08, 2E-07)*	-
BERYLLIUM	1E-09 *(9E-10, 3E-09)*	2E-08 *(9E-09, 3E-08)*	3E-08 *(1E-08, 4E-08)*	6E-08 *	-
CADMIUM	3E-07 *(2E-07, 9E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	8E-11 *(3E-11, 1E-10)*	2E-09 *(9E-10, 5E-09)*	6E-09 *(2E-09, 9E-09)*	2E-08 *(9E-09, 3E-08)*	-
CHROMIUM (VI)	2E-09 *(1E-09, 3E-09)*	8E-08 *	* *	* *	-
COBALT	3E-10 *(1E-10, 1E-09)*	3E-09 *	* *	* *	-
MANGANESE	9E-10 *(4E-10, 3E-09)*	8E-09 *	* *	* *	-
MERCURY (DIVALENT)	4E-08 *(1E-08, 2E-07)*	5E-06 *(1E-06, 9E-06)*	9E-06 *(2E-06, 3E-05)*	7E-05 *(6E-06, 1E-04)*	-
MERCURY (METHYL)[a]	min: 5E-10	median: 3E-06	max: 4E-03		
NICKEL	1E-09 *(9E-10, 1E-09)*	3E-08 *	* *	* *	-
SELENIUM	9E-08 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	6E-10 *(3E-11, 4E-09)*	3E-08 *	* *	* *	-
THALLIUM	9E-08 *(4E-08, 3E-07)*	2E-06 *(5E-07, 4E-06)*	4E-06 *(1E-06, 8E-06)*	* *	-
Hazard Index	1E-05 *(5E-06, 4E-05)*	3E-04 *(5E-05, 4E-03)*	4E-03 *(2E-04, 4E-03)*	4E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	7E-06 *(2E-06, 1E-05)*	2E-05 *	4E-05 *	6E-05 *	-
TCDD-TEQ	9E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 7E-05)*	7E-05 *(3E-05, 7E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-D208. Individual Risks and Hazard Quotients Based on Sector Results for Adult Recreational Fisher (20+) with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Percentile of Risk Distribution*				
	50%	90%	95%	99%	% > HBL
Cancer - Ingestion					
TCDD-TEQ	2E-10 *(9E-11, 9E-10)*	1E-09 *	1E-09 *	3E-09 *	-
ARSENIC	6E-12 *(2E-12, 4E-11)*	3E-10 *	* *	* *	-
Additive Risk	7E-10 *(1E-10, 1E-09)*	1E-09 *(1E-09, 2E-09)*	2E-09 *(1E-09, 3E-09)*	3E-09 *(1E-09, 3E-09)*	-
Cancer - Inhalation					
TCDD-TEQ	7E-12 *(4E-12, 1E-11)*	2E-10 *(5E-11, 2E-10)*	3E-10 *(1E-10, 4E-10)*	7E-10 *	-
ARSENIC	4E-11 *(1E-11, 2E-10)*	3E-09 *(1E-09, 4E-09)*	5E-09 *(3E-09, 7E-09)*	9E-09 *	-
BERYLLIUM	2E-12 *(8E-13, 3E-12)*	2E-11 *(8E-12, 3E-11)*	3E-11 *(2E-11, 6E-11)*	1E-10 *	-
CADMIUM	3E-11 *(2E-11, 5E-11)*	3E-10 *(2E-10, 6E-10)*	7E-10 *(4E-10, 1E-09)*	1E-09 *	-
CHROMIUM (VI)	2E-10 *(1E-10, 2E-10)*	2E-09 *(1E-09, 4E-09)*	5E-09 *(2E-09, 9E-09)*	1E-08 *	-
NICKEL	4E-12 *(2E-12, 7E-12)*	6E-11 *(2E-11, 1E-10)*	1E-10 *(5E-11, 2E-10)*	3E-10 *	-
Additive Risk	4E-10 *(3E-10, 8E-10)*	6E-09 *(3E-09, 8E-09)*	1E-08 *(6E-09, 1E-08)*	2E-08 *	-
Non-Cancer - Ingestion					
ANTIMONY	1E-09 *(3E-10, 8E-09)*	3E-07 *	* *	* *	-
ARSENIC	7E-08 *(3E-08, 5E-07)*	4E-06 *	* *	* *	-
BARIUM	3E-10 *(2E-10, 9E-10)*	3E-08 *(6E-09, 4E-08)*	4E-08 *(2E-08, 5E-08)*	6E-08 *	-
BERYLLIUM	9E-10 *(8E-10, 3E-09)*	1E-08 *(6E-09, 3E-08)*	2E-08 *(9E-09, 4E-08)*	4E-08 *(1E-08, 5E-08)*	-
CADMIUM	4E-07 *(2E-07, 8E-07)*	2E-06 *	* *	* *	-
CHROMIUM (III)	3E-11 *(1E-11, 9E-11)*	9E-10 *(3E-10, 2E-09)*	2E-09 *(9E-10, 4E-09)*	8E-09 *(4E-09, 1E-08)*	-
CHROMIUM (VI)	2E-09 *(1E-09, 4E-09)*	9E-08 *	* *	* *	-
COBALT	2E-10 *(9E-11, 1E-09)*	3E-09 *	* *	* *	-
MANGANESE	8E-10 *(3E-10, 4E-09)*	8E-09 *	* *	* *	-
MERCURY (DIVALENT)	2E-08 *(6E-09, 1E-07)*	2E-06 *(5E-07, 5E-06)*	5E-06 *(1E-06, 1E-05)*	4E-05 *(2E-06, 6E-05)*	-
MERCURY (METHYL)[a]	min: 2E-10	median: 4E-06	max: 5E-03		
NICKEL	1E-09 *(8E-10, 1E-09)*	2E-08 *	* *	* *	-
SELENIUM	1E-07 *(3E-08, 3E-07)*	1E-06 *	* *	* *	-
SILVER	7E-10 *(1E-11, 4E-09)*	3E-08 *	* *	* *	-
THALLIUM	8E-08 *(4E-08, 3E-07)*	3E-06 *(5E-07, 4E-06)*	4E-06 *	* *	-
Hazard Index	1E-05 *(5E-06, 4E-05)*	3E-04 *(5E-05, 5E-03)*	5E-03 *(2E-04, 5E-03)*	5E-03 *	-
Non-Cancer - Inhalation					
BARIUM	3E-07 *(2E-07, 7E-07)*	9E-06 *(3E-06, 1E-05)*	2E-05 *(7E-06, 3E-05)*	8E-05 *	-
CHLORINE (CL2)	2E-04 *(1E-04, 4E-04)*	3E-03 *(1E-03, 6E-03)*	6E-03 *(3E-03, 1E-02)*	3E-02 *	-
HYDROGEN CHLORIDE (HCL)	3E-05 *(1E-05, 6E-05)*	5E-04 *(2E-04, 7E-04)*	9E-04 *(5E-04, 1E-03)*	2E-03 *	-
MANGANESE	2E-05 *(1E-05, 3E-05)*	1E-04 *(1E-04, 2E-04)*	2E-04 *(1E-04, 4E-04)*	6E-04 *	-
MERCURY (ELEMENTAL)	2E-07 *(1E-07, 6E-07)*	5E-06 *(2E-06, 2E-05)*	2E-05 *(3E-06, 8E-05)*	2E-04 *	-
Hazard Index	4E-04 *(2E-04, 5E-04)*	4E-03 *(2E-03, 7E-03)*	7E-03 *(3E-03, 1E-02)*	3E-02 *	-
Incremental Margin of Exposure					
TCDD: BREAST MILK	5E-06 *(2E-06, 2E-05)*	3E-05 *	* *	* *	-
TCDD-TEQ	5E-06 *(2E-06, 2E-05)*	3E-05 *(3E-05, 8E-05)*	8E-05 *(3E-05, 8E-05)*	8E-05 *	-

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

[a] Percentile estimates could not be estimated due to an insufficient spread of modeled risk values. Risk from methyl mercury is driven by fish ingestion which was characterized identically for all sector areas of a given facility. Table 1 presents the coverage probabilities for specified combustor categories where "coverage" refers to the probability that the maximum risk value is from the top 10 percent of facilities in regard to hazardous waste emissions.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table V-E1. Number of Recreational Fishers Associated with Rural Sites having Modeled Waterbody Methylmercury Hazard Quotients of Potential Concern*

MACT options	Facilities		Recreational Fisher Population		
	Total Universe	Potential "at Risk"**	Total for Combustor Category***	Associated with "at Risk" Facilities	Percentage of Population at "At Risk" Facilities above an HQ of 1.0****
Cement Kilns					
Baseline	18	0	88,816	0	0
MACT Floor	18	0	88,816	0	0
MACT STD	18	0	88,816	0	0
MACT BTF	18	0	88,816	0	0
Commercial Incinerators					
Baseline	20	0	633,248	0	0
MACT Floor	20	0	633,248	0	0
MACT STD	20	0	633,248	0	0
MACT BTF	20	0	633,248	0	0
Lightweight Aggregate Kilns					
Baseline	5	0	123,244	0	0
MACT Floor	5	0	123,244	0	0
MACT STD	5	0	123,244	0	0
MACT BTF	5	0	123,244	0	0
Large On-Site Incinerators					
Baseline	43	0	1,744,765	0	0
MACT Floor	43	0	1,744,765	0	0
MACT STD	43	0	1,744,765	0	0
MACT BTF	43	0	1,744,765	0	0
Small On-Site Incinerators					
Baseline	79	0	1,712,284	0	0
MACT Floor	79	0	1,712,284	0	0
MACT STD	79	0	1,712,284	0	0
MACT BTF	79	0	1,712,284	0	0
Area Source Cement Kilns					
Baseline	2	0	8,839	0	0
MACT Floor	2	0	8,839	0	0
MACT STD	2	0	8,839	0	0
MACT BTF	2	0	8,839	0	0
Area Source Incinerators					
Baseline	28	0	603,554	0	0
MACT Floor	28	0	603,554	0	0
MACT STD	28	0	603,554	0	0
MACT BTF	28	0	603,554	0	0
All Incinerators					
Baseline	142	0	4,090,297	0	0
MACT Floor	142	0	4,090,297	0	0
MACT STD	142	0	4,090,297	0	0
MACT BTF	142	0	4,090,297	0	0

* The recreational fisher totals presented in this table are *qualitative* estimates since it is not possible to state definitively that fishing activity will occur exclusively at the modeled waterbodies evaluated for each site.
** "At risk" facilities are identified as those sites having 95th percentile methylmercury HQs (reflective of exposure parameter variability) greater than or equal to 1.0 for modeled waterbodies.
*** Excluding urban facilities.
**** Reflects proportion of recreational fisher population above an HQ of 1.0 at "at risk" sites.

Section VI. Individual Risk Results for Subsistence Scenarios

This section contains risk results for the subsistence farmer based on sector results and for the subsistence fisher based on sector and waterbody results for ages 0-5, 6-11, 12-19, and 20+ for Baseline and all three MACT options for each combustor category. Because it is not possible to enumerate either the subsistence farmer or subsistence fisher, all results are based on an assumption of equal population distribution across modeled sectors (i.e., sector-level risk results are not population-weighted). Because dioxin is a constituent of interest, results are presented for waste heat boilers as a separate combustor category.

Confidence intervals reflecting sampling error were generated for the majority of risk categories for all constituents with the exception of methylmercury for subsistence fishers. Percentile estimates for methylmercury for subsistence fishers could not be estimated due to an insufficient spread of modeled risk values. Risk from methylmercury is driven by fish ingestion, which was characterized using up to four risk values for each study area (each risk value corresponding to a different modeled waterbody within that study area).

Because risk results for lightweight aggregate kilns are based on modeling all facilities, there is no sampling error associated with these results and, consequently, confidence intervals reflecting sampling error were not generated. In addition, there are only two area source cement kilns in the facility population, and both were sampled and modeled. Accordingly, no sampling error exists and no confidence intervals were generated.

Table VI-A1. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-07	*(5E-07, 1E-06)*	6E-06	*(5E-06, 7E-06)*	9E-06	*(8E-06, 1E-05)*	**2E-05**	***(2E-05, 2E-05)***
ARSENIC	6E-10	*(4E-10, 9E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(9E-09, 3E-08)*	6E-08	*(3E-08, 7E-08)*
Additive Risk	9E-07	*(5E-07, 1E-06)*	7E-06	*(6E-06, 7E-06)*	**1E-05**	***(8E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(3E-10, 6E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-11	*(3E-11, 5E-11)*	5E-10	*(3E-10, 6E-10)*	6E-10	*(6E-10, 7E-10)*	2E-09	*(2E-09, 2E-09)*
CADMIUM	2E-09	*(2E-09, 3E-09)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*
NICKEL	8E-11	*(6E-11, 9E-11)*	9E-10	*(2E-10, 2E-09)*	2E-09	*(9E-10, 2E-09)*	7E-09	*(7E-09, 7E-09)*
Additive Risk	4E-09	*(3E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(3E-08, 3E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(1E-05, 4E-05)*	9E-04	*(3E-04, 1E-03)*	1E-03	*(7E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
ARSENIC	1E-05	*(9E-06, 2E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 7E-04)*	1E-03	*
BARIUM	9E-06	*(8E-06, 1E-05)*	2E-04	*(8E-05, 4E-04)*	5E-04	*(2E-04, 8E-04)*	*	*
BERYLLIUM	8E-07	*(6E-07, 1E-06)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	4E-05	*(3E-05, 4E-05)*
CADMIUM	1E-03	*(9E-04, 1E-03)*	9E-03	*(9E-03, 1E-02)*	1E-02	*(1E-02, 1E-02)*	7E-02	*(7E-02, 7E-02)*
CHROMIUM (III)	3E-07	*(2E-07, 3E-07)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*	2E-05	*(2E-05, 2E-05)*
CHROMIUM (VI)	2E-06	*(1E-06, 2E-06)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
COBALT	3E-06	*(3E-06, 4E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*
MANGANESE	6E-07	*(4E-07, 8E-07)*	4E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 6E-06)*	7E-06	*(7E-06, 8E-06)*
MERCURY (DIVALENT)	1E-03	*(9E-04, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*
MERCURY (METHYL)	8E-02	*(4E-02, 1E-01)*	3E-01	*	*	*	*	*
NICKEL	6E-06	*(4E-06, 8E-06)*	4E-05	*(3E-05, 6E-05)*	9E-05	*(5E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
SELENIUM	9E-04	*(5E-04, 1E-03)*	3E-02	*(1E-02, 4E-02)*	6E-02	*(4E-02, 6E-02)*	2E-01	*(2E-01, 2E-01)*
SILVER	5E-05	*(4E-05, 6E-05)*	4E-04	*(3E-04, 5E-04)*	8E-04	*(6E-04, 9E-04)*	2E-02	*(2E-02, 2E-02)*
THALLIUM	2E-03	*(1E-03, 3E-03)*	3E-02	*(2E-02, 8E-02)*	9E-02	*(3E-02, 2E-01)*	6E-01	*(1E-01, 7E-01)*
Hazard Index	1E-01	*(7E-02, 2E-01)*	5E-01	*(3E-01, 1)*	**1**	***(4E-01, 1)***	**1**	*
Non-Cancer - Inhalation								
BARIUM	2E-05	*(2E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 6E-04)*	5E-03	*(3E-03, 9E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(9E-04, 1E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	7E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	6E-05	*(5E-05, 7E-05)*	8E-05	*
Hazard Index	2E-03	*(2E-03, 3E-03)*	9E-03	*(6E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-02	*(2E-02, 6E-02)*	3E-01	*(2E-01, 3E-01)*	5E-01	*(4E-01, 6E-01)*	9E-01	*(9E-01, 9E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A2. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(1E-07, 6E-07)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 3E-10)*	6E-09	*(4E-09, 6E-09)*	8E-09	*(6E-09, 9E-09)*	5E-08	*
Additive Risk	3E-07	*(1E-07, 7E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	5E-06	*
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(3E-10, 6E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 1E-08)*	1E-08	*(3E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-11	*(2E-11, 4E-11)*	5E-10	*(3E-10, 6E-10)*	6E-10	*(6E-10, 7E-10)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	2E-09	*(1E-09, 3E-09)*	1E-08	*(9E-09, 1E-08)*	1E-08	*(1E-08, 1E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	3E-10	*(1E-10, 4E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*
NICKEL	7E-11	*(6E-11, 8E-11)*	7E-10	*(2E-10, 2E-09)*	2E-09	*(7E-10, 2E-09)*	7E-09	*(6E-09, 7E-09)*
Additive Risk	4E-09	*(3E-09, 5E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(6E-07, 2E-06)*	8E-05	*	*	*	*	*
ARSENIC	4E-06	*(3E-06, 8E-06)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
BARIUM	1E-06	*(9E-07, 2E-06)*	5E-05	*(1E-05, 9E-05)*	9E-05	*	*	*
BERYLLIUM	9E-07	*(7E-07, 1E-06)*	1E-05	*(6E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 4E-05)*
CADMIUM	2E-04	*(1E-04, 7E-04)*	9E-03	*(6E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	*	*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 2E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(1E-06, 2E-06)*
CHROMIUM (VI)	5E-08	*(2E-08, 1E-07)*	5E-07	*	*	*	*	*
COBALT	3E-08	*(2E-08, 3E-08)*	2E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 3E-07)*	3E-07	*(3E-07, 3E-07)*
MANGANESE	5E-08	*(3E-08, 6E-08)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-04	*(9E-05, 3E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	1E-02	*
MERCURY (METHYL)	5E-02	*(2E-02, 1E-01)*	5E-01	*(4E-01, 7E-01)*	8E-01	*	*	*
NICKEL	2E-07	*(1E-07, 2E-07)*	5E-06	*(1E-06, 6E-06)*	9E-06	*(6E-06, 1E-05)*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	9E-09	*(3E-09, 6E-08)*	3E-06	*(1E-07, 5E-06)*	8E-06	*(6E-06, 8E-06)*	*	*
THALLIUM	2E-04	*(1E-04, 5E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(9E-03, 3E-02)*	*	*
Hazard Index	9E-02	*(2E-02, 2E-01)*	9E-01	*(5E-01, 9E-01)*	**1**	***(9E-01, 1)***	**1**	***(1 , 1)***
Non-Cancer - Inhalation								
BARIUM	2E-05	*(1E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 6E-04)*	4E-03	*(3E-03, 8E-03)*	9E-03	*(4E-03, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(9E-04, 2E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	7E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	5E-05	*(3E-05, 6E-05)*	6E-05	*(5E-05, 6E-05)*	8E-05	*
Hazard Index	2E-03	*(2E-03, 3E-03)*	8E-03	*(6E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(6E-03, 3E-02)*	1E-01	*(8E-02, 1E-01)*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A3. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-07	*(4E-07, 9E-07)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(7E-06, 9E-06)*	**2E-05**	***(1E-05, 2E-05)***
ARSENIC	6E-10	*(4E-10, 8E-10)*	9E-09	*(5E-09, 1E-08)*	1E-08	*(9E-09, 3E-08)*	6E-08	*(3E-08, 7E-08)*
Additive Risk	7E-07	*(4E-07, 1E-06)*	6E-06	*(5E-06, 6E-06)*	**1E-05**	***(7E-06, 1E-05)***	**2E-05**	***(2E-05, 2E-05)***
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(3E-10, 6E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	5E-09	*(2E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	6E-10	*(4E-10, 7E-10)*	7E-10	*(6E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*
CADMIUM	2E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	4E-10	*(3E-10, 5E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	4E-09	*(3E-09, 4E-09)*
NICKEL	9E-11	*(7E-11, 1E-10)*	1E-09	*(3E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	5E-09	*(4E-09, 6E-09)*	2E-08	*(2E-08, 3E-08)*	3E-08	*(3E-08, 4E-08)*	3E-07	*(3E-07, 3E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(9E-06, 3E-05)*	6E-04	*(2E-04, 7E-04)*	8E-04	*(4E-04, 9E-04)*	1E-03	*(9E-04, 1E-03)*
ARSENIC	9E-06	*(8E-06, 1E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*
BARIUM	5E-06	*(4E-06, 8E-06)*	8E-05	*(4E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	5E-04	*
BERYLLIUM	3E-07	*(2E-07, 5E-07)*	5E-06	*(3E-06, 8E-06)*	9E-06	*(6E-06, 1E-05)*	*	*
CADMIUM	8E-04	*(6E-04, 9E-04)*	8E-03	*(7E-03, 9E-03)*	1E-02	*(1E-02, 1E-02)*	5E-02	*(5E-02, 5E-02)*
CHROMIUM (III)	1E-07	*(1E-07, 2E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	9E-06	*(9E-06, 9E-06)*
CHROMIUM (VI)	1E-06	*(8E-07, 1E-06)*	7E-06	*(6E-06, 9E-06)*	1E-05	*	*	*
COBALT	2E-06	*(1E-06, 2E-06)*	1E-05	*(9E-06, 1E-05)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	9E-04	*(6E-04, 1E-03)*	4E-03	*(3E-03, 7E-03)*	8E-03	*(4E-03, 1E-02)*	3E-02	*(1E-02, 5E-02)*
MERCURY (METHYL)	6E-02	*(3E-02, 8E-02)*	2E-01	*	*	*	*	*
NICKEL	3E-06	*(2E-06, 4E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
SELENIUM	6E-04	*(3E-04, 1E-03)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(3E-02, 5E-02)*	1E-01	*(1E-01, 1E-01)*
SILVER	2E-05	*(2E-05, 3E-05)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(3E-04, 6E-04)*	*	*
THALLIUM	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 6E-02)*	7E-02	*(2E-02, 1E-01)*	4E-01	*(7E-02, 5E-01)*
Hazard Index	1E-01	*(5E-02, 1E-01)*	3E-01	*(2E-01, 1)*	**1**	***(3E-01, 1)***	**1**	*
Non-Cancer - Inhalation								
BARIUM	2E-05	*(2E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 6E-04)*	5E-03	*(3E-03, 9E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(9E-04, 1E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	7E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	6E-05	*(5E-05, 7E-05)*	8E-05	*
Hazard Index	2E-03	*(2E-03, 3E-03)*	9E-03	*(6E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-02	*(1E-02, 3E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 4E-01)*	7E-01	*(7E-01, 7E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A4. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-07	*(1E-07, 8E-07)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*	*	*
ARSENIC	1E-10	*(9E-11, 2E-10)*	5E-09	*(3E-09, 5E-09)*	7E-09	*(5E-09, 9E-09)*	5E-08	*(9E-09, 6E-08)*
Additive Risk	4E-07	*(1E-07, 9E-07)*	4E-06	*(2E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(3E-10, 7E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	6E-10	*(4E-10, 7E-10)*	7E-10	*(6E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*
CADMIUM	2E-09	*(1E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 4E-09)*
NICKEL	8E-11	*(7E-11, 1E-10)*	8E-10	*(3E-10, 2E-09)*	2E-09	*(8E-10, 2E-09)*	8E-09	*(7E-09, 8E-09)*
Additive Risk	4E-09	*(3E-09, 5E-09)*	2E-08	*(2E-08, 3E-08)*	3E-08	*(3E-08, 4E-08)*	2E-07	*(2E-07, 3E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 8E-07)*	4E-05	*	*	*	*	*
ARSENIC	3E-06	*(2E-06, 4E-06)*	9E-05	*(5E-05, 9E-05)*	1E-04	*(9E-05, 2E-04)*	*	*
BARIUM	4E-07	*(3E-07, 6E-07)*	2E-05	*(3E-06, 3E-05)*	3E-05	*(1E-05, 5E-05)*	*	*
BERYLLIUM	4E-07	*(3E-07, 7E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(6E-06, 1E-05)*	2E-05	*
CADMIUM	2E-04	*(1E-04, 5E-04)*	9E-03	*(5E-03, 9E-03)*	1E-02	*(9E-03, 2E-02)*	*	*
CHROMIUM (III)	6E-09	*(5E-09, 8E-09)*	5E-08	*(5E-08, 7E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(4E-07, 5E-07)*
CHROMIUM (VI)	4E-08	*(9E-09, 9E-08)*	3E-07	*	*	*	*	*
COBALT	8E-09	*(6E-09, 9E-09)*	5E-08	*(4E-08, 6E-08)*	7E-08	*(6E-08, 7E-08)*	9E-08	*(9E-08, 9E-08)*
MANGANESE	1E-08	*(1E-08, 2E-08)*	3E-07	*	*	*	*	*
MERCURY (DIVALENT)	6E-05	*(2E-05, 9E-05)*	4E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 9E-04)*	3E-03	*
MERCURY (METHYL)	5E-02	*(2E-02, 1E-01)*	5E-01	*(4E-01, 7E-01)*	8E-01	*	*	*
NICKEL	9E-08	*(8E-08, 1E-07)*	2E-06	*(7E-07, 3E-06)*	6E-06	*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	4E-09	*(9E-10, 2E-08)*	2E-06	*(8E-08, 3E-06)*	4E-06	*(3E-06, 4E-06)*	*	*
THALLIUM	2E-04	*(1E-04, 4E-04)*	9E-03	*(3E-03, 2E-02)*	2E-02	*(8E-03, 3E-02)*	*	*
Hazard Index	9E-02	*(2E-02, 2E-01)*	9E-01	*(5E-01, 9E-01)*	**1**	***(9E-01, 1)***	**1**	*(1 , 1)*
Non-Cancer - Inhalation								
BARIUM	2E-05	*(1E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 6E-04)*	4E-03	*(3E-03, 8E-03)*	9E-03	*(4E-03, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(9E-04, 2E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	7E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	5E-05	*(3E-05, 6E-05)*	6E-05	*(5E-05, 6E-05)*	8E-05	*
Hazard Index	2E-03	*(2E-03, 3E-03)*	8E-03	*(6E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(5E-03, 2E-02)*	9E-02	*(8E-02, 1E-01)*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A5. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(2E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*	9E-06	*(9E-06, 9E-06)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	5E-09	*(3E-09, 7E-09)*	8E-09	*(5E-09, 1E-08)*	3E-08	*(1E-08, 4E-08)*
Additive Risk	3E-07	*(2E-07, 6E-07)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*	9E-06	*(9E-06, 9E-06)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	9E-09	*(9E-09, 9E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 8E-09)*	1E-08	*(3E-09, 1E-08)*	2E-08	*
BERYLLIUM	3E-11	*(2E-11, 3E-11)*	4E-10	*(2E-10, 4E-10)*	5E-10	*(4E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	2E-09	*(1E-09, 2E-09)*	8E-09	*(7E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*	1E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	2E-10	*(2E-10, 3E-10)*	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*
NICKEL	6E-11	*(5E-11, 7E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	8E-06	*(4E-06, 1E-05)*	3E-04	*(9E-05, 4E-04)*	4E-04	*(2E-04, 5E-04)*	6E-04	*(5E-04, 7E-04)*
ARSENIC	5E-06	*(4E-06, 8E-06)*	8E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*
BARIUM	2E-06	*(2E-06, 4E-06)*	5E-05	*(2E-05, 9E-05)*	9E-05	*(5E-05, 1E-04)*	*	*
BERYLLIUM	2E-07	*(1E-07, 2E-07)*	3E-06	*(1E-06, 4E-06)*	5E-06	*(3E-06, 6E-06)*	8E-06	*(7E-06, 9E-06)*
CADMIUM	4E-04	*(3E-04, 6E-04)*	4E-03	*(3E-03, 5E-03)*	6E-03	*(5E-03, 6E-03)*	*	*
CHROMIUM (III)	8E-08	*(6E-08, 9E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	5E-06	*(5E-06, 5E-06)*
CHROMIUM (VI)	5E-07	*(4E-07, 7E-07)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(4E-06, 6E-06)*	9E-06	*(8E-06, 9E-06)*
COBALT	9E-07	*(8E-07, 1E-06)*	5E-06	*(4E-06, 6E-06)*	7E-06	*(6E-06, 8E-06)*	*	*
MANGANESE	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	*	*	*	*
MERCURY (DIVALENT)	5E-04	*(3E-04, 6E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	2E-02	*
MERCURY (METHYL)	3E-02	*(2E-02, 5E-02)*	1E-01	*	*	*	*	*
NICKEL	1E-06	*(1E-06, 2E-06)*	1E-05	*(8E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	9E-05	*
SELENIUM	3E-04	*(2E-04, 6E-04)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	7E-02	*(7E-02, 7E-02)*
SILVER	1E-05	*(9E-06, 1E-05)*	9E-05	*(7E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-03	*(4E-03, 4E-03)*
THALLIUM	7E-04	*(4E-04, 9E-04)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 7E-02)*	2E-01	*(3E-02, 2E-01)*
Hazard Index	5E-02	*(3E-02, 8E-02)*	2E-01	*(1E-01, 5E-01)*	5E-01	*(2E-01, 5E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-05	*(2E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 6E-04)*	5E-03	*(3E-03, 9E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(9E-04, 1E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	7E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	6E-05	*(5E-05, 7E-05)*	8E-05	*
Hazard Index	2E-03	*(2E-03, 3E-03)*	9E-03	*(6E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-03	*(6E-03, 1E-02)*	7E-02	*(6E-02, 8E-02)*	1E-01	*(9E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*
TCDD-TEQ	1E-02	*(7E-03, 2E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(3E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A6. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(1E-07, 6E-07)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*	*	*
ARSENIC	9E-11	*(8E-11, 2E-10)*	3E-09	*(2E-09, 3E-09)*	6E-09	*(3E-09, 1E-08)*	*	*
Additive Risk	3E-07	*(1E-07, 7E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	8E-09	*(8E-09, 8E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 7E-09)*	9E-09	*(2E-09, 1E-08)*	1E-08	*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	4E-10	*(2E-10, 4E-10)*	5E-10	*(4E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	1E-09	*(9E-10, 2E-09)*	7E-09	*(6E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	9E-10	*(8E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	3E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(1E-07, 5E-07)*	3E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 3E-06)*	6E-05	*(3E-05, 6E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
BARIUM	2E-07	*(1E-07, 3E-07)*	1E-05	*(1E-06, 2E-05)*	2E-05	*(5E-06, 2E-05)*	*	*
BERYLLIUM	2E-07	*(1E-07, 4E-07)*	5E-06	*(1E-06, 8E-06)*	9E-06	*(3E-06, 1E-05)*	*	*
CADMIUM	1E-04	*(8E-05, 2E-04)*	6E-03	*(3E-03, 7E-03)*	1E-02	*(7E-03, 2E-02)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(5E-08, 8E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	3E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	1E-08	*(9E-09, 2E-08)*	3E-07	*	*	*	*	*
MANGANESE	9E-09	*(7E-09, 1E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	3E-05	*(1E-05, 4E-05)*	2E-04	*(9E-05, 3E-04)*	4E-04	*(2E-04, 5E-04)*	*	*
MERCURY (METHYL)	3E-02	*(1E-02, 9E-02)*	4E-01	*(3E-01, 5E-01)*	6E-01	*(4E-01, 7E-01)*	*	*
NICKEL	8E-08	*(5E-08, 9E-08)*	1E-06	*(5E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*	7E-06	*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	2E-09	*(6E-10, 1E-08)*	1E-06	*(6E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(7E-05, 2E-04)*	6E-03	*(2E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	*	*
Hazard Index	7E-02	*(2E-02, 1E-01)*	7E-01	*(4E-01, 7E-01)*	8E-01	*(7E-01, 8E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	2E-05	*(1E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 6E-04)*	4E-03	*(3E-03, 8E-03)*	9E-03	*(4E-03, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(9E-04, 2E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	7E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	5E-05	*(3E-05, 6E-05)*	6E-05	*(5E-05, 6E-05)*	8E-05	*
Hazard Index	2E-03	*(2E-03, 3E-03)*	8E-03	*(6E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-03	*(3E-03, 1E-02)*	7E-02	*(5E-02, 8E-02)*	*	*	*	*
TCDD-TEQ	1E-02	*(3E-03, 2E-02)*	9E-02	*(6E-02, 1E-01)*	1E-01	*(9E-02, 2E-01)*	2E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A7. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-07	*(2E-07, 6E-07)*	3E-06	*(3E-06, 4E-06)*	7E-06	*(4E-06, 8E-06)*	1E-05	*(1E-05, 1E-05)*
ARSENIC	6E-10	*(4E-10, 8E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	6E-08	*(3E-08, 7E-08)*
Additive Risk	4E-07	*(3E-07, 7E-07)*	4E-06	*(3E-06, 4E-06)*	7E-06	*(5E-06, 8E-06)*	**1E-05**	***(1E-05, 1E-05)***
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(3E-10, 6E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 1E-08)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	5E-10	*(4E-10, 6E-10)*	7E-10	*(6E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*
CADMIUM	2E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	4E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*
NICKEL	8E-11	*(7E-11, 1E-10)*	1E-09	*(3E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	4E-09	*(3E-09, 5E-09)*	2E-08	*(2E-08, 3E-08)*	3E-08	*(3E-08, 4E-08)*	3E-07	*(3E-07, 3E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(3E-06, 1E-05)*	2E-04	*(8E-05, 4E-04)*	5E-04	*(1E-04, 5E-04)*	6E-04	*(5E-04, 6E-04)*
ARSENIC	5E-06	*(4E-06, 8E-06)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(3E-04, 7E-04)*
BARIUM	1E-06	*(9E-07, 1E-06)*	3E-05	*(9E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	1E-04	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	3E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 5E-06)*	*	*
CADMIUM	5E-04	*(3E-04, 7E-04)*	4E-03	*(4E-03, 5E-03)*	6E-03	*(6E-03, 7E-03)*	3E-02	*(3E-02, 3E-02)*
CHROMIUM (III)	4E-08	*(3E-08, 5E-08)*	3E-07	*(3E-07, 5E-07)*	8E-07	*(7E-07, 9E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
COBALT	6E-07	*(5E-07, 8E-07)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*
MANGANESE	9E-08	*(9E-08, 1E-07)*	9E-07	*(6E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	*	*
MERCURY (DIVALENT)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	9E-03	*
MERCURY (METHYL)	4E-02	*(2E-02, 6E-02)*	1E-01	*	*	*	*	*
NICKEL	9E-07	*(7E-07, 1E-06)*	8E-06	*(6E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	6E-05	*(5E-05, 6E-05)*
SELENIUM	4E-04	*(2E-04, 7E-04)*	9E-03	*(7E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	8E-02	*(8E-02, 8E-02)*
SILVER	5E-06	*(4E-06, 7E-06)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(7E-05, 1E-04)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	6E-04	*(4E-04, 9E-04)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(9E-03, 6E-02)*	2E-01	*(3E-02, 2E-01)*
Hazard Index	6E-02	*(3E-02, 9E-02)*	2E-01	*(1E-01, 6E-01)*	6E-01	*(2E-01, 6E-01)*	6E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-05	*(2E-05, 3E-05)*	3E-04	*(2E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 6E-04)*	5E-03	*(3E-03, 9E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(9E-04, 1E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	7E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	6E-05	*(5E-05, 7E-05)*	8E-05	*
Hazard Index	2E-03	*(2E-03, 3E-03)*	9E-03	*(6E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-03	*(5E-03, 9E-03)*	6E-02	*(5E-02, 7E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*
TCDD-TEQ	7E-03	*(5E-03, 1E-02)*	7E-02	*(6E-02, 8E-02)*	1E-01	*(8E-02, 2E-01)*	2E-01	*(2E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A8. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-07	*(2E-07, 9E-07)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(5E-06, 7E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 2E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(7E-09, 2E-08)*	*	*
Additive Risk	5E-07	*(2E-07, 1E-06)*	5E-06	*(3E-06, 5E-06)*	6E-06	*(5E-06, 7E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	8E-09	*(7E-09, 8E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 7E-09)*	9E-09	*(2E-09, 1E-08)*	1E-08	*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	4E-10	*(2E-10, 4E-10)*	4E-10	*(4E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	1E-09	*(9E-10, 2E-09)*	7E-09	*(6E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	9E-10	*(8E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	3E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 5E-07)*	3E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 2E-06)*	6E-05	*(4E-05, 7E-05)*	1E-04	*(7E-05, 2E-04)*	*	*
BARIUM	1E-07	*(8E-08, 1E-07)*	5E-06	*(7E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	*	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	5E-06	*(1E-06, 7E-06)*	8E-06	*(2E-06, 1E-05)*	*	*
CADMIUM	1E-04	*(8E-05, 3E-04)*	6E-03	*(3E-03, 7E-03)*	1E-02	*(7E-03, 2E-02)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 2E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*	*	*
CHROMIUM (VI)	2E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	9E-09	*(4E-09, 2E-08)*	4E-07	*	*	*	*	*
MANGANESE	7E-09	*(3E-09, 1E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-05	*(5E-06, 2E-05)*	9E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	7E-04	*
MERCURY (METHYL)	3E-02	*(1E-02, 9E-02)*	4E-01	*(3E-01, 5E-01)*	6E-01	*(4E-01, 7E-01)*	*	*
NICKEL	7E-08	*(4E-08, 9E-08)*	1E-06	*(4E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(6E-06, 7E-06)*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	2E-09	*(5E-10, 1E-08)*	1E-06	*(6E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(7E-05, 2E-04)*	6E-03	*(2E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	*	*
Hazard Index	7E-02	*(2E-02, 1E-01)*	7E-01	*(4E-01, 7E-01)*	8E-01	*(7E-01, 8E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	7E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 4E-04)*	3E-03	*(2E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	8E-04	*(6E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*	3E-03	*(3E-03, 4E-03)*	5E-03	*
MANGANESE	3E-05	*(3E-05, 4E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*(1E-04, 2E-04)*	7E-04	*(7E-04, 7E-04)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 8E-06)*	3E-05	*(2E-05, 4E-05)*	4E-05	*(3E-05, 4E-05)*	6E-05	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	6E-03	*(4E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-03	*(3E-03, 1E-02)*	8E-02	*(6E-02, 9E-02)*	9E-02	*(8E-02, 1E-01)*	*	*
TCDD-TEQ	9E-03	*(3E-03, 2E-02)*	9E-02	*(6E-02, 9E-02)*	1E-01	*(9E-02, 1E-01)*	2E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A9. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(6E-08, 1E-06)*	**1E-05**	***(7E-06, 2E-05)***	*	*	*	*
ARSENIC	6E-10	*(1E-10, 2E-09)*	8E-09	*	*	*	*	*
Additive Risk	2E-07	*(6E-08, 1E-06)*	**1E-05**	***(7E-06, 2E-05)***	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 1E-09)*	1E-08	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 1E-09)*	1E-08	*(4E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 2E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
CHROMIUM (VI)	1E-09	*(9E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	4E-09	*(2E-09, 4E-09)*	*	*
NICKEL	7E-11	*(6E-11, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(7E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-08)*	2E-07	*(9E-08, 3E-07)*	4E-07	*(2E-07, 4E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	5E-05	*(4E-05, 5E-05)*	*	*	*	*	*	*
ARSENIC	1E-05	*(4E-06, 9E-05)*	*	*	*	*	*	*
BARIUM	3E-06	*(3E-06, 4E-06)*	3E-05	*	*	*	*	*
BERYLLIUM	1E-06	*(5E-07, 2E-06)*	*	*	*	*	*	*
CADMIUM	8E-05	*(2E-05, 4E-03)*	4E-02	*	*	*	*	*
CHROMIUM (III)	3E-07	*(8E-08, 6E-07)*	1E-05	*	*	*	*	*
CHROMIUM (VI)	3E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	*	*
COBALT	3E-06	*(3E-06, 3E-06)*	3E-05	*	*	*	*	*
MANGANESE	2E-07	*(6E-08, 8E-07)*	4E-06	*(1E-06, 7E-06)*	8E-06	*(6E-06, 8E-06)*	*	*
MERCURY (DIVALENT)	4E-03	*(2E-03, 7E-03)*	6E-02	*(2E-02, 7E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	1E-05	*(4E-06, 2E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(2E-04, 3E-04)*	2E-03	*	*	*	*	*
SILVER	3E-04	*(9E-05, 6E-04)*	1E-02	*	*	*	*	*
THALLIUM	6E-04	*(5E-04, 9E-04)*	*	*	*	*	*	*
Hazard Index	2E-01	*(2E-01, 2E-01)*	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 3E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-03	*(3E-03, 9E-02)*	7E-01	*(3E-01, 9E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A10. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*(5E-11, 6E-10)*	4E-09	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 2E-07)*	9E-07	*(5E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 7E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 7E-10)*	8E-09	*(3E-09, 1E-08)*	2E-08	*(8E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(2E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	*	*
CADMIUM	5E-11	*(4E-11, 1E-08)*	2E-07	*(6E-08, 2E-07)*	3E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*	*	*
NICKEL	7E-11	*(6E-11, 5E-10)*	5E-09	*(2E-09, 8E-09)*	1E-08	*(5E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 2E-08)*	2E-07	*(7E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*	*	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-05)*	*	*	*	*	*	*
BARIUM	5E-07	*(4E-07, 7E-07)*	3E-06	*	*	*	*	*
BERYLLIUM	9E-07	*(5E-07, 2E-06)*	6E-06	*	*	*	*	*
CADMIUM	2E-05	*(1E-05, 2E-03)*	8E-03	*(5E-03, 8E-03)*	9E-03	*	*	*
CHROMIUM (III)	3E-08	*(8E-09, 5E-08)*	6E-07	*	*	*	*	*
CHROMIUM (VI)	1E-07	*(8E-08, 3E-07)*	*	*	*	*	*	*
COBALT	2E-08	*(2E-08, 2E-08)*	2E-07	*	*	*	*	*
MANGANESE	7E-09	*(2E-09, 1E-07)*	7E-07	*(5E-07, 8E-07)*	9E-07	*	*	*
MERCURY (DIVALENT)	8E-04	*(6E-04, 1E-03)*	8E-03	*	*	*	*	*
MERCURY (METHYL)	4E-01	*(2E-01, 5E-01)*	*	*	*	*	*	*
NICKEL	9E-08	*	*	*	*	*	*	*
SELENIUM	9E-05	*(9E-05, 1E-04)*	*	*	*	*	*	*
SILVER	2E-09	*	*	*	*	*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-04	*(4E-04, 6E-04)*	6E-04	*(5E-04, 6E-04)*	*	*
Hazard Index	4E-01	*(4E-01, 5E-01)*	**1**	***(1 , 1)***	**1**	***(1 , 1)***	**1**	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(8E-04, 7E-03)*	4E-02	*(2E-02, 5E-02)*	5E-02	*(4E-02, 5E-02)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A11. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(5E-08, 1E-06)*	**1E-05**	***(6E-06, 2E-05)***	*	*	*	*
ARSENIC	5E-10	*(1E-10, 2E-09)*	7E-09	*	*	*	*	*
Additive Risk	1E-07	*(5E-08, 1E-06)*	**1E-05**	***(6E-06, 2E-05)***	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 2E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 2E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
BERYLLIUM	4E-11	*(3E-11, 2E-10)*	2E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
CADMIUM	7E-11	*(5E-11, 3E-08)*	2E-07	*(9E-08, 3E-07)*	4E-07	*(2E-07, 4E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	3E-09	*(2E-09, 4E-09)*	4E-09	*(3E-09, 5E-09)*	*	*
NICKEL	9E-11	*(7E-11, 1E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 3E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(3E-05, 3E-05)*	*	*	*	*	*	*
ARSENIC	9E-06	*(2E-06, 5E-05)*	1E-04	*	*	*	*	*
BARIUM	1E-06	*(1E-06, 2E-06)*	*	*	*	*	*	*
BERYLLIUM	8E-07	*(2E-07, 9E-07)*	5E-06	*	*	*	*	*
CADMIUM	6E-05	*(9E-06, 3E-03)*	3E-02	*	*	*	*	*
CHROMIUM (III)	1E-07	*(5E-08, 3E-07)*	6E-06	*	*	*	*	*
CHROMIUM (VI)	1E-06	*(1E-06, 2E-06)*	9E-06	*(7E-06, 1E-05)*	*	*	*	*
COBALT	2E-06	*(1E-06, 2E-06)*	1E-05	*	*	*	*	*
MANGANESE	1E-07	*(3E-08, 4E-07)*	2E-06	*	*	*	*	*
MERCURY (DIVALENT)	2E-03	*(1E-03, 4E-03)*	3E-02	*(1E-02, 4E-02)*	5E-02	*(4E-02, 5E-02)*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	8E-06	*(2E-06, 1E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(1E-04, 2E-04)*	2E-03	*	*	*	*	*
SILVER	1E-04	*(4E-05, 4E-04)*	*	*	*	*	*	*
THALLIUM	4E-04	*(3E-04, 6E-04)*	4E-03	*	*	*	*	*
Hazard Index	2E-01	*(2E-01, 2E-01)*	2E-01	*(2E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-03	*(2E-03, 5E-02)*	5E-01	*(2E-01, 7E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A12. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*(5E-11, 4E-10)*	2E-09	*(2E-09, 3E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
Additive Risk	3E-08	*(2E-08, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 9E-10)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 8E-10)*	9E-09	*(4E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(1E-09, 3E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 1E-08)*	2E-07	*(7E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(2E-09, 5E-09)*	*	*
NICKEL	8E-11	*(7E-11, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 2E-08)*	2E-07	*(8E-08, 3E-07)*	4E-07	*(2E-07, 5E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 2E-05)*	6E-05	*(5E-05, 6E-05)*	6E-05	*(6E-05, 6E-05)*	*	*
BARIUM	2E-07	*(8E-08, 3E-07)*	8E-07	*(7E-07, 1E-06)*	2E-06	*(8E-07, 2E-06)*	*	*
BERYLLIUM	5E-07	*(3E-07, 9E-07)*	2E-06	*(1E-06, 4E-06)*	5E-06	*	*	*
CADMIUM	2E-05	*(1E-05, 1E-03)*	*	*	*	*	*	*
CHROMIUM (III)	9E-09	*(2E-09, 1E-08)*	2E-07	*	*	*	*	*
CHROMIUM (VI)	7E-08	*(4E-08, 1E-07)*	*	*	*	*	*	*
COBALT	6E-09	*(5E-09, 6E-09)*	4E-08	*	*	*	*	*
MANGANESE	2E-09	*	*	*	*	*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 3E-04)*	2E-03	*	*	*	*	*
MERCURY (METHYL)	4E-01	*(2E-01, 5E-01)*	*	*	*	*	*	*
NICKEL	6E-08	*(4E-08, 1E-06)*	8E-06	*	*	*	*	*
SELENIUM	8E-05	*(8E-05, 9E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	1E-04	*(5E-05, 2E-04)*	*	*	*	*	*	*
Hazard Index	4E-01	*(4E-01, 5E-01)*	**1**	***(1 , 1)***	**1**	***(1 , 1)***	**1**	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 7E-03)*	*	*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A13. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(2E-08, 7E-07)*	6E-06	*	*	*	*	*
ARSENIC	3E-10	*(8E-11, 1E-09)*	4E-09	*	*	*	*	*
Additive Risk	7E-08	*(2E-08, 7E-07)*	6E-06	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	*	*
ARSENIC	1E-10	*(8E-11, 1E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 2E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	7E-10	*(7E-10, 7E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	6E-11	*(4E-11, 6E-10)*	5E-09	*(2E-09, 7E-09)*	8E-09	*(5E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 2E-08)*	2E-07	*(7E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(1E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*	5E-05	*(4E-05, 5E-05)*	*	*
ARSENIC	5E-06	*(1E-06, 3E-05)*	7E-05	*	*	*	*	*
BARIUM	8E-07	*(6E-07, 9E-07)*	*	*	*	*	*	*
BERYLLIUM	5E-07	*(8E-08, 6E-07)*	2E-06	*(9E-07, 4E-06)*	*	*	*	*
CADMIUM	3E-05	*(7E-06, 1E-03)*	*	*	*	*	*	*
CHROMIUM (III)	9E-08	*(2E-08, 2E-07)*	3E-06	*	*	*	*	*
CHROMIUM (VI)	7E-07	*(6E-07, 8E-07)*	6E-06	*(3E-06, 7E-06)*	*	*	*	*
COBALT	9E-07	*(9E-07, 1E-06)*	*	*	*	*	*	*
MANGANESE	7E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
MERCURY (DIVALENT)	1E-03	*(7E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	4E-06	*(9E-07, 8E-06)*	5E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 9E-05)*	*	*	*	*	*	*
SILVER	8E-05	*(2E-05, 2E-04)*	3E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	2E-03	*	*	*	*	*
Hazard Index	9E-02	*(9E-02, 9E-02)*	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 1E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(7E-04, 1E-02)*	1E-01	*(8E-02, 2E-01)*	*	*	*	*
TCDD-TEQ	3E-03	*(9E-04, 2E-02)*	2E-01	*(9E-02, 3E-01)*	4E-01	*(3E-01, 5E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A14. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	6E-11	*	*	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 6E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	*	*
ARSENIC	1E-10	*(8E-11, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 8E-11)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 9E-09)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	7E-10	*(7E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	3E-09	*(1E-09, 3E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 1E-05)*	*	*	*	*	*	*
BARIUM	1E-07	*(7E-08, 2E-07)*	4E-07	*	*	*	*	*
BERYLLIUM	3E-07	*(2E-07, 7E-07)*	1E-06	*	*	*	*	*
CADMIUM	1E-05	*(5E-06, 6E-04)*	*	*	*	*	*	*
CHROMIUM (III)	3E-09	*(9E-10, 7E-09)*	8E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	8E-09	*	*	*	*	*	*	*
MANGANESE	6E-10	*(3E-10, 3E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-04	*(8E-05, 2E-04)*	*	*	*	*	*	*
MERCURY (METHYL)	2E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	4E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
Hazard Index	3E-01	*(3E-01, 3E-01)*	**1**	***(1 , 1)***	**1**	***(1 , 1)***	**1**	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(4E-04, 4E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 1E-02)*	4E-02	*(2E-02, 4E-02)*	4E-02	*(4E-02, 4E-02)*	4E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A15. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(3E-08, 8E-07)*	7E-06	*(3E-06, 9E-06)*	*	*	*	*
ARSENIC	5E-10	*(1E-10, 3E-09)*	8E-09	*	*	*	*	*
Additive Risk	1E-07	*(3E-08, 8E-07)*	7E-06	*(3E-06, 1E-05)*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 2E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 1E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 2E-10)*	2E-09	*(7E-10, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 3E-08)*	2E-07	*(9E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 5E-09)*	*	*
NICKEL	8E-11	*(6E-11, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(9E-06, 1E-05)*	*	*	*	*	*	*
ARSENIC	5E-06	*(1E-06, 3E-05)*	8E-05	*	*	*	*	*
BARIUM	4E-07	*(4E-07, 5E-07)*	3E-06	*(2E-06, 6E-06)*	7E-06	*(5E-06, 7E-06)*	*	*
BERYLLIUM	3E-07	*(8E-08, 6E-07)*	*	*	*	*	*	*
CADMIUM	3E-05	*(8E-06, 2E-03)*	2E-02	*	*	*	*	*
CHROMIUM (III)	5E-08	*(1E-08, 9E-08)*	2E-06	*	*	*	*	*
CHROMIUM (VI)	4E-07	*(4E-07, 5E-07)*	3E-06	*(2E-06, 4E-06)*	*	*	*	*
COBALT	7E-07	*(5E-07, 8E-07)*	4E-06	*(3E-06, 7E-06)*	*	*	*	*
MANGANESE	5E-08	*(8E-09, 2E-07)*	7E-07	*	*	*	*	*
MERCURY (DIVALENT)	7E-04	*(4E-04, 1E-03)*	7E-03	*(3E-03, 1E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	2E-06	*(6E-07, 8E-06)*	3E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 1E-04)*	*	*	*	*	*	*
SILVER	3E-05	*(9E-06, 9E-05)*	1E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	*	*	*	*	*	*
Hazard Index	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 1E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(5E-04, 1E-02)*	1E-01	*(5E-02, 2E-01)*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 1E-02)*	1E-01	*(6E-02, 2E-01)*	3E-01	*(2E-01, 3E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A16. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(2E-08, 3E-07)*	*	*	*	*	*	*
ARSENIC	1E-10	*(5E-11, 8E-10)*	*	*	*	*	*	*
Additive Risk	6E-08	*(3E-08, 3E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 5E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	*	*
ARSENIC	9E-11	*(8E-11, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 8E-11)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 9E-09)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
CHROMIUM (VI)	7E-10	*(7E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	3E-09	*(1E-09, 3E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*	*	*	*	*	*	*
ARSENIC	9E-07	*(5E-07, 6E-06)*	3E-05	*(2E-05, 4E-05)*	4E-05	*(3E-05, 4E-05)*	*	*
BARIUM	5E-08	*(2E-08, 1E-07)*	3E-07	*	*	*	*	*
BERYLLIUM	2E-07	*(9E-08, 5E-07)*	1E-06	*	*	*	*	*
CADMIUM	1E-05	*(5E-06, 6E-04)*	*	*	*	*	*	*
CHROMIUM (III)	1E-09	*(5E-10, 3E-09)*	3E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	4E-09	*	*	*	*	*	*	*
MANGANESE	4E-10	*	*	*	*	*	*	*
MERCURY (DIVALENT)	5E-05	*(4E-05, 7E-05)*	6E-04	*	*	*	*	*
MERCURY (METHYL)	2E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	3E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	1E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*	*	*
Hazard Index	3E-01	*(3E-01, 3E-01)*	**1**	***(9E-01, 1)***	**1**	***(1 , 1)***	**1**	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(4E-06, 7E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	*	*
CHLORINE (CL2)	5E-05	*(4E-05, 6E-05)*	8E-05	*(7E-05, 8E-05)*	8E-05	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 2E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
MANGANESE	5E-06	*(5E-06, 5E-05)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	*	*
MERCURY (ELEMENTAL)	8E-06	*(5E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 1E-04)*	8E-04	*(3E-04, 1E-03)*	2E-03	*(8E-04, 2E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(4E-04, 5E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 1E-02)*	4E-02	*(2E-02, 4E-02)*	4E-02	*(4E-02, 4E-02)*	4E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A17. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	4E-06	**2E-05**	**3E-05**	*
ARSENIC	1E-09	8E-09	1E-08	*
Additive Risk	5E-06	**2E-05**	**3E-05**	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	6E-10	*
CADMIUM	1E-09	7E-09	2E-08	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	9E-09	*
Additive Risk	9E-09	3E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	2E-05	4E-04	9E-04	*
ARSENIC	3E-05	2E-04	4E-04	*
BARIUM	1E-06	2E-05	4E-05	*
BERYLLIUM	5E-07	6E-06	9E-06	*
CADMIUM	2E-04	3E-03	5E-03	*
CHROMIUM (III)	4E-07	5E-06	1E-05	*
CHROMIUM (VI)	2E-06	2E-05	4E-05	*
COBALT	1E-06	9E-06	1E-05	*
MANGANESE	2E-07	2E-06	3E-06	*
MERCURY (DIVALENT)	6E-04	9E-03	2E-02	*
MERCURY (METHYL)	2E-02	*	*	*
NICKEL	4E-06	7E-05	2E-04	*
SELENIUM	6E-05	7E-04	9E-04	*
SILVER	2E-05	2E-04	3E-04	*
THALLIUM	2E-04	2E-03	*	*
Hazard Index	3E-02	3E-01	3E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	5E-03	1E-02	*
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*
MANGANESE	6E-05	2E-04	3E-04	*
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*
Hazard Index	2E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-01	9E-01	1	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A18. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-07	2E-06	*	*
ARSENIC	6E-10	2E-09	2E-09	*
Additive Risk	4E-07	2E-06	3E-06	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	2E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	5E-10	*
CADMIUM	1E-09	6E-09	1E-08	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	9E-09	*
Additive Risk	9E-09	3E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	9E-06	8E-05	9E-05	*
ARSENIC	1E-05	5E-05	6E-05	7E-05
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	5E-07	4E-06	9E-06	*
CADMIUM	8E-05	7E-04	*	*
CHROMIUM (III)	4E-08	5E-07	9E-07	*
CHROMIUM (VI)	1E-07	9E-07	1E-06	1E-06
COBALT	1E-08	9E-08	1E-07	*
MANGANESE	4E-08	1E-07	1E-07	*
MERCURY (DIVALENT)	8E-05	1E-03	2E-03	*
MERCURY (METHYL)	8E-03	2E-01	*	*
NICKEL	4E-07	6E-06	7E-06	*
SELENIUM	8E-06	*	*	*
SILVER	6E-08	*	*	*
THALLIUM	3E-05	2E-04	*	*
Hazard Index	9E-03	2E-01	5E-01	5E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	8E-04	5E-03	8E-03	*
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*
MANGANESE	6E-05	2E-04	3E-04	*
MERCURY (ELEMENTAL)	1E-05	1E-04	3E-04	*
Hazard Index	2E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-02	9E-02	*	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A19. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-06	**1E-05**	**2E-05**	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	4E-06	**2E-05**	**2E-05**	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	2E-09	7E-09	9E-09	*
BERYLLIUM	6E-11	4E-10	7E-10	*
CADMIUM	1E-09	8E-09	2E-08	*
CHROMIUM (VI)	8E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	1E-08	*
Additive Risk	1E-08	4E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	1E-05	2E-04	6E-04	*
ARSENIC	2E-05	1E-04	3E-04	*
BARIUM	7E-07	1E-05	2E-05	*
BERYLLIUM	2E-07	2E-06	5E-06	*
CADMIUM	1E-04	2E-03	4E-03	*
CHROMIUM (III)	2E-07	3E-06	5E-06	*
CHROMIUM (VI)	9E-07	1E-05	2E-05	*
COBALT	8E-07	7E-06	9E-06	*
MANGANESE	1E-07	9E-07	*	*
MERCURY (DIVALENT)	3E-04	7E-03	1E-02	*
MERCURY (METHYL)	1E-02	*	*	*
NICKEL	2E-06	4E-05	1E-04	*
SELENIUM	4E-05	5E-04	7E-04	*
SILVER	9E-06	1E-04	2E-04	*
THALLIUM	1E-04	1E-03	*	*
Hazard Index	2E-02	2E-01	2E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	5E-03	1E-02	*
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*
MANGANESE	6E-05	2E-04	3E-04	*
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*
Hazard Index	2E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	1E-01	6E-01	7E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A20. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	5E-07	3E-06	*	*
ARSENIC	4E-10	2E-09	*	*
Additive Risk	5E-07	3E-06	*	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	2E-09	7E-09	9E-09	*
BERYLLIUM	7E-11	4E-10	5E-10	*
CADMIUM	1E-09	6E-09	1E-08	*
CHROMIUM (VI)	8E-10	6E-09	8E-09	*
NICKEL	2E-10	5E-09	1E-08	*
Additive Risk	1E-08	4E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	6E-06	*	*	*
ARSENIC	8E-06	3E-05	*	*
BARIUM	8E-08	9E-07	1E-06	*
BERYLLIUM	2E-07	1E-06	2E-06	4E-06
CADMIUM	6E-05	7E-04	*	*
CHROMIUM (III)	9E-09	1E-07	2E-07	*
CHROMIUM (VI)	6E-08	5E-07	6E-07	7E-07
COBALT	3E-09	2E-08	3E-08	*
MANGANESE	2E-08	4E-08	5E-08	*
MERCURY (DIVALENT)	2E-05	4E-04	7E-04	*
MERCURY (METHYL)	8E-03	2E-01	*	*
NICKEL	2E-07	3E-06	3E-06	*
SELENIUM	8E-06	*	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	2E-04	*	*
Hazard Index	9E-03	2E-01	5E-01	5E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	8E-04	5E-03	8E-03	*
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*
MANGANESE	6E-05	2E-04	3E-04	*
MERCURY (ELEMENTAL)	1E-05	1E-04	3E-04	*
Hazard Index	2E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-02	9E-02	*	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A21. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	1E-06	9E-06	1E-05	*
ARSENIC	6E-10	5E-09	8E-09	*
Additive Risk	2E-06	9E-06	**1E-05**	*
Cancer - Inhalation				
TCDD-TEQ	2E-09	9E-09	1E-08	*
ARSENIC	1E-09	5E-09	6E-09	*
BERYLLIUM	4E-11	2E-10	4E-10	*
CADMIUM	9E-10	5E-09	1E-08	*
CHROMIUM (VI)	5E-10	3E-09	5E-09	*
NICKEL	9E-11	3E-09	7E-09	*
Additive Risk	6E-09	2E-08	3E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	1E-04	3E-04	*
ARSENIC	9E-06	9E-05	1E-04	*
BARIUM	3E-07	6E-06	8E-06	*
BERYLLIUM	9E-08	9E-07	2E-06	*
CADMIUM	9E-05	1E-03	2E-03	*
CHROMIUM (III)	9E-08	1E-06	2E-06	*
CHROMIUM (VI)	5E-07	6E-06	9E-06	*
COBALT	3E-07	3E-06	4E-06	*
MANGANESE	8E-08	6E-07	7E-07	*
MERCURY (DIVALENT)	1E-04	3E-03	6E-03	*
MERCURY (METHYL)	6E-03	*	*	*
NICKEL	1E-06	2E-05	8E-05	*
SELENIUM	2E-05	2E-04	3E-04	*
SILVER	5E-06	6E-05	8E-05	*
THALLIUM	7E-05	6E-04	*	*
Hazard Index	1E-02	1E-01	1E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	5E-03	1E-02	*
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*
MANGANESE	6E-05	2E-04	3E-04	*
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*
Hazard Index	2E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	5E-02	2E-01	3E-01	*
TCDD-TEQ	6E-02	3E-01	4E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A22. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-07	2E-06	*	*
ARSENIC	3E-10	*	*	*
Additive Risk	3E-07	2E-06	*	*
Cancer - Inhalation				
TCDD-TEQ	2E-09	9E-09	1E-08	*
ARSENIC	1E-09	5E-09	6E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	9E-10	4E-09	9E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	7E-09	*
Additive Risk	7E-09	2E-08	3E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	*	*	*
ARSENIC	5E-06	2E-05	3E-05	3E-05
BARIUM	4E-08	5E-07	6E-07	*
BERYLLIUM	1E-07	9E-07	1E-06	2E-06
CADMIUM	4E-05	5E-04	*	*
CHROMIUM (III)	5E-09	7E-08	9E-08	*
CHROMIUM (VI)	4E-08	3E-07	4E-07	*
COBALT	2E-08	5E-08	5E-08	*
MANGANESE	1E-08	3E-08	3E-08	*
MERCURY (DIVALENT)	1E-05	2E-04	4E-04	*
MERCURY (METHYL)	6E-03	1E-01	*	*
NICKEL	1E-07	1E-06	2E-06	*
SELENIUM	6E-06	8E-05	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	6E-03	1E-01	3E-01	4E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	8E-04	5E-03	8E-03	*
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*
MANGANESE	6E-05	2E-04	3E-04	*
MERCURY (ELEMENTAL)	1E-05	1E-04	3E-04	*
Hazard Index	2E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	9E-03	5E-02	*	*
TCDD-TEQ	1E-02	8E-02	2E-01	2E-01

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A23. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	2E-06	9E-06	1E-05	*
ARSENIC	1E-09	9E-09	1E-08	*
Additive Risk	2E-06	**1E-05**	**1E-05**	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	2E-09	7E-09	9E-09	*
BERYLLIUM	6E-11	4E-10	7E-10	*
CADMIUM	1E-09	8E-09	2E-08	*
CHROMIUM (VI)	8E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	1E-08	*
Additive Risk	1E-08	4E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	8E-05	2E-04	*
ARSENIC	1E-05	9E-05	1E-04	*
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	9E-08	9E-07	2E-06	*
CADMIUM	9E-05	1E-03	2E-03	*
CHROMIUM (III)	6E-08	7E-07	9E-07	*
CHROMIUM (VI)	3E-07	4E-06	5E-06	*
COBALT	2E-07	2E-06	3E-06	*
MANGANESE	6E-08	4E-07	5E-07	*
MERCURY (DIVALENT)	9E-05	2E-03	5E-03	*
MERCURY (METHYL)	6E-03	*	*	*
NICKEL	8E-07	1E-05	4E-05	*
SELENIUM	2E-05	2E-04	4E-04	*
SILVER	2E-06	2E-05	3E-05	*
THALLIUM	6E-05	6E-04	8E-04	*
Hazard Index	1E-02	1E-01	1E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	5E-03	1E-02	*
HYDROGEN CHLORIDE (HCL)	2E-02	6E-02	9E-02	*
MANGANESE	6E-05	2E-04	3E-04	*
MERCURY (ELEMENTAL)	7E-06	1E-04	3E-04	*
Hazard Index	2E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	3E-02	1E-01	2E-01	*
TCDD-TEQ	3E-02	2E-01	2E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A24. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	6E-07	3E-06	*	*
ARSENIC	5E-10	2E-09	*	*
Additive Risk	6E-07	3E-06	*	*
Cancer - Inhalation				
TCDD-TEQ	2E-09	9E-09	1E-08	*
ARSENIC	1E-09	5E-09	6E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	9E-10	4E-09	9E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	7E-09	*
Additive Risk	7E-09	2E-08	3E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	3E-05	*	*
ARSENIC	5E-06	2E-05	3E-05	3E-05
BARIUM	2E-08	2E-07	3E-07	*
BERYLLIUM	9E-08	6E-07	9E-07	*
CADMIUM	3E-05	5E-04	*	*
CHROMIUM (III)	2E-09	3E-08	5E-08	*
CHROMIUM (VI)	4E-08	4E-07	*	*
COBALT	2E-08	*	*	*
MANGANESE	1E-08	2E-08	3E-08	*
MERCURY (DIVALENT)	5E-06	9E-05	1E-04	*
MERCURY (METHYL)	6E-03	1E-01	*	*
NICKEL	1E-07	2E-06	*	*
SELENIUM	6E-06	8E-05	*	*
SILVER	3E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	6E-03	1E-01	3E-01	4E-01
Non-Cancer - Inhalation				
BARIUM	5E-06	4E-05	7E-05	*
CHLORINE (CL2)	6E-04	3E-03	5E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	4E-02	6E-02	*
MANGANESE	4E-05	1E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	9E-05	2E-04	*
Hazard Index	1E-02	4E-02	6E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	9E-03	6E-02	8E-02	*
TCDD-TEQ	1E-02	8E-02	2E-01	2E-01

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A25. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(3E-08, 9E-08)*	5E-06	*(2E-06, 8E-06)*	**1E-05**	***(8E-06, 2E-05)***	**4E-05**	***(3E-05, 5E-05)***
ARSENIC	2E-10	*(9E-11, 5E-10)*	2E-08	*(8E-09, 9E-08)*	1E-07	*(4E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
Additive Risk	8E-08	*(4E-08, 1E-07)*	6E-06	*(3E-06, 9E-06)*	**1E-05**	***(9E-06, 2E-05)***	**4E-05**	***(3E-05, 6E-05)***
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 8E-11)*	3E-09	*(2E-09, 5E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*
ARSENIC	3E-10	*(1E-10, 6E-10)*	2E-08	*(1E-08, 5E-08)*	8E-08	*(3E-08, 2E-07)*	9E-07	*
BERYLLIUM	7E-12	*(5E-12, 1E-11)*	4E-10	*(1E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	4E-09	*
CADMIUM	1E-10	*(9E-11, 2E-10)*	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 1E-07)*	4E-07	*
CHROMIUM (VI)	8E-10	*(5E-10, 1E-09)*	2E-08	*(1E-08, 4E-08)*	6E-08	*(3E-08, 1E-07)*	3E-07	*
NICKEL	5E-11	*(3E-11, 8E-11)*	1E-09	*(8E-10, 1E-09)*	3E-09	*(1E-09, 4E-09)*	1E-08	*
Additive Risk	4E-09	*(2E-09, 6E-09)*	9E-08	*(5E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(9E-07, 4E-06)*	2E-03	*(6E-04, 5E-03)*	9E-03	*(2E-03, 2E-02)*	8E-02	*
ARSENIC	6E-06	*(2E-06, 1E-05)*	5E-04	*(2E-04, 2E-03)*	3E-03	*(9E-04, 5E-03)*	1E-02	*(5E-03, 2E-02)*
BARIUM	4E-07	*(2E-07, 6E-07)*	9E-06	*(7E-06, 1E-05)*	3E-05	*(1E-05, 5E-05)*	2E-04	*(9E-05, 3E-04)*
BERYLLIUM	3E-08	*(2E-08, 5E-08)*	2E-06	*(9E-07, 6E-06)*	1E-05	*(3E-06, 3E-05)*	7E-05	*(3E-05, 8E-05)*
CADMIUM	2E-05	*(1E-05, 3E-05)*	3E-03	*(1E-03, 7E-03)*	1E-02	*(5E-03, 2E-02)*	7E-02	*(3E-02, 1E-01)*
CHROMIUM (III)	5E-08	*(3E-08, 8E-08)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(3E-06, 7E-06)*	2E-05	*(1E-05, 4E-05)*
CHROMIUM (VI)	1E-06	*(8E-07, 2E-06)*	7E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 3E-04)*	1E-03	*
COBALT	3E-07	*(2E-07, 5E-07)*	4E-06	*(3E-06, 6E-06)*	9E-06	*(7E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
MANGANESE	3E-07	*(2E-07, 4E-07)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(6E-06, 8E-06)*	1E-05	*(1E-05, 2E-05)*
MERCURY (DIVALENT)	1E-04	*(9E-05, 3E-04)*	6E-03	*(3E-03, 9E-03)*	1E-02	*(8E-03, 2E-02)*	9E-02	*(4E-02, 1E-01)*
MERCURY (METHYL)	9E-04	*(4E-04, 1E-03)*	2E-02	*(1E-02, 4E-02)*	6E-02	*(2E-02, 9E-02)*	*	*
NICKEL	9E-07	*(5E-07, 1E-06)*	3E-05	*(2E-05, 5E-05)*	9E-05	*(5E-05, 1E-04)*	5E-04	*(3E-04, 6E-04)*
SELENIUM	1E-05	*(8E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	9E-04	*(6E-04, 1E-03)*	5E-03	*(2E-03, 7E-03)*
SILVER	9E-06	*(6E-06, 1E-05)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 8E-04)*	2E-02	*(8E-04, 7E-02)*
THALLIUM	2E-05	*(1E-05, 3E-05)*	1E-03	*(9E-04, 2E-03)*	5E-03	*(2E-03, 9E-03)*	4E-02	*(1E-02, 7E-02)*
Hazard Index	3E-03	*(2E-03, 6E-03)*	7E-02	*(4E-02, 1E-01)*	1E-01	*(9E-02, 2E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 1E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	9E-03	*(6E-03, 1E-02)*
MANGANESE	1E-04	*(1E-04, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	1E-04	*(6E-05, 2E-04)*	3E-04	*(2E-04, 6E-04)*	2E-03	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(1E-03, 5E-03)*	2E-01	*(1E-01, 4E-01)*	7E-01	*(4E-01, 9E-01)*	**2**	*(1 , 2)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A26. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-09	*(3E-09, 7E-09)*	5E-07	*(3E-07, 8E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
ARSENIC	1E-10	*(4E-11, 2E-10)*	7E-09	*(2E-09, 3E-08)*	8E-08	*(9E-09, 1E-07)*	*	*
Additive Risk	7E-09	*(4E-09, 1E-08)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 6E-11)*	2E-09	*(1E-09, 4E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*
ARSENIC	3E-10	*(1E-10, 7E-10)*	3E-08	*(1E-08, 6E-08)*	1E-07	*(3E-08, 3E-07)*	1E-06	*
BERYLLIUM	7E-12	*(4E-12, 1E-11)*	3E-10	*(1E-10, 9E-10)*	1E-09	*(5E-10, 2E-09)*	5E-09	*
CADMIUM	1E-10	*(8E-11, 2E-10)*	2E-08	*(7E-09, 3E-08)*	5E-08	*(2E-08, 1E-07)*	4E-07	*
CHROMIUM (VI)	7E-10	*(5E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	6E-08	*(3E-08, 1E-07)*	4E-07	*
NICKEL	5E-11	*(3E-11, 8E-11)*	1E-09	*(8E-10, 1E-09)*	3E-09	*(1E-09, 4E-09)*	1E-08	*(7E-09, 1E-08)*
Additive Risk	4E-09	*(2E-09, 7E-09)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	2E-06	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(4E-08, 8E-07)*	4E-04	*(2E-05, 2E-03)*	3E-03	*(5E-04, 2E-02)*	*	*
ARSENIC	3E-06	*(9E-07, 6E-06)*	1E-04	*(7E-05, 8E-04)*	1E-03	*(2E-04, 3E-03)*	6E-03	*
BARIUM	8E-08	*(4E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(2E-06, 7E-06)*	3E-05	*(1E-05, 5E-05)*
BERYLLIUM	4E-08	*(3E-08, 6E-08)*	2E-06	*(9E-07, 7E-06)*	1E-05	*(3E-06, 3E-05)*	7E-05	*(3E-05, 8E-05)*
CADMIUM	9E-06	*(4E-06, 1E-05)*	3E-03	*(6E-04, 5E-03)*	9E-03	*(4E-03, 2E-02)*	7E-02	*(1E-02, 8E-02)*
CHROMIUM (III)	4E-09	*(2E-09, 7E-09)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*	2E-06	*(1E-06, 3E-06)*
CHROMIUM (VI)	4E-08	*(2E-08, 6E-08)*	9E-06	*(2E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	*	*
COBALT	2E-09	*(1E-09, 3E-09)*	3E-08	*(3E-08, 4E-08)*	6E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 2E-07)*
MANGANESE	3E-08	*(2E-08, 4E-08)*	1E-06	*(3E-07, 2E-06)*	2E-06	*(9E-07, 3E-06)*	4E-06	*
MERCURY (DIVALENT)	1E-06	*(7E-07, 4E-06)*	9E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 7E-04)*	2E-03	*(7E-04, 5E-03)*
MERCURY (METHYL)	2E-05	*(8E-06, 9E-05)*	7E-03	*(2E-03, 2E-02)*	4E-02	*(9E-03, 8E-02)*	4E-01	*(8E-02, 5E-01)*
NICKEL	4E-08	*(2E-08, 9E-08)*	6E-06	*(1E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	4E-09	*(1E-09, 1E-08)*	1E-06	*(4E-07, 2E-06)*	3E-06	*(2E-06, 7E-06)*	*	*
THALLIUM	4E-06	*(2E-06, 8E-06)*	1E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 4E-03)*	*	*
Hazard Index	3E-04	*(2E-04, 7E-04)*	3E-02	*(2E-02, 5E-02)*	9E-02	*(4E-02, 1E-01)*	5E-01	*(1E-01, 7E-01)*
Non-Cancer - Inhalation								
BARIUM	4E-06	*(2E-06, 5E-06)*	7E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	1E-04	*(9E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	9E-05	*(6E-05, 2E-04)*	3E-04	*(1E-04, 6E-04)*	3E-03	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(4E-02, 7E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A27. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(2E-08, 9E-08)*	4E-06	*(2E-06, 7E-06)*	1E-05	*(6E-06, 1E-05)*	**3E-05**	***(2E-05, 4E-05)***
ARSENIC	2E-10	*(9E-11, 5E-10)*	2E-08	*(7E-09, 7E-08)*	9E-08	*(4E-08, 1E-07)*	5E-07	*(2E-07, 7E-07)*
Additive Risk	7E-08	*(3E-08, 1E-07)*	5E-06	*(2E-06, 7E-06)*	**1E-05**	***(7E-06, 2E-05)***	**3E-05**	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 9E-11)*	4E-09	*(2E-09, 6E-09)*	1E-08	*(5E-09, 1E-08)*	2E-08	*
ARSENIC	4E-10	*(1E-10, 7E-10)*	2E-08	*(1E-08, 6E-08)*	9E-08	*(3E-08, 3E-07)*	1E-06	*
BERYLLIUM	8E-12	*(5E-12, 1E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(7E-10, 2E-09)*	5E-09	*
CADMIUM	2E-10	*(1E-10, 3E-10)*	2E-08	*(7E-09, 3E-08)*	4E-08	*(2E-08, 1E-07)*	5E-07	*
CHROMIUM (VI)	9E-10	*(6E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	6E-08	*(3E-08, 1E-07)*	4E-07	*
NICKEL	6E-11	*(4E-11, 1E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*
Additive Risk	5E-09	*(3E-09, 7E-09)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(5E-07, 3E-06)*	1E-03	*(4E-04, 3E-03)*	7E-03	*(1E-03, 1E-02)*	6E-02	*
ARSENIC	4E-06	*(1E-06, 9E-06)*	4E-04	*(1E-04, 1E-03)*	1E-03	*(7E-04, 3E-03)*	8E-03	*(3E-03, 1E-02)*
BARIUM	2E-07	*(1E-07, 3E-07)*	5E-06	*(3E-06, 8E-06)*	1E-05	*(8E-06, 2E-05)*	9E-05	*(4E-05, 1E-04)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	9E-07	*(5E-07, 2E-06)*	5E-06	*(1E-06, 2E-05)*	3E-05	*(1E-05, 3E-05)*
CADMIUM	1E-05	*(9E-06, 2E-05)*	2E-03	*(1E-03, 5E-03)*	9E-03	*(4E-03, 1E-02)*	5E-02	*(2E-02, 8E-02)*
CHROMIUM (III)	2E-08	*(1E-08, 4E-08)*	1E-06	*(7E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*	1E-05	*(7E-06, 2E-05)*
CHROMIUM (VI)	7E-07	*(4E-07, 1E-06)*	3E-05	*(2E-05, 6E-05)*	9E-05	*(5E-05, 2E-04)*	6E-04	*(3E-04, 9E-04)*
COBALT	2E-07	*(1E-07, 3E-07)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
MANGANESE	1E-07	*(1E-07, 2E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	9E-06	*(7E-06, 9E-06)*
MERCURY (DIVALENT)	9E-05	*(6E-05, 1E-04)*	3E-03	*(2E-03, 5E-03)*	9E-03	*(5E-03, 1E-02)*	6E-02	*(2E-02, 9E-02)*
MERCURY (METHYL)	6E-04	*(2E-04, 1E-03)*	1E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 7E-02)*	*	*
NICKEL	5E-07	*(2E-07, 9E-07)*	2E-05	*(1E-05, 2E-05)*	5E-05	*(2E-05, 9E-05)*	3E-04	*(1E-04, 3E-04)*
SELENIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(4E-04, 9E-04)*	3E-03	*(1E-03, 5E-03)*
SILVER	4E-06	*(3E-06, 6E-06)*	9E-05	*(7E-05, 1E-04)*	2E-04	*(1E-04, 4E-04)*	1E-02	*(4E-04, 5E-02)*
THALLIUM	1E-05	*(9E-06, 2E-05)*	9E-04	*(6E-04, 1E-03)*	4E-03	*(2E-03, 7E-03)*	3E-02	*(9E-03, 4E-02)*
Hazard Index	2E-03	*(1E-03, 4E-03)*	4E-02	*(2E-02, 7E-02)*	9E-02	*(6E-02, 1E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 1E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	9E-03	*(6E-03, 1E-02)*
MANGANESE	1E-04	*(1E-04, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	1E-04	*(6E-05, 2E-04)*	3E-04	*(2E-04, 6E-04)*	2E-03	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(9E-04, 3E-03)*	1E-01	*(7E-02, 2E-01)*	4E-01	*(2E-01, 5E-01)*	1	*(9E-01, 1)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A28. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(3E-09, 9E-09)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(3E-06, 4E-06)*
ARSENIC	1E-10	*(3E-11, 2E-10)*	7E-09	*(2E-09, 2E-08)*	6E-08	*(9E-09, 9E-08)*	*	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	8E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 7E-11)*	3E-09	*(1E-09, 5E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*
ARSENIC	4E-10	*(1E-10, 8E-10)*	3E-08	*(1E-08, 7E-08)*	1E-07	*(3E-08, 3E-07)*	1E-06	*
BERYLLIUM	8E-12	*(5E-12, 1E-11)*	4E-10	*(1E-10, 1E-09)*	2E-09	*(6E-10, 2E-09)*	6E-09	*
CADMIUM	1E-10	*(9E-11, 3E-10)*	2E-08	*(8E-09, 3E-08)*	5E-08	*(2E-08, 2E-07)*	5E-07	*
CHROMIUM (VI)	9E-10	*(5E-10, 1E-09)*	3E-08	*(2E-08, 5E-08)*	7E-08	*(4E-08, 2E-07)*	4E-07	*
NICKEL	5E-11	*(3E-11, 9E-11)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(8E-09, 1E-08)*
Additive Risk	4E-09	*(2E-09, 8E-09)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	2E-06	*
Non-Cancer - Ingestion								
ANTIMONY	9E-08	*(2E-08, 3E-07)*	2E-04	*(9E-06, 9E-04)*	2E-03	*(2E-04, 9E-03)*	*	*
ARSENIC	2E-06	*(6E-07, 3E-06)*	1E-04	*(4E-05, 4E-04)*	9E-04	*(1E-04, 2E-03)*	*	*
BARIUM	2E-08	*(9E-09, 3E-08)*	4E-07	*(3E-07, 7E-07)*	1E-06	*(7E-07, 2E-06)*	7E-06	*(3E-06, 1E-05)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	1E-06	*(4E-07, 3E-06)*	6E-06	*(1E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*
CADMIUM	7E-06	*(4E-06, 1E-05)*	2E-03	*(6E-04, 5E-03)*	7E-03	*(4E-03, 1E-02)*	6E-02	*(1E-02, 7E-02)*
CHROMIUM (III)	1E-09	*(6E-10, 2E-09)*	5E-08	*(3E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*	5E-07	*(3E-07, 9E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	6E-06	*(9E-07, 9E-06)*	1E-05	*(5E-06, 3E-05)*	*	*
COBALT	6E-10	*(4E-10, 7E-10)*	9E-09	*(7E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
MANGANESE	1E-08	*(9E-09, 1E-08)*	7E-07	*(9E-08, 1E-06)*	1E-06	*(5E-07, 1E-06)*	2E-06	*
MERCURY (DIVALENT)	5E-07	*(2E-07, 9E-07)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 1E-04)*	5E-04	*(1E-04, 1E-03)*
MERCURY (METHYL)	2E-05	*(7E-06, 9E-05)*	7E-03	*(2E-03, 2E-02)*	4E-02	*(9E-03, 8E-02)*	4E-01	*(8E-02, 5E-01)*
NICKEL	2E-08	*(1E-08, 5E-08)*	3E-06	*(7E-07, 6E-06)*	7E-06	*(2E-06, 1E-05)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	2E-09	*(7E-10, 7E-09)*	1E-06	*(2E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
THALLIUM	4E-06	*(2E-06, 5E-06)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(3E-04, 3E-03)*	9E-03	*(5E-03, 1E-02)*
Hazard Index	3E-04	*(1E-04, 6E-04)*	3E-02	*(1E-02, 5E-02)*	8E-02	*(3E-02, 1E-01)*	5E-01	*(1E-01, 7E-01)*
Non-Cancer - Inhalation								
BARIUM	4E-06	*(2E-06, 5E-06)*	7E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	1E-04	*(9E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	9E-05	*(6E-05, 2E-04)*	3E-04	*(1E-04, 6E-04)*	3E-03	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 7E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A29. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 4E-08)*	2E-06	*(9E-07, 3E-06)*	5E-06	*(3E-06, 7E-06)*	**1E-05**	***(1E-05, 2E-05)***
ARSENIC	1E-10	*(5E-11, 2E-10)*	1E-08	*(4E-09, 4E-08)*	5E-08	*(2E-08, 9E-08)*	2E-07	*(9E-08, 4E-07)*
Additive Risk	3E-08	*(2E-08, 5E-08)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(3E-06, 8E-06)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 6E-11)*	2E-09	*(1E-09, 4E-09)*	6E-09	*(4E-09, 8E-09)*	1E-08	*
ARSENIC	2E-10	*(8E-11, 5E-10)*	2E-08	*(9E-09, 4E-08)*	6E-08	*(2E-08, 2E-07)*	7E-07	*
BERYLLIUM	5E-12	*(3E-12, 8E-12)*	3E-10	*(1E-10, 8E-10)*	1E-09	*(4E-10, 2E-09)*	3E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 8E-08)*	3E-07	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	2E-08	*(9E-09, 3E-08)*	4E-08	*(2E-08, 9E-08)*	3E-07	*
NICKEL	4E-11	*(2E-11, 6E-11)*	8E-10	*(6E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	7E-09	*
Additive Risk	3E-09	*(2E-09, 5E-09)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(9E-08, 3E-07)*	9E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-07	*(3E-07, 1E-06)*	6E-04	*(2E-04, 1E-03)*	4E-03	*(8E-04, 7E-03)*	3E-02	*(6E-03, 4E-02)*
ARSENIC	2E-06	*(9E-07, 5E-06)*	2E-04	*(7E-05, 8E-04)*	9E-04	*(4E-04, 1E-03)*	5E-03	*(2E-03, 7E-03)*
BARIUM	9E-08	*(7E-08, 1E-07)*	2E-06	*(1E-06, 3E-06)*	7E-06	*(4E-06, 1E-05)*	4E-05	*(2E-05, 8E-05)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	6E-07	*(3E-07, 1E-06)*	3E-06	*(7E-07, 8E-06)*	2E-05	*(7E-06, 2E-05)*
CADMIUM	8E-06	*(5E-06, 1E-05)*	1E-03	*(8E-04, 2E-03)*	6E-03	*(2E-03, 9E-03)*	3E-02	*(1E-02, 4E-02)*
CHROMIUM (III)	1E-08	*(7E-09, 2E-08)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(9E-07, 2E-06)*	5E-06	*(3E-06, 9E-06)*
CHROMIUM (VI)	3E-07	*(2E-07, 6E-07)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 9E-05)*	3E-04	*(1E-04, 4E-04)*
COBALT	9E-08	*(7E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	6E-06	*(4E-06, 6E-06)*
MANGANESE	8E-08	*(6E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 5E-06)*
MERCURY (DIVALENT)	5E-05	*(2E-05, 9E-05)*	1E-03	*(9E-04, 2E-03)*	5E-03	*(2E-03, 8E-03)*	3E-02	*(1E-02, 4E-02)*
MERCURY (METHYL)	3E-04	*(1E-04, 6E-04)*	7E-03	*(4E-03, 1E-02)*	2E-02	*(8E-03, 4E-02)*	*	*
NICKEL	2E-07	*(1E-07, 4E-07)*	9E-06	*(7E-06, 1E-05)*	2E-05	*(1E-05, 6E-05)*	1E-04	*(9E-05, 2E-04)*
SELENIUM	5E-06	*(3E-06, 8E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 2E-03)*
SILVER	2E-06	*(1E-06, 3E-06)*	5E-05	*(3E-05, 7E-05)*	1E-04	*(7E-05, 2E-04)*	5E-03	*(1E-04, 2E-02)*
THALLIUM	8E-06	*(5E-06, 1E-05)*	5E-04	*(3E-04, 9E-04)*	2E-03	*(9E-04, 3E-03)*	1E-02	*(5E-03, 2E-02)*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 8E-02)*	2E-01	*(8E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 1E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	9E-03	*(6E-03, 1E-02)*
MANGANESE	1E-04	*(1E-04, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	1E-04	*(6E-05, 2E-04)*	3E-04	*(2E-04, 6E-04)*	2E-03	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(3E-04, 9E-04)*	5E-02	*(2E-02, 9E-02)*	1E-01	*(8E-02, 2E-01)*	4E-01	*(3E-01, 5E-01)*
TCDD-TEQ	8E-04	*(5E-04, 2E-03)*	8E-02	*(4E-02, 1E-01)*	2E-01	*(1E-01, 3E-01)*	5E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A30. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 7E-09)*	5E-07	*(3E-07, 8E-07)*	9E-07	*(8E-07, 1E-06)*	*	*
ARSENIC	8E-11	*(2E-11, 1E-10)*	5E-09	*(1E-09, 1E-08)*	4E-08	*(6E-09, 6E-08)*	9E-08	*(5E-08, 1E-07)*
Additive Risk	6E-09	*(4E-09, 9E-09)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
ARSENIC	2E-10	*(7E-11, 5E-10)*	2E-08	*(9E-09, 5E-08)*	7E-08	*(2E-08, 2E-07)*	7E-07	*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(9E-11, 7E-10)*	1E-09	*(4E-10, 1E-09)*	4E-09	*
CADMIUM	9E-11	*(6E-11, 2E-10)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 1E-07)*	3E-07	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(2E-08, 1E-07)*	3E-07	*
NICKEL	3E-11	*(2E-11, 6E-11)*	8E-10	*(6E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(5E-09, 1E-08)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	7E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(1E-08, 2E-07)*	1E-04	*(6E-06, 7E-04)*	1E-03	*(1E-04, 6E-03)*	*	*
ARSENIC	1E-06	*(4E-07, 2E-06)*	9E-05	*(3E-05, 2E-04)*	7E-04	*(9E-05, 1E-03)*	2E-03	*
BARIUM	9E-09	*(6E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	7E-07	*(3E-07, 9E-07)*	3E-06	*(1E-06, 7E-06)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	7E-07	*(2E-07, 2E-06)*	3E-06	*(9E-07, 9E-06)*	2E-05	*(9E-06, 2E-05)*
CADMIUM	5E-06	*(2E-06, 7E-06)*	1E-03	*(4E-04, 4E-03)*	5E-03	*(3E-03, 9E-03)*	5E-02	*
CHROMIUM (III)	6E-10	*(3E-10, 9E-10)*	2E-08	*(1E-08, 4E-08)*	7E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 5E-07)*
CHROMIUM (VI)	1E-08	*(9E-09, 2E-08)*	3E-06	*(7E-07, 6E-06)*	9E-06	*(3E-06, 2E-05)*	*	*
COBALT	2E-09	*(1E-09, 3E-09)*	1E-07	*(1E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(3E-07, 6E-07)*
MANGANESE	7E-09	*(5E-09, 9E-09)*	4E-07	*(5E-08, 6E-07)*	7E-07	*(3E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 5E-07)*	1E-05	*(6E-06, 2E-05)*	3E-05	*(1E-05, 9E-05)*	3E-04	*(9E-05, 6E-04)*
MERCURY (METHYL)	2E-05	*(5E-06, 6E-05)*	5E-03	*(2E-03, 1E-02)*	3E-02	*(6E-03, 6E-02)*	3E-01	*(5E-02, 4E-01)*
NICKEL	1E-08	*(9E-09, 3E-08)*	2E-06	*(5E-07, 4E-06)*	4E-06	*(1E-06, 8E-06)*	5E-05	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	6E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	1E-09	*(4E-10, 4E-09)*	7E-07	*(1E-07, 9E-07)*	9E-07	*(6E-07, 2E-06)*	*	*
THALLIUM	2E-06	*(1E-06, 4E-06)*	9E-05	*(8E-05, 1E-04)*	3E-04	*(2E-04, 1E-03)*	*	*
Hazard Index	2E-04	*(1E-04, 4E-04)*	1E-02	*(9E-03, 4E-02)*	6E-02	*(3E-02, 9E-02)*	3E-01	*(9E-02, 6E-01)*
Non-Cancer - Inhalation								
BARIUM	4E-06	*(2E-06, 5E-06)*	7E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	1E-04	*(9E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	9E-05	*(6E-05, 2E-04)*	3E-04	*(1E-04, 6E-04)*	3E-03	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(7E-05, 2E-04)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	7E-02	*(6E-02, 7E-02)*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(3E-02, 5E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A31. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 5E-08)*	2E-06	*(9E-07, 3E-06)*	6E-06	*(3E-06, 8E-06)*	**2E-05**	***(1E-05, 2E-05)***
ARSENIC	2E-10	*(9E-11, 5E-10)*	2E-08	*(7E-09, 9E-08)*	1E-07	*(4E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
Additive Risk	4E-08	*(2E-08, 7E-08)*	3E-06	*(1E-06, 4E-06)*	7E-06	*(4E-06, 9E-06)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 9E-11)*	3E-09	*(2E-09, 5E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*
ARSENIC	3E-10	*(1E-10, 7E-10)*	2E-08	*(1E-08, 5E-08)*	9E-08	*(3E-08, 2E-07)*	1E-06	*
BERYLLIUM	8E-12	*(5E-12, 1E-11)*	5E-10	*(1E-10, 1E-09)*	2E-09	*(7E-10, 2E-09)*	5E-09	*
CADMIUM	1E-10	*(1E-10, 3E-10)*	2E-08	*(7E-09, 3E-08)*	4E-08	*(2E-08, 1E-07)*	4E-07	*
CHROMIUM (VI)	8E-10	*(6E-10, 1E-09)*	2E-08	*(1E-08, 4E-08)*	6E-08	*(3E-08, 1E-07)*	4E-07	*
NICKEL	6E-11	*(4E-11, 9E-11)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*
Additive Risk	4E-09	*(3E-09, 7E-09)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 1E-06)*	7E-04	*(1E-04, 1E-03)*	4E-03	*(8E-04, 8E-03)*	3E-02	*(6E-03, 4E-02)*
ARSENIC	2E-06	*(9E-07, 5E-06)*	2E-04	*(7E-05, 9E-04)*	1E-03	*(4E-04, 2E-03)*	4E-03	*(2E-03, 6E-03)*
BARIUM	6E-08	*(3E-08, 9E-08)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(2E-06, 6E-06)*	2E-05	*(9E-06, 4E-05)*
BERYLLIUM	8E-09	*(4E-09, 9E-09)*	5E-07	*(2E-07, 9E-07)*	2E-06	*(6E-07, 6E-06)*	1E-05	*(5E-06, 2E-05)*
CADMIUM	9E-06	*(5E-06, 1E-05)*	1E-03	*(9E-04, 3E-03)*	7E-03	*(2E-03, 9E-03)*	3E-02	*(1E-02, 5E-02)*
CHROMIUM (III)	7E-09	*(4E-09, 1E-08)*	3E-07	*(1E-07, 4E-07)*	8E-07	*(5E-07, 1E-06)*	3E-06	*(1E-06, 5E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	1E-05	*(7E-06, 2E-05)*	3E-05	*(2E-05, 7E-05)*	1E-04	*(9E-05, 2E-04)*
COBALT	6E-08	*(5E-08, 9E-08)*	9E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*
MANGANESE	5E-08	*(4E-08, 8E-08)*	9E-07	*(8E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 6E-05)*	1E-03	*(7E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*	2E-02	*(9E-03, 3E-02)*
MERCURY (METHYL)	2E-04	*(1E-04, 5E-04)*	8E-03	*(4E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	*	*
NICKEL	1E-07	*(9E-08, 3E-07)*	8E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 5E-05)*	9E-05	*(4E-05, 1E-04)*
SELENIUM	6E-06	*(3E-06, 9E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	9E-07	*(7E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 8E-05)*	3E-03	*(8E-05, 9E-03)*
THALLIUM	7E-06	*(4E-06, 1E-05)*	5E-04	*(2E-04, 8E-04)*	1E-03	*(9E-04, 3E-03)*	1E-02	*(4E-03, 2E-02)*
Hazard Index	1E-03	*(5E-04, 2E-03)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 7E-02)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 1E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	9E-03	*(6E-03, 1E-02)*
MANGANESE	1E-04	*(1E-04, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	1E-04	*(6E-05, 2E-04)*	3E-04	*(2E-04, 6E-04)*	2E-03	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(2E-04, 9E-04)*	4E-02	*(2E-02, 6E-02)*	9E-02	*(6E-02, 1E-01)*	3E-01	*(2E-01, 4E-01)*
TCDD-TEQ	5E-04	*(3E-04, 9E-04)*	5E-02	*(2E-02, 7E-02)*	1E-01	*(7E-02, 2E-01)*	3E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A32. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(5E-09, 1E-08)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(4E-06, 5E-06)*
ARSENIC	1E-10	*(4E-11, 2E-10)*	8E-09	*(3E-09, 2E-08)*	8E-08	*(9E-09, 1E-07)*	*	*
Additive Risk	1E-08	*(6E-09, 2E-08)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	5E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
ARSENIC	2E-10	*(7E-11, 5E-10)*	2E-08	*(9E-09, 5E-08)*	7E-08	*(2E-08, 2E-07)*	7E-07	*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(9E-11, 7E-10)*	1E-09	*(4E-10, 1E-09)*	4E-09	*
CADMIUM	9E-11	*(6E-11, 2E-10)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 1E-07)*	3E-07	*
CHROMIUM (VI)	5E-10	*(3E-10, 9E-10)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(2E-08, 1E-07)*	3E-07	*
NICKEL	3E-11	*(2E-11, 6E-11)*	8E-10	*(5E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(5E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	7E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(1E-08, 2E-07)*	1E-04	*(6E-06, 8E-04)*	1E-03	*(1E-04, 7E-03)*	*	*
ARSENIC	1E-06	*(3E-07, 2E-06)*	8E-05	*(2E-05, 2E-04)*	8E-04	*(9E-05, 1E-03)*	*	*
BARIUM	6E-09	*(2E-09, 9E-09)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(8E-07, 3E-06)*
BERYLLIUM	9E-09	*(6E-09, 1E-08)*	6E-07	*(1E-07, 1E-06)*	2E-06	*(7E-07, 5E-06)*	2E-05	*
CADMIUM	5E-06	*(2E-06, 7E-06)*	1E-03	*(4E-04, 4E-03)*	5E-03	*(2E-03, 8E-03)*	5E-02	*
CHROMIUM (III)	3E-10	*(1E-10, 5E-10)*	1E-08	*(7E-09, 1E-08)*	3E-08	*(1E-08, 4E-08)*	1E-07	*(7E-08, 2E-07)*
CHROMIUM (VI)	1E-08	*(9E-09, 2E-08)*	4E-06	*(7E-07, 6E-06)*	9E-06	*(3E-06, 2E-05)*	*	*
COBALT	2E-09	*(8E-10, 3E-09)*	2E-07	*(1E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	*	*
MANGANESE	6E-09	*(2E-09, 9E-09)*	5E-07	*(4E-08, 7E-07)*	8E-07	*(3E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	1E-07	*(5E-08, 2E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(7E-06, 4E-05)*	1E-04	*(4E-05, 2E-04)*
MERCURY (METHYL)	2E-05	*(5E-06, 6E-05)*	5E-03	*(2E-03, 1E-02)*	3E-02	*(6E-03, 6E-02)*	3E-01	*(5E-02, 4E-01)*
NICKEL	1E-08	*(7E-09, 3E-08)*	2E-06	*(5E-07, 5E-06)*	5E-06	*(2E-06, 9E-06)*	6E-05	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	1E-09	*(3E-10, 5E-09)*	8E-07	*(1E-07, 9E-07)*	1E-06	*(7E-07, 2E-06)*	*	*
THALLIUM	2E-06	*(1E-06, 4E-06)*	9E-05	*(8E-05, 2E-04)*	3E-04	*(2E-04, 2E-03)*	*	*
Hazard Index	2E-04	*(9E-05, 4E-04)*	2E-02	*(9E-03, 4E-02)*	6E-02	*(3E-02, 1E-01)*	3E-01	*(1E-01, 6E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	4E-05	*(3E-05, 6E-05)*	1E-04	*(6E-05, 1E-04)*	4E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 7E-04)*	9E-03	*(5E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 4E-03)*	6E-03	*
MANGANESE	7E-05	*(6E-05, 9E-05)*	6E-04	*(5E-04, 7E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	6E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 4E-04)*	2E-03	*
Hazard Index	9E-04	*(6E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(9E-05, 2E-04)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 5E-02)*	8E-02	*(7E-02, 9E-02)*
TCDD-TEQ	1E-04	*(1E-04, 2E-04)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(3E-02, 5E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A33. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 2E-07)*	9E-06	*(9E-07, 1E-05)*	**2E-05**	***(4E-06, 3E-05)***	**4E-05**	*
ARSENIC	3E-11	*(6E-12, 3E-10)*	1E-08	*(1E-09, 4E-08)*	4E-08	*(6E-09, 1E-07)*	3E-07	*
Additive Risk	3E-08	*(1E-08, 3E-07)*	**1E-05**	***(9E-07, 2E-05)***	**2E-05**	***(4E-06, 3E-05)***	**4E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 1E-10)*	5E-09	*(4E-10, 8E-09)*	1E-08	*(2E-09, 1E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 5E-10)*	2E-08	*(1E-09, 8E-08)*	9E-08	*(7E-09, 1E-07)*	3E-07	*
BERYLLIUM	5E-12	*(3E-12, 8E-12)*	6E-11	*(1E-11, 2E-10)*	1E-10	*(3E-11, 5E-10)*	1E-09	*
CADMIUM	5E-11	*(2E-11, 1E-10)*	5E-09	*(3E-10, 1E-08)*	3E-08	*(4E-09, 4E-08)*	2E-07	*(8E-08, 3E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 5E-09)*	5E-09	*(1E-09, 1E-08)*	2E-08	*
NICKEL	3E-11	*(8E-12, 8E-11)*	7E-10	*(3E-10, 1E-09)*	3E-09	*(7E-10, 5E-09)*	1E-08	*(8E-09, 2E-08)*
Additive Risk	7E-10	*(3E-10, 3E-09)*	6E-08	*(9E-09, 1E-07)*	2E-07	*(3E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	9E-07	*(1E-07, 4E-06)*	3E-03	*(1E-05, 6E-03)*	6E-03	*(2E-04, 1E-02)*	3E-02	*
ARSENIC	7E-07	*(2E-07, 9E-06)*	3E-04	*(5E-05, 9E-04)*	1E-03	*(1E-04, 4E-03)*	8E-03	*
BARIUM	1E-07	*(2E-08, 6E-07)*	9E-06	*(3E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	1E-04	*(7E-05, 1E-04)*
BERYLLIUM	2E-08	*(8E-09, 4E-08)*	5E-07	*(9E-08, 1E-06)*	1E-06	*(2E-07, 4E-06)*	1E-05	*
CADMIUM	1E-05	*(4E-06, 3E-05)*	9E-04	*(9E-05, 2E-03)*	3E-03	*(9E-04, 8E-03)*	4E-02	*(1E-02, 6E-02)*
CHROMIUM (III)	5E-09	*(1E-09, 4E-08)*	8E-07	*(1E-07, 2E-06)*	2E-06	*(5E-07, 5E-06)*	8E-06	*(6E-06, 9E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	3E-06	*(1E-06, 9E-06)*	1E-05	*(2E-06, 4E-05)*	8E-05	*
COBALT	2E-07	*(8E-08, 4E-07)*	4E-06	*(9E-07, 8E-06)*	9E-06	*(3E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
MANGANESE	2E-07	*(7E-08, 3E-07)*	3E-06	*(7E-07, 6E-06)*	8E-06	*(2E-06, 9E-06)*	2E-05	*(1E-05, 3E-05)*
MERCURY (DIVALENT)	9E-05	*(4E-05, 9E-04)*	9E-03	*(2E-03, 3E-02)*	2E-02	*(4E-03, 7E-02)*	2E-01	*
MERCURY (METHYL)	3E-04	*(5E-05, 3E-03)*	3E-02	*(4E-03, 4E-02)*	4E-02	*(8E-03, 6E-02)*	*	*
NICKEL	3E-07	*(9E-08, 1E-06)*	2E-05	*(4E-06, 4E-05)*	7E-05	*(2E-05, 1E-04)*	6E-04	*(3E-04, 7E-04)*
SELENIUM	6E-06	*(8E-07, 2E-05)*	4E-04	*(8E-05, 5E-04)*	7E-04	*(3E-04, 1E-03)*	6E-03	*(2E-03, 9E-03)*
SILVER	3E-06	*(1E-06, 1E-05)*	1E-04	*(3E-05, 4E-04)*	6E-04	*(1E-04, 7E-04)*	1E-03	*(8E-04, 2E-03)*
THALLIUM	9E-06	*(3E-06, 5E-05)*	2E-03	*(2E-04, 6E-03)*	8E-03	*(2E-03, 2E-02)*	1E-01	*(4E-02, 2E-01)*
Hazard Index	6E-04	*(2E-04, 8E-03)*	6E-02	*(2E-02, 1E-01)*	1E-01	*(4E-02, 3E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(3E-07, 6E-06)*	5E-05	*(2E-05, 1E-04)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	9E-05	*(5E-05, 2E-04)*	1E-03	*(5E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(6E-06, 1E-04)*	7E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 2E-03)*	2E-03	*
MANGANESE	9E-05	*(5E-05, 1E-04)*	7E-04	*(3E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 6E-06)*	2E-04	*(2E-05, 7E-04)*	6E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	3E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(5E-04, 1E-02)*	4E-01	*(4E-02, 9E-01)*	9E-01	*(2E-01, 1)*	**2**	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A34. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(5E-09, 2E-08)*	2E-07	*(3E-08, 4E-07)*	4E-07	*(5E-08, 7E-07)*	*	*
ARSENIC	8E-12	*(4E-12, 1E-10)*	4E-09	*(2E-10, 7E-09)*	8E-09	*(1E-09, 1E-08)*	3E-08	*
Additive Risk	7E-09	*(6E-09, 3E-08)*	3E-07	*(3E-08, 4E-07)*	4E-07	*(6E-08, 7E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 6E-11)*	2E-09	*(9E-11, 6E-09)*	6E-09	*(4E-10, 1E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	2E-08	*(5E-10, 9E-08)*	9E-08	*(5E-09, 2E-07)*	3E-07	*
BERYLLIUM	4E-12	*(2E-12, 8E-12)*	8E-11	*(1E-11, 3E-10)*	2E-10	*(3E-11, 7E-10)*	1E-09	*
CADMIUM	4E-11	*(2E-11, 9E-11)*	5E-09	*(1E-10, 2E-08)*	3E-08	*(3E-09, 6E-08)*	3E-07	*(8E-08, 3E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(8E-10, 5E-09)*	6E-09	*(1E-09, 1E-08)*	2E-08	*
NICKEL	2E-11	*(7E-12, 6E-11)*	7E-10	*(2E-10, 2E-09)*	3E-09	*(6E-10, 6E-09)*	2E-08	*(7E-09, 2E-08)*
Additive Risk	4E-10	*(3E-10, 2E-09)*	6E-08	*(4E-09, 1E-07)*	2E-07	*(2E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	4E-08	*(3E-08, 7E-07)*	1E-04	*	*	*	*	*
ARSENIC	2E-07	*(9E-08, 4E-06)*	1E-04	*(5E-06, 2E-04)*	2E-04	*(3E-05, 4E-04)*	6E-04	*(2E-04, 8E-04)*
BARIUM	1E-08	*(3E-09, 9E-08)*	1E-06	*(4E-07, 5E-06)*	6E-06	*(9E-07, 8E-06)*	1E-05	*(8E-06, 2E-05)*
BERYLLIUM	4E-08	*(2E-08, 8E-08)*	5E-07	*(9E-08, 1E-06)*	1E-06	*(2E-07, 4E-06)*	9E-06	*
CADMIUM	6E-06	*(2E-06, 1E-05)*	4E-04	*(1E-04, 1E-03)*	3E-03	*(2E-04, 5E-03)*	*	*
CHROMIUM (III)	2E-10	*(9E-11, 3E-09)*	8E-08	*(8E-09, 2E-07)*	2E-07	*(4E-08, 5E-07)*	7E-07	*(5E-07, 8E-07)*
CHROMIUM (VI)	1E-08	*(9E-09, 2E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	5E-07	*
COBALT	2E-09	*(6E-10, 4E-09)*	3E-08	*(9E-09, 7E-08)*	8E-08	*(2E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*
MANGANESE	2E-08	*(5E-09, 3E-08)*	4E-07	*(5E-08, 5E-07)*	5E-07	*(9E-08, 8E-07)*	9E-07	*(3E-07, 1E-06)*
MERCURY (DIVALENT)	1E-07	*(4E-08, 8E-06)*	1E-04	*(1E-05, 2E-04)*	2E-04	*(5E-05, 6E-04)*	9E-04	*
MERCURY (METHYL)	2E-05	*(1E-05, 6E-05)*	6E-03	*(1E-04, 4E-02)*	3E-02	*(2E-03, 8E-02)*	*	*
NICKEL	2E-08	*(8E-09, 8E-08)*	9E-07	*(9E-08, 1E-06)*	1E-06	*(3E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	3E-09	*(2E-10, 4E-09)*	5E-08	*	*	*	*	*
THALLIUM	3E-06	*(5E-07, 4E-06)*	2E-04	*(9E-05, 8E-04)*	9E-04	*(1E-04, 1E-03)*	*	*
Hazard Index	8E-05	*(4E-05, 1E-03)*	1E-02	*(3E-03, 9E-02)*	9E-02	*(7E-03, 2E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(3E-07, 7E-06)*	5E-05	*(2E-05, 1E-04)*	2E-04	*(4E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 2E-04)*	1E-03	*(5E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(6E-06, 1E-04)*	9E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 2E-03)*	2E-03	*
MANGANESE	7E-05	*(5E-05, 1E-04)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(7E-07, 3E-06)*	2E-04	*(4E-06, 1E-03)*	8E-04	*(1E-05, 2E-03)*	5E-03	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	3E-03	*(1E-03, 9E-03)*	9E-03	*(2E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-04	*(2E-04, 9E-04)*	1E-02	*(1E-03, 2E-02)*	2E-02	*(2E-03, 3E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A35. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(9E-09, 2E-07)*	7E-06	*(7E-07, 1E-05)*	**1E-05**	***(3E-06, 2E-05)***	**3E-05**	*
ARSENIC	2E-11	*(6E-12, 3E-10)*	1E-08	*(1E-09, 4E-08)*	4E-08	*(6E-09, 1E-07)*	3E-07	*
Additive Risk	2E-08	*(9E-09, 3E-07)*	7E-06	*(7E-07, 1E-05)*	**2E-05**	***(3E-06, 3E-05)***	**3E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 2E-10)*	5E-09	*(5E-10, 1E-08)*	1E-08	*(2E-09, 2E-08)*	2E-08	*
ARSENIC	3E-11	*(2E-11, 6E-10)*	2E-08	*(2E-09, 9E-08)*	1E-07	*(7E-09, 2E-07)*	4E-07	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	7E-11	*(2E-11, 2E-10)*	2E-10	*(3E-11, 6E-10)*	1E-09	*
CADMIUM	6E-11	*(3E-11, 1E-10)*	6E-09	*(3E-10, 2E-08)*	3E-08	*(4E-09, 5E-08)*	3E-07	*(1E-07, 3E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 6E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	4E-11	*(9E-12, 9E-11)*	8E-10	*(3E-10, 2E-09)*	3E-09	*(8E-10, 6E-09)*	2E-08	*(9E-09, 2E-08)*
Additive Risk	8E-10	*(3E-10, 4E-09)*	6E-08	*(1E-08, 1E-07)*	2E-07	*(3E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(9E-08, 2E-06)*	1E-03	*(7E-06, 3E-03)*	4E-03	*(1E-04, 7E-03)*	2E-02	*
ARSENIC	5E-07	*(1E-07, 6E-06)*	2E-04	*(4E-05, 7E-04)*	8E-04	*(1E-04, 3E-03)*	6E-03	*
BARIUM	7E-08	*(9E-09, 3E-07)*	5E-06	*(1E-06, 1E-05)*	2E-05	*(3E-06, 3E-05)*	5E-05	*(3E-05, 6E-05)*
BERYLLIUM	9E-09	*(4E-09, 2E-08)*	2E-07	*(5E-08, 6E-07)*	6E-07	*(1E-07, 2E-06)*	6E-06	*
CADMIUM	8E-06	*(3E-06, 2E-05)*	7E-04	*(8E-05, 1E-03)*	2E-03	*(6E-04, 6E-03)*	3E-02	*(9E-03, 4E-02)*
CHROMIUM (III)	2E-09	*(7E-10, 2E-08)*	4E-07	*(7E-08, 9E-07)*	1E-06	*(3E-07, 2E-06)*	4E-06	*(3E-06, 5E-06)*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	2E-06	*(9E-07, 5E-06)*	6E-06	*(1E-06, 2E-05)*	5E-05	*
COBALT	1E-07	*(5E-08, 2E-07)*	2E-06	*(7E-07, 5E-06)*	6E-06	*(2E-06, 8E-06)*	1E-05	*(1E-05, 2E-05)*
MANGANESE	9E-08	*(4E-08, 2E-07)*	1E-06	*(4E-07, 3E-06)*	4E-06	*(1E-06, 6E-06)*	1E-05	*(7E-06, 1E-05)*
MERCURY (DIVALENT)	6E-05	*(2E-05, 5E-04)*	6E-03	*(1E-03, 2E-02)*	1E-02	*(3E-03, 4E-02)*	1E-01	*
MERCURY (METHYL)	2E-04	*(3E-05, 2E-03)*	3E-02	*(2E-03, 4E-02)*	4E-02	*(4E-03, 4E-02)*	8E-02	*
NICKEL	2E-07	*(6E-08, 8E-07)*	1E-05	*(2E-06, 2E-05)*	4E-05	*(9E-06, 7E-05)*	3E-04	*(2E-04, 4E-04)*
SELENIUM	5E-06	*(6E-07, 1E-05)*	3E-04	*(6E-05, 4E-04)*	6E-04	*(2E-04, 9E-04)*	3E-03	*(1E-03, 6E-03)*
SILVER	1E-06	*(7E-07, 6E-06)*	8E-05	*(2E-05, 2E-04)*	2E-04	*(6E-05, 3E-04)*	8E-04	*(4E-04, 9E-04)*
THALLIUM	8E-06	*(2E-06, 3E-05)*	1E-03	*(1E-04, 4E-03)*	6E-03	*(1E-03, 2E-02)*	8E-02	*(3E-02, 1E-01)*
Hazard Index	4E-04	*(1E-04, 5E-03)*	4E-02	*(1E-02, 7E-02)*	7E-02	*(3E-02, 1E-01)*	2E-01	*(9E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(3E-07, 6E-06)*	5E-05	*(2E-05, 1E-04)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	9E-05	*(5E-05, 2E-04)*	1E-03	*(5E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(6E-06, 1E-04)*	7E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 2E-03)*	2E-03	*
MANGANESE	9E-05	*(5E-05, 1E-04)*	7E-04	*(3E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 6E-06)*	2E-04	*(2E-05, 7E-04)*	6E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	3E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-04	*(3E-04, 7E-03)*	2E-01	*(2E-02, 5E-01)*	6E-01	*(1E-01, 9E-01)*	1	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A36. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(7E-09, 3E-08)*	3E-07	*(4E-08, 5E-07)*	5E-07	*(7E-08, 8E-07)*	*	*
ARSENIC	9E-12	*(3E-12, 1E-10)*	3E-09	*(2E-10, 6E-09)*	7E-09	*(9E-10, 8E-09)*	1E-08	*(8E-09, 2E-08)*
Additive Risk	9E-09	*(8E-09, 3E-08)*	4E-07	*(4E-08, 5E-07)*	5E-07	*(8E-08, 9E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 7E-11)*	2E-09	*(1E-10, 6E-09)*	7E-09	*(5E-10, 2E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	3E-08	*(5E-10, 1E-07)*	1E-07	*(5E-09, 3E-07)*	4E-07	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	9E-11	*(1E-11, 3E-10)*	2E-10	*(3E-11, 8E-10)*	1E-09	*
CADMIUM	5E-11	*(2E-11, 1E-10)*	6E-09	*(1E-10, 2E-08)*	3E-08	*(3E-09, 7E-08)*	3E-07	*(9E-08, 4E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 6E-09)*	6E-09	*(2E-09, 2E-08)*	2E-08	*
NICKEL	3E-11	*(8E-12, 7E-11)*	8E-10	*(2E-10, 2E-09)*	3E-09	*(7E-10, 7E-09)*	2E-08	*(8E-09, 2E-08)*
Additive Risk	5E-10	*(3E-10, 2E-09)*	7E-08	*(5E-09, 2E-07)*	2E-07	*(2E-08, 4E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(8E-09, 3E-07)*	4E-05	*	*	*	*	*
ARSENIC	1E-07	*(6E-08, 4E-06)*	6E-05	*(5E-06, 9E-05)*	1E-04	*(1E-05, 1E-04)*	3E-04	*(1E-04, 4E-04)*
BARIUM	4E-09	*(9E-10, 3E-08)*	4E-07	*(9E-08, 1E-06)*	1E-06	*(2E-07, 2E-06)*	4E-06	*(2E-06, 4E-06)*
BERYLLIUM	2E-08	*(7E-09, 4E-08)*	2E-07	*(7E-08, 4E-07)*	4E-07	*(1E-07, 1E-06)*	3E-06	*(3E-07, 4E-06)*
CADMIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(1E-04, 1E-03)*	2E-03	*(2E-04, 5E-03)*	*	*
CHROMIUM (III)	8E-11	*(3E-11, 9E-10)*	2E-08	*(2E-09, 5E-08)*	7E-08	*(9E-09, 1E-07)*	2E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	7E-09	*(4E-09, 1E-08)*	7E-08	*(3E-08, 9E-08)*	1E-07	*(4E-08, 1E-07)*	1E-07	*
COBALT	5E-10	*(1E-10, 9E-10)*	9E-09	*(2E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	5E-08	*(3E-08, 6E-08)*
MANGANESE	9E-09	*(1E-09, 1E-08)*	1E-07	*(2E-08, 2E-07)*	2E-07	*(3E-08, 3E-07)*	4E-07	*
MERCURY (DIVALENT)	3E-08	*(1E-08, 2E-06)*	3E-05	*(4E-06, 6E-05)*	6E-05	*(1E-05, 1E-04)*	3E-04	*
MERCURY (METHYL)	2E-05	*(6E-06, 6E-05)*	5E-03	*(1E-04, 4E-02)*	3E-02	*(2E-03, 8E-02)*	*	*
NICKEL	8E-09	*(5E-09, 5E-08)*	7E-07	*(8E-08, 8E-07)*	8E-07	*(1E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	1E-09	*(4E-11, 2E-09)*	2E-08	*	*	*	*	*
THALLIUM	2E-06	*(4E-07, 4E-06)*	2E-04	*(9E-05, 7E-04)*	9E-04	*(1E-04, 1E-03)*	*	*
Hazard Index	8E-05	*(4E-05, 5E-04)*	1E-02	*(3E-03, 9E-02)*	9E-02	*(6E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(3E-07, 7E-06)*	5E-05	*(2E-05, 1E-04)*	2E-04	*(4E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 2E-04)*	1E-03	*(5E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(6E-06, 1E-04)*	9E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 2E-03)*	2E-03	*
MANGANESE	7E-05	*(5E-05, 1E-04)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(7E-07, 3E-06)*	2E-04	*(4E-06, 1E-03)*	8E-04	*(1E-05, 2E-03)*	5E-03	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	3E-03	*(1E-03, 9E-03)*	9E-03	*(2E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-04	*(2E-04, 9E-04)*	9E-03	*(1E-03, 2E-02)*	2E-02	*(2E-03, 3E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A37. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(4E-09, 8E-08)*	3E-06	*(3E-07, 7E-06)*	8E-06	*(1E-06, 1E-05)*	**2E-05**	*
ARSENIC	1E-11	*(3E-12, 2E-10)*	7E-09	*(9E-10, 2E-08)*	2E-08	*(3E-09, 9E-08)*	1E-07	*
Additive Risk	1E-08	*(4E-09, 1E-07)*	4E-06	*(3E-07, 7E-06)*	8E-06	*(2E-06, 1E-05)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 1E-10)*	3E-09	*(3E-10, 6E-09)*	8E-09	*(2E-09, 1E-08)*	1E-08	*
ARSENIC	2E-11	*(1E-11, 4E-10)*	2E-08	*(1E-09, 6E-08)*	6E-08	*(5E-09, 1E-07)*	2E-07	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	5E-11	*(1E-11, 1E-10)*	1E-10	*(2E-11, 4E-10)*	9E-10	*
CADMIUM	4E-11	*(2E-11, 7E-11)*	4E-09	*(2E-10, 1E-08)*	2E-08	*(3E-09, 3E-08)*	2E-07	*(6E-08, 2E-07)*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	1E-09	*(7E-10, 4E-09)*	4E-09	*(1E-09, 9E-09)*	1E-08	*
NICKEL	2E-11	*(6E-12, 6E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(5E-10, 4E-09)*	1E-08	*(6E-09, 1E-08)*
Additive Risk	5E-10	*(2E-10, 2E-09)*	4E-08	*(7E-09, 8E-08)*	1E-07	*(2E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(4E-08, 1E-06)*	8E-04	*(3E-06, 2E-03)*	2E-03	*(5E-05, 4E-03)*	*	*
ARSENIC	2E-07	*(6E-08, 3E-06)*	1E-04	*(1E-05, 4E-04)*	4E-04	*(6E-05, 1E-03)*	3E-03	*
BARIUM	3E-08	*(5E-09, 1E-07)*	2E-06	*(6E-07, 7E-06)*	9E-06	*(1E-06, 1E-05)*	3E-05	*(1E-05, 3E-05)*
BERYLLIUM	5E-09	*(2E-09, 1E-08)*	9E-08	*(2E-08, 3E-07)*	3E-07	*(6E-08, 7E-07)*	3E-06	*
CADMIUM	4E-06	*(1E-06, 1E-05)*	4E-04	*(4E-05, 8E-04)*	1E-03	*(3E-04, 3E-03)*	1E-02	*(6E-03, 2E-02)*
CHROMIUM (III)	9E-10	*(3E-10, 9E-09)*	2E-07	*(3E-08, 4E-07)*	7E-07	*(1E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
CHROMIUM (VI)	6E-08	*(3E-08, 9E-08)*	8E-07	*(4E-07, 2E-06)*	3E-06	*(6E-07, 8E-06)*	2E-05	*
COBALT	6E-08	*(2E-08, 9E-08)*	9E-07	*(3E-07, 2E-06)*	2E-06	*(9E-07, 3E-06)*	8E-06	*(5E-06, 9E-06)*
MANGANESE	5E-08	*(2E-08, 9E-08)*	9E-07	*(2E-07, 1E-06)*	2E-06	*(6E-07, 2E-06)*	6E-06	*(3E-06, 7E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 2E-04)*	3E-03	*(7E-04, 8E-03)*	8E-03	*(1E-03, 2E-02)*	5E-02	*
MERCURY (METHYL)	9E-05	*(1E-05, 9E-04)*	1E-02	*(1E-03, 2E-02)*	2E-02	*(2E-03, 2E-02)*	4E-02	*
NICKEL	9E-08	*(3E-08, 3E-07)*	6E-06	*(1E-06, 9E-06)*	2E-05	*(5E-06, 3E-05)*	*	*
SELENIUM	2E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(6E-04, 3E-03)*
SILVER	7E-07	*(3E-07, 3E-06)*	4E-05	*(8E-06, 8E-05)*	1E-04	*(2E-05, 2E-04)*	4E-04	*(2E-04, 4E-04)*
THALLIUM	4E-06	*(9E-07, 1E-05)*	9E-04	*(9E-05, 2E-03)*	2E-03	*(8E-04, 9E-03)*	4E-02	*(1E-02, 7E-02)*
Hazard Index	2E-04	*(6E-05, 2E-03)*	2E-02	*(6E-03, 3E-02)*	3E-02	*(1E-02, 9E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(3E-07, 6E-06)*	5E-05	*(2E-05, 1E-04)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	9E-05	*(5E-05, 2E-04)*	1E-03	*(5E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(6E-06, 1E-04)*	7E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 2E-03)*	2E-03	*
MANGANESE	9E-05	*(5E-05, 1E-04)*	7E-04	*(3E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 6E-06)*	2E-04	*(2E-05, 7E-04)*	6E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	3E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 2E-03)*	9E-02	*(9E-03, 1E-01)*	2E-01	*(4E-02, 3E-01)*	5E-01	*
TCDD-TEQ	4E-04	*(1E-04, 3E-03)*	1E-01	*(1E-02, 2E-01)*	3E-01	*(5E-02, 4E-01)*	6E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A38. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(5E-09, 2E-08)*	1E-07	*(3E-08, 4E-07)*	4E-07	*(5E-08, 6E-07)*	*	*
ARSENIC	7E-12	*(2E-12, 1E-10)*	2E-09	*(2E-10, 4E-09)*	4E-09	*(6E-10, 5E-09)*	*	*
Additive Risk	7E-09	*(5E-09, 2E-08)*	2E-07	*(3E-08, 4E-07)*	4E-07	*(5E-08, 6E-07)*	2E-06	*(4E-07, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 5E-11)*	2E-09	*(7E-11, 4E-09)*	5E-09	*(3E-10, 1E-08)*	1E-08	*
ARSENIC	2E-11	*(9E-12, 1E-10)*	2E-08	*(3E-10, 6E-08)*	7E-08	*(3E-09, 2E-07)*	2E-07	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	6E-11	*(9E-12, 2E-10)*	1E-10	*(2E-11, 5E-10)*	9E-10	*
CADMIUM	3E-11	*(1E-11, 7E-11)*	4E-09	*(7E-11, 1E-08)*	2E-08	*(2E-09, 4E-08)*	2E-07	*(6E-08, 2E-07)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(6E-10, 4E-09)*	4E-09	*(1E-09, 1E-08)*	1E-08	*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(5E-10, 4E-09)*	1E-08	*(5E-09, 1E-08)*
Additive Risk	3E-10	*(2E-10, 2E-09)*	5E-08	*(3E-09, 1E-07)*	1E-07	*(1E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(5E-09, 2E-07)*	2E-05	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 2E-06)*	4E-05	*(3E-06, 8E-05)*	8E-05	*(9E-06, 9E-05)*	2E-04	*(9E-05, 3E-04)*
BARIUM	2E-09	*(6E-10, 1E-08)*	2E-07	*(5E-08, 7E-07)*	8E-07	*(1E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
BERYLLIUM	2E-08	*(4E-09, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(9E-08, 7E-07)*	1E-06	*
CADMIUM	5E-06	*(8E-07, 6E-06)*	2E-04	*(1E-04, 9E-04)*	2E-03	*(2E-04, 3E-03)*	*	*
CHROMIUM (III)	5E-11	*(1E-11, 4E-10)*	1E-08	*(9E-10, 2E-08)*	3E-08	*(6E-09, 6E-08)*	1E-07	*(8E-08, 1E-07)*
CHROMIUM (VI)	5E-09	*(2E-09, 9E-09)*	4E-08	*(2E-08, 7E-08)*	7E-08	*(2E-08, 8E-08)*	8E-08	*
COBALT	2E-09	*(2E-10, 3E-09)*	1E-08	*(3E-09, 7E-08)*	7E-08	*(5E-09, 8E-08)*	8E-08	*
MANGANESE	6E-09	*(7E-10, 8E-09)*	6E-08	*(9E-09, 1E-07)*	1E-07	*(2E-08, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	2E-08	*(7E-09, 1E-06)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(6E-06, 8E-05)*	1E-04	*
MERCURY (METHYL)	2E-05	*(6E-06, 5E-05)*	4E-03	*(1E-04, 3E-02)*	2E-02	*(2E-03, 6E-02)*	*	*
NICKEL	5E-09	*(3E-09, 3E-08)*	4E-07	*(5E-08, 5E-07)*	5E-07	*(7E-08, 6E-07)*	1E-06	*(8E-07, 1E-06)*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	1E-09	*(2E-11, 2E-09)*	2E-08	*	*	*	*	*
THALLIUM	1E-06	*(3E-07, 3E-06)*	1E-04	*(8E-05, 5E-04)*	7E-04	*(9E-05, 9E-04)*	*	*
Hazard Index	6E-05	*(3E-05, 4E-04)*	8E-03	*(1E-03, 6E-02)*	6E-02	*(4E-03, 1E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(3E-07, 7E-06)*	5E-05	*(2E-05, 1E-04)*	2E-04	*(4E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 2E-04)*	1E-03	*(5E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(6E-06, 1E-04)*	9E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 2E-03)*	2E-03	*
MANGANESE	7E-05	*(5E-05, 1E-04)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(7E-07, 3E-06)*	2E-04	*(4E-06, 1E-03)*	8E-04	*(1E-05, 2E-03)*	5E-03	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	3E-03	*(1E-03, 9E-03)*	9E-03	*(2E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 6E-04)*	5E-03	*(8E-04, 1E-02)*	1E-02	*(1E-03, 2E-02)*	*	*
TCDD-TEQ	2E-04	*(2E-04, 8E-04)*	1E-02	*(1E-03, 1E-02)*	1E-02	*(2E-03, 2E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A39. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(5E-09, 1E-07)*	4E-06	*(4E-07, 8E-06)*	9E-06	*(2E-06, 1E-05)*	**2E-05**	*
ARSENIC	3E-11	*(7E-12, 4E-10)*	1E-08	*(2E-09, 4E-08)*	4E-08	*(6E-09, 1E-07)*	3E-07	*
Additive Risk	1E-08	*(5E-09, 2E-07)*	4E-06	*(4E-07, 8E-06)*	9E-06	*(2E-06, 2E-05)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 2E-10)*	5E-09	*(4E-10, 9E-09)*	1E-08	*(2E-09, 2E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 6E-10)*	2E-08	*(2E-09, 9E-08)*	9E-08	*(7E-09, 2E-07)*	3E-07	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	7E-11	*(2E-11, 2E-10)*	2E-10	*(3E-11, 5E-10)*	1E-09	*
CADMIUM	6E-11	*(3E-11, 1E-10)*	5E-09	*(3E-10, 2E-08)*	3E-08	*(4E-09, 5E-08)*	2E-07	*(9E-08, 3E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	3E-11	*(8E-12, 9E-11)*	8E-10	*(3E-10, 2E-09)*	3E-09	*(8E-10, 5E-09)*	2E-08	*(8E-09, 2E-08)*
Additive Risk	7E-10	*(3E-10, 3E-09)*	6E-08	*(1E-08, 1E-07)*	2E-07	*(3E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(4E-08, 9E-07)*	8E-04	*(2E-06, 1E-03)*	2E-03	*(4E-05, 3E-03)*	8E-03	*
ARSENIC	3E-07	*(6E-08, 4E-06)*	1E-04	*(2E-05, 4E-04)*	4E-04	*(6E-05, 1E-03)*	3E-03	*
BARIUM	1E-08	*(3E-09, 7E-08)*	1E-06	*(3E-07, 3E-06)*	5E-06	*(9E-07, 7E-06)*	1E-05	*(8E-06, 1E-05)*
BERYLLIUM	4E-09	*(1E-09, 9E-09)*	9E-08	*(2E-08, 2E-07)*	2E-07	*(5E-08, 6E-07)*	2E-06	*
CADMIUM	5E-06	*(1E-06, 1E-05)*	4E-04	*(5E-05, 9E-04)*	1E-03	*(3E-04, 4E-03)*	2E-02	*(6E-03, 2E-02)*
CHROMIUM (III)	7E-10	*(1E-10, 5E-09)*	1E-07	*(2E-08, 2E-07)*	4E-07	*(7E-08, 7E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 1E-06)*	1E-06	*(3E-07, 6E-06)*	*	*
COBALT	4E-08	*(1E-08, 8E-08)*	7E-07	*(2E-07, 1E-06)*	2E-06	*(6E-07, 2E-06)*	5E-06	*(3E-06, 6E-06)*
MANGANESE	3E-08	*(1E-08, 6E-08)*	6E-07	*(1E-07, 9E-07)*	1E-06	*(4E-07, 2E-06)*	4E-06	*(2E-06, 4E-06)*
MERCURY (DIVALENT)	2E-05	*(8E-06, 1E-04)*	2E-03	*(4E-04, 6E-03)*	6E-03	*(9E-04, 2E-02)*	4E-02	*
MERCURY (METHYL)	1E-04	*(9E-06, 9E-04)*	9E-03	*(1E-03, 1E-02)*	2E-02	*(2E-03, 2E-02)*	2E-02	*
NICKEL	6E-08	*(2E-08, 2E-07)*	3E-06	*(7E-07, 6E-06)*	9E-06	*(3E-06, 2E-05)*	*	*
SELENIUM	3E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	3E-07	*(9E-08, 1E-06)*	1E-05	*(3E-06, 4E-05)*	6E-05	*(1E-05, 7E-05)*	1E-04	*(9E-05, 2E-04)*
THALLIUM	4E-06	*(9E-07, 1E-05)*	8E-04	*(8E-05, 2E-03)*	2E-03	*(7E-04, 8E-03)*	4E-02	*(1E-02, 6E-02)*
Hazard Index	2E-04	*(3E-05, 2E-03)*	2E-02	*(4E-03, 2E-02)*	3E-02	*(1E-02, 6E-02)*	9E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(3E-07, 6E-06)*	5E-05	*(2E-05, 1E-04)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	9E-05	*(5E-05, 2E-04)*	1E-03	*(5E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(6E-06, 1E-04)*	7E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 2E-03)*	2E-03	*
MANGANESE	9E-05	*(5E-05, 1E-04)*	7E-04	*(3E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 6E-06)*	2E-04	*(2E-05, 7E-04)*	6E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	3E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(8E-05, 2E-03)*	8E-02	*(7E-03, 1E-01)*	1E-01	*(3E-02, 2E-01)*	3E-01	*
TCDD-TEQ	2E-04	*(9E-05, 2E-03)*	8E-02	*(7E-03, 1E-01)*	2E-01	*(3E-02, 3E-01)*	4E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A40. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(8E-09, 3E-08)*	4E-07	*(6E-08, 7E-07)*	7E-07	*(9E-08, 9E-07)*	*	*
ARSENIC	1E-11	*(4E-12, 2E-10)*	4E-09	*(3E-10, 6E-09)*	8E-09	*(9E-10, 9E-09)*	*	*
Additive Risk	1E-08	*(8E-09, 4E-08)*	5E-07	*(6E-08, 7E-07)*	7E-07	*(1E-07, 1E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 5E-11)*	2E-09	*(7E-11, 4E-09)*	5E-09	*(3E-10, 1E-08)*	1E-08	*
ARSENIC	2E-11	*(9E-12, 1E-10)*	2E-08	*(3E-10, 6E-08)*	7E-08	*(3E-09, 2E-07)*	2E-07	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	5E-11	*(9E-12, 2E-10)*	1E-10	*(2E-11, 5E-10)*	9E-10	*
CADMIUM	3E-11	*(1E-11, 7E-11)*	4E-09	*(7E-11, 1E-08)*	2E-08	*(2E-09, 4E-08)*	2E-07	*(6E-08, 2E-07)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(6E-10, 4E-09)*	4E-09	*(1E-09, 1E-08)*	1E-08	*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(5E-10, 4E-09)*	1E-08	*(5E-09, 1E-08)*
Additive Risk	3E-10	*(2E-10, 2E-09)*	5E-08	*(3E-09, 1E-07)*	1E-07	*(1E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(2E-09, 2E-07)*	1E-05	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 2E-06)*	4E-05	*(3E-06, 5E-05)*	7E-05	*(8E-06, 8E-05)*	*	*
BARIUM	8E-10	*(3E-10, 5E-09)*	1E-07	*(2E-08, 3E-07)*	3E-07	*(6E-08, 5E-07)*	8E-07	*(5E-07, 9E-07)*
BERYLLIUM	1E-08	*(2E-09, 2E-08)*	9E-08	*(5E-08, 1E-07)*	1E-07	*(5E-08, 3E-07)*	8E-07	*
CADMIUM	4E-06	*(9E-07, 6E-06)*	2E-04	*(1E-04, 8E-04)*	2E-03	*(2E-04, 3E-03)*	*	*
CHROMIUM (III)	3E-11	*(7E-12, 2E-10)*	5E-09	*(5E-10, 9E-09)*	1E-08	*(2E-09, 2E-08)*	4E-08	*(3E-08, 4E-08)*
CHROMIUM (VI)	5E-09	*(2E-09, 9E-09)*	2E-08	*	*	*	*	*
COBALT	2E-09	*(9E-11, 3E-09)*	8E-09	*(3E-09, 6E-08)*	5E-08	*(4E-09, 8E-08)*	9E-08	*
MANGANESE	6E-09	*(3E-10, 8E-09)*	2E-08	*(9E-09, 1E-07)*	1E-07	*(1E-08, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	8E-09	*(3E-09, 6E-07)*	7E-06	*(9E-07, 1E-05)*	1E-05	*(2E-06, 3E-05)*	6E-05	*
MERCURY (METHYL)	2E-05	*(6E-06, 5E-05)*	4E-03	*(1E-04, 3E-02)*	2E-02	*(2E-03, 6E-02)*	*	*
NICKEL	5E-09	*(3E-09, 2E-08)*	4E-07	*(5E-08, 5E-07)*	5E-07	*(6E-08, 6E-07)*	9E-07	*(6E-07, 9E-07)*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	1E-09	*(9E-12, 2E-09)*	2E-08	*	*	*	*	*
THALLIUM	1E-06	*(3E-07, 3E-06)*	1E-04	*(8E-05, 4E-04)*	6E-04	*(9E-05, 9E-04)*	*	*
Hazard Index	5E-05	*(3E-05, 4E-04)*	8E-03	*(1E-03, 6E-02)*	6E-02	*(4E-03, 1E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(3E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	7E-05	*(3E-05, 1E-04)*	1E-03	*(3E-04, 4E-03)*	4E-03	*(4E-04, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(4E-06, 1E-04)*	6E-04	*(1E-04, 1E-03)*	1E-03	*(2E-04, 1E-03)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 9E-05)*	5E-04	*(1E-04, 7E-04)*	7E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	1E-04	*(3E-06, 7E-04)*	5E-04	*(8E-06, 2E-03)*	3E-03	*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(9E-04, 6E-03)*	6E-03	*(2E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 6E-04)*	6E-03	*(9E-04, 9E-03)*	1E-02	*(2E-03, 2E-02)*	*	*
TCDD-TEQ	2E-04	*(2E-04, 8E-04)*	1E-02	*(1E-03, 1E-02)*	1E-02	*(2E-03, 2E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A41. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-06	*(6E-07, 3E-06)*	**2E-05**	***(1E-05, 3E-05)***	**3E-05**	***(2E-05, 4E-05)***	**6E-05**	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	4E-08	*(1E-08, 7E-08)*	1E-07	*(4E-08, 2E-07)*	4E-07	*
Additive Risk	2E-06	*(7E-07, 3E-06)*	**2E-05**	***(2E-05, 3E-05)***	**3E-05**	***(3E-05, 4E-05)***	**6E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-09	*(3E-10, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 5E-08)*
ARSENIC	1E-09	*(5E-10, 3E-09)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(5E-08, 3E-07)*	3E-07	*
BERYLLIUM	1E-11	*(9E-12, 3E-11)*	3E-10	*(8E-11, 1E-09)*	1E-09	*(2E-10, 2E-09)*	6E-09	*(1E-09, 7E-09)*
CADMIUM	3E-10	*(2E-10, 6E-10)*	1E-08	*(8E-09, 1E-08)*	4E-08	*(4E-08, 5E-08)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 6E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
NICKEL	7E-11	*(5E-11, 9E-11)*	1E-09	*(1E-09, 2E-09)*	4E-09	*(4E-09, 5E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	8E-09	*(5E-09, 1E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-06	*(2E-06, 1E-04)*	5E-03	*(2E-03, 8E-03)*	9E-03	*(4E-03, 2E-02)*	4E-02	*
ARSENIC	3E-05	*(9E-06, 8E-05)*	9E-04	*(4E-04, 2E-03)*	3E-03	*(1E-03, 5E-03)*	9E-03	*
BARIUM	9E-07	*(5E-07, 2E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(4E-05, 7E-05)*	1E-04	*(1E-04, 1E-04)*
BERYLLIUM	8E-08	*(4E-08, 1E-07)*	2E-06	*(9E-07, 6E-06)*	8E-06	*(1E-06, 2E-05)*	4E-05	*(1E-05, 8E-05)*
CADMIUM	6E-05	*(3E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	7E-03	*(5E-03, 8E-03)*	6E-02	*(5E-02, 6E-02)*
CHROMIUM (III)	1E-07	*(9E-08, 1E-07)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(3E-06, 6E-06)*	9E-06	*(8E-06, 9E-06)*
CHROMIUM (VI)	4E-07	*(3E-07, 7E-07)*	8E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 6E-05)*	9E-05	*
COBALT	8E-07	*(6E-07, 9E-07)*	9E-06	*(7E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	3E-05	*(3E-05, 3E-05)*
MANGANESE	6E-07	*(4E-07, 9E-07)*	7E-06	*(6E-06, 8E-06)*	9E-06	*(9E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
MERCURY (DIVALENT)	1E-03	*(8E-04, 3E-03)*	5E-02	*(1E-02, 8E-02)*	9E-02	*(3E-02, 1E-01)*	*	*
MERCURY (METHYL)	3E-03	*(2E-03, 7E-03)*	5E-02	*(4E-02, 8E-02)*	9E-02	*(5E-02, 1E-01)*	*	*
NICKEL	1E-06	*(7E-07, 2E-06)*	3E-05	*(2E-05, 4E-05)*	1E-04	*(9E-05, 1E-04)*	7E-04	*(6E-04, 7E-04)*
SELENIUM	5E-05	*(2E-05, 8E-05)*	6E-04	*(5E-04, 9E-04)*	1E-03	*(1E-03, 2E-03)*	9E-03	*(8E-03, 9E-03)*
SILVER	2E-05	*(1E-05, 3E-05)*	4E-04	*(2E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	2E-04	*(8E-05, 4E-04)*	7E-03	*(5E-03, 8E-03)*	2E-02	*(2E-02, 2E-02)*	2E-01	*(1E-01, 2E-01)*
Hazard Index	1E-02	*(8E-03, 3E-02)*	1E-01	*(7E-02, 2E-01)*	3E-01	*(2E-01, 3E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 2E-05)*	1E-04	*(8E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 8E-04)*	1E-02	*(5E-03, 2E-02)*	3E-02	*(1E-02, 7E-02)*	9E-02	*(2E-02, 2E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 2E-04)*	2E-03	*(7E-04, 2E-03)*	2E-03	*(2E-03, 4E-03)*	5E-03	*(4E-03, 6E-03)*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*	4E-03	*(3E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	9E-02	*(3E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-02	*(3E-02, 1E-01)*	9E-01	*(9E-01, 1)*	**1**	***(1 , 2)***	**3**	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A42. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-08	*(3E-08, 1E-07)*	1E-06	*(6E-07, 2E-06)*	*	*	*	*
ARSENIC	5E-10	*(9E-11, 1E-09)*	9E-09	*(6E-09, 2E-08)*	2E-08	*(9E-09, 3E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	9E-08	*(4E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	8E-10	*(2E-10, 2E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*
ARSENIC	2E-09	*(5E-10, 7E-09)*	8E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	3E-07	*
BERYLLIUM	2E-11	*(1E-11, 4E-11)*	4E-10	*(1E-10, 1E-09)*	1E-09	*(2E-10, 3E-09)*	6E-09	*(1E-09, 7E-09)*
CADMIUM	5E-10	*(2E-10, 8E-10)*	1E-08	*(9E-09, 2E-08)*	5E-08	*(4E-08, 7E-08)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	3E-10	*(1E-10, 6E-10)*	5E-09	*(2E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
NICKEL	6E-11	*(4E-11, 9E-11)*	1E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 7E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	1E-08	*(6E-09, 2E-08)*	1E-07	*(7E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	5E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(7E-07, 1E-05)*	*	*	*	*	*	*
ARSENIC	1E-05	*(3E-06, 4E-05)*	3E-04	*(1E-04, 4E-04)*	5E-04	*(3E-04, 6E-04)*	1E-03	*
BARIUM	2E-07	*(1E-07, 4E-07)*	5E-06	*(3E-06, 7E-06)*	9E-06	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 1E-05)*	1E-05	*(2E-06, 3E-05)*	6E-05	*(1E-05, 8E-05)*
CADMIUM	2E-05	*(8E-06, 6E-05)*	1E-03	*(8E-04, 2E-03)*	5E-03	*(4E-03, 5E-03)*	*	*
CHROMIUM (III)	1E-08	*(9E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(4E-07, 5E-07)*	8E-07	*(7E-07, 8E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	6E-07	*
COBALT	6E-09	*(4E-09, 7E-09)*	7E-08	*(6E-08, 8E-08)*	9E-08	*(9E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
MANGANESE	4E-08	*(3E-08, 8E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*	*	*
MERCURY (DIVALENT)	2E-05	*(1E-05, 4E-05)*	3E-04	*(1E-04, 5E-04)*	7E-04	*(2E-04, 9E-04)*	*	*
MERCURY (METHYL)	9E-04	*(8E-05, 2E-03)*	3E-02	*(7E-03, 7E-02)*	7E-02	*	*	*
NICKEL	5E-08	*(2E-08, 1E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 5E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	9E-09	*(2E-09, 1E-08)*	1E-06	*(2E-08, 2E-06)*	2E-06	*	*	*
THALLIUM	1E-05	*(4E-06, 8E-05)*	9E-04	*(5E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Hazard Index	3E-03	*(1E-03, 5E-03)*	4E-02	*(1E-02, 9E-02)*	9E-02	*(2E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(7E-06, 2E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	1E-01	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(4E-03, 6E-03)*
MANGANESE	3E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(3E-03, 4E-03)*
MERCURY (ELEMENTAL)	9E-06	*(4E-06, 4E-05)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(1E-03, 4E-03)*	6E-03	*
Hazard Index	2E-03	*(8E-04, 3E-03)*	2E-02	*(9E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	1E-01	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(1E-03, 7E-03)*	5E-02	*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A43. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-06	*(5E-07, 2E-06)*	**2E-05**	***(1E-05, 2E-05)***	**2E-05**	***(2E-05, 3E-05)***	**5E-05**	*
ARSENIC	9E-10	*(4E-10, 3E-09)*	4E-08	*(1E-08, 7E-08)*	1E-07	*(4E-08, 2E-07)*	4E-07	*
Additive Risk	2E-06	*(5E-07, 3E-06)*	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	***(2E-05, 3E-05)***	**5E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-09	*(4E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 5E-08)*
ARSENIC	1E-09	*(6E-10, 3E-09)*	8E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	4E-07	*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	4E-10	*(9E-11, 1E-09)*	1E-09	*(2E-10, 2E-09)*	7E-09	*(1E-09, 8E-09)*
CADMIUM	4E-10	*(2E-10, 7E-10)*	1E-08	*(9E-09, 2E-08)*	5E-08	*(4E-08, 5E-08)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(3E-09, 2E-08)*	2E-08	*
NICKEL	8E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 6E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	9E-09	*(6E-09, 2E-08)*	1E-07	*(7E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(1E-06, 8E-05)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 9E-03)*	3E-02	*
ARSENIC	2E-05	*(7E-06, 5E-05)*	8E-04	*(3E-04, 1E-03)*	2E-03	*(8E-04, 4E-03)*	7E-03	*
BARIUM	4E-07	*(2E-07, 9E-07)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 3E-05)*	6E-05	*(5E-05, 6E-05)*
BERYLLIUM	3E-08	*(2E-08, 6E-08)*	9E-07	*(3E-07, 2E-06)*	3E-06	*(8E-07, 8E-06)*	1E-05	*(8E-06, 2E-05)*
CADMIUM	5E-05	*(2E-05, 8E-05)*	2E-03	*(1E-03, 2E-03)*	5E-03	*(4E-03, 6E-03)*	4E-02	*(3E-02, 4E-02)*
CHROMIUM (III)	6E-08	*(4E-08, 8E-08)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 4E-07)*	4E-06	*(1E-06, 8E-06)*	1E-05	*(4E-06, 3E-05)*	6E-05	*
COBALT	5E-07	*(3E-07, 6E-07)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(7E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	3E-07	*(2E-07, 5E-07)*	4E-06	*(3E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*	1E-05	*(1E-05, 1E-05)*
MERCURY (DIVALENT)	9E-04	*(5E-04, 2E-03)*	2E-02	*(7E-03, 5E-02)*	7E-02	*(2E-02, 9E-02)*	*	*
MERCURY (METHYL)	2E-03	*(1E-03, 4E-03)*	4E-02	*(3E-02, 5E-02)*	6E-02	*(4E-02, 8E-02)*	*	*
NICKEL	7E-07	*(4E-07, 1E-06)*	2E-05	*(1E-05, 2E-05)*	7E-05	*(6E-05, 7E-05)*	4E-04	*(4E-04, 4E-04)*
SELENIUM	4E-05	*(2E-05, 6E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(9E-04, 1E-03)*	6E-03	*(5E-03, 6E-03)*
SILVER	9E-06	*(6E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(3E-04, 4E-04)*	9E-04	*(9E-04, 9E-04)*
THALLIUM	1E-04	*(6E-05, 3E-04)*	5E-03	*(3E-03, 7E-03)*	1E-02	*(1E-02, 2E-02)*	9E-02	*(9E-02, 1E-01)*
Hazard Index	7E-03	*(5E-03, 2E-02)*	9E-02	*(5E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 2E-05)*	1E-04	*(8E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 8E-04)*	1E-02	*(5E-03, 2E-02)*	3E-02	*(1E-02, 7E-02)*	9E-02	*(2E-02, 2E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 2E-04)*	2E-03	*(7E-04, 2E-03)*	2E-03	*(2E-03, 4E-03)*	5E-03	*(4E-03, 6E-03)*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*	4E-03	*(3E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	9E-02	*(3E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-02	*(1E-02, 9E-02)*	6E-01	*(5E-01, 7E-01)*	9E-01	*(7E-01, 1)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A44. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(4E-08, 2E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*	*	*
ARSENIC	4E-10	*(7E-11, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	*	*
Additive Risk	9E-08	*(5E-08, 2E-07)*	1E-06	*(9E-07, 3E-06)*	3E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-10	*(2E-10, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
ARSENIC	2E-09	*(6E-10, 8E-09)*	1E-07	*(3E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	4E-07	*
BERYLLIUM	2E-11	*(1E-11, 4E-11)*	4E-10	*(1E-10, 2E-09)*	2E-09	*(2E-10, 4E-09)*	7E-09	*(2E-09, 9E-09)*
CADMIUM	6E-10	*(3E-10, 9E-10)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(5E-08, 8E-08)*	4E-07	*(3E-07, 4E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 7E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
NICKEL	7E-11	*(5E-11, 1E-10)*	2E-09	*(1E-09, 2E-09)*	6E-09	*(5E-09, 8E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	1E-08	*(6E-09, 2E-08)*	2E-07	*(8E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	5E-07	*
Non-Cancer - Ingestion								
ANTIMONY	8E-07	*(3E-07, 8E-06)*	*	*	*	*	*	*
ARSENIC	7E-06	*(1E-06, 2E-05)*	1E-04	*(8E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	7E-04	*(3E-04, 9E-04)*
BARIUM	7E-08	*(3E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*
BERYLLIUM	6E-08	*(3E-08, 9E-08)*	7E-07	*(3E-07, 4E-06)*	5E-06	*(5E-07, 2E-05)*	3E-05	*(4E-06, 5E-05)*
CADMIUM	1E-05	*(5E-06, 4E-05)*	1E-03	*(9E-04, 1E-03)*	5E-03	*(4E-03, 5E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 5E-09)*	7E-08	*(4E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(7E-09, 1E-08)*	4E-08	*(3E-08, 8E-08)*	9E-08	*(4E-08, 9E-08)*	*	*
COBALT	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(5E-08, 6E-08)*
MANGANESE	2E-08	*(1E-08, 2E-08)*	2E-07	*(9E-08, 4E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	5E-06	*(3E-06, 9E-06)*	8E-05	*(4E-05, 1E-04)*	2E-04	*(6E-05, 2E-04)*	3E-04	*
MERCURY (METHYL)	9E-04	*(7E-05, 2E-03)*	3E-02	*(6E-03, 7E-02)*	7E-02	*	*	*
NICKEL	2E-08	*(9E-09, 6E-08)*	8E-07	*(4E-07, 8E-07)*	9E-07	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	4E-09	*(7E-10, 7E-09)*	5E-07	*(1E-08, 9E-07)*	9E-07	*	*	*
THALLIUM	1E-05	*(3E-06, 6E-05)*	8E-04	*(4E-04, 9E-04)*	2E-03	*(9E-04, 3E-03)*	*	*
Hazard Index	3E-03	*(9E-04, 4E-03)*	4E-02	*(1E-02, 9E-02)*	9E-02	*(2E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(7E-06, 2E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	1E-01	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(4E-03, 6E-03)*
MANGANESE	3E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(3E-03, 4E-03)*
MERCURY (ELEMENTAL)	9E-06	*(4E-06, 4E-05)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(1E-03, 4E-03)*	6E-03	*
Hazard Index	2E-03	*(8E-04, 3E-03)*	2E-02	*(9E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	1E-01	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 6E-03)*	5E-02	*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A45. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-07	*(2E-07, 1E-06)*	9E-06	*(7E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-05**	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	2E-08	*(8E-09, 4E-08)*	5E-08	*(2E-08, 1E-07)*	2E-07	*
Additive Risk	8E-07	*(3E-07, 1E-06)*	9E-06	*(7E-06, 1E-05)*	**1E-05**	***(1E-05, 2E-05)***	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	7E-10	*(3E-10, 1E-09)*	8E-09	*(7E-09, 1E-08)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
ARSENIC	8E-10	*(4E-10, 2E-09)*	5E-08	*(2E-08, 8E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*
BERYLLIUM	9E-12	*(7E-12, 2E-11)*	2E-10	*(6E-11, 8E-10)*	9E-10	*(1E-10, 1E-09)*	5E-09	*(1E-09, 5E-09)*
CADMIUM	3E-10	*(1E-10, 5E-10)*	9E-09	*(6E-09, 1E-08)*	3E-08	*(3E-08, 3E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 4E-09)*	6E-09	*(2E-09, 1E-08)*	1E-08	*
NICKEL	5E-11	*(4E-11, 7E-11)*	1E-09	*(8E-10, 1E-09)*	3E-09	*(3E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
Additive Risk	6E-09	*(4E-09, 1E-08)*	8E-08	*(4E-08, 1E-07)*	2E-07	*(9E-08, 3E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(9E-07, 4E-05)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(1E-03, 6E-03)*	*	*
ARSENIC	1E-05	*(4E-06, 3E-05)*	4E-04	*(1E-04, 6E-04)*	1E-03	*(4E-04, 2E-03)*	4E-03	*
BARIUM	2E-07	*(1E-07, 5E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(3E-05, 3E-05)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	4E-07	*(2E-07, 1E-06)*	2E-06	*(4E-07, 4E-06)*	*	*
CADMIUM	2E-05	*(1E-05, 4E-05)*	9E-04	*(6E-04, 9E-04)*	3E-03	*(2E-03, 3E-03)*	2E-02	*(2E-02, 2E-02)*
CHROMIUM (III)	3E-08	*(2E-08, 4E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	1E-07	*(8E-08, 1E-07)*	2E-06	*(7E-07, 4E-06)*	5E-06	*(1E-06, 1E-05)*	3E-05	*
COBALT	2E-07	*(1E-07, 3E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 7E-06)*
MERCURY (DIVALENT)	5E-04	*(2E-04, 9E-04)*	1E-02	*(3E-03, 2E-02)*	3E-02	*(9E-03, 5E-02)*	6E-02	*
MERCURY (METHYL)	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*	*	*
NICKEL	3E-07	*(2E-07, 6E-07)*	9E-06	*(7E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*	*	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	2E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	4E-06	*(2E-06, 7E-06)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	4E-04	*(4E-04, 4E-04)*
THALLIUM	8E-05	*(3E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	8E-03	*(6E-03, 9E-03)*	6E-02	*(6E-02, 7E-02)*
Hazard Index	4E-03	*(2E-03, 9E-03)*	4E-02	*(3E-02, 6E-02)*	9E-02	*(5E-02, 1E-01)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 2E-05)*	1E-04	*(8E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 8E-04)*	1E-02	*(5E-03, 2E-02)*	3E-02	*(1E-02, 7E-02)*	9E-02	*(2E-02, 2E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 2E-04)*	2E-03	*(7E-04, 2E-03)*	2E-03	*(2E-03, 4E-03)*	5E-03	*(4E-03, 6E-03)*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*	4E-03	*(3E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	9E-02	*(3E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-02	*(7E-03, 3E-02)*	2E-01	*(1E-01, 3E-01)*	3E-01	*(3E-01, 4E-01)*	6E-01	*
TCDD-TEQ	3E-02	*(9E-03, 4E-02)*	3E-01	*(2E-01, 3E-01)*	5E-01	*(3E-01, 6E-01)*	8E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A46. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(2E-08, 1E-07)*	9E-07	*(5E-07, 2E-06)*	*	*	*	*
ARSENIC	3E-10	*(5E-11, 7E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	*	*
Additive Risk	7E-08	*(3E-08, 1E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(9E-07, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-10	*(1E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	2E-08	*
ARSENIC	1E-09	*(4E-10, 5E-09)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(4E-08, 2E-07)*	2E-07	*
BERYLLIUM	1E-11	*(7E-12, 3E-11)*	3E-10	*(8E-11, 1E-09)*	1E-09	*(1E-10, 2E-09)*	5E-09	*(1E-09, 5E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	1E-08	*(7E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	4E-09	*(1E-09, 6E-09)*	8E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	5E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 1E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
Additive Risk	8E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(2E-07, 5E-06)*	*	*	*	*	*	*
ARSENIC	5E-06	*(9E-07, 1E-05)*	9E-05	*(5E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
BARIUM	3E-08	*(1E-08, 7E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
BERYLLIUM	3E-08	*(1E-08, 6E-08)*	4E-07	*(2E-07, 2E-06)*	2E-06	*(3E-07, 1E-05)*	2E-05	*(2E-06, 3E-05)*
CADMIUM	1E-05	*(3E-06, 3E-05)*	8E-04	*(5E-04, 1E-03)*	3E-03	*(3E-03, 3E-03)*	*	*
CHROMIUM (III)	1E-09	*(1E-09, 2E-09)*	3E-08	*(2E-08, 5E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	9E-09	*(5E-09, 1E-08)*	2E-08	*(2E-08, 5E-08)*	5E-08	*(2E-08, 6E-08)*	9E-08	*
COBALT	4E-09	*(3E-09, 5E-09)*	7E-08	*(1E-08, 8E-08)*	9E-08	*	*	*
MANGANESE	1E-08	*(8E-09, 1E-08)*	2E-07	*(4E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 6E-06)*	4E-05	*(2E-05, 8E-05)*	9E-05	*(3E-05, 1E-04)*	2E-04	*
MERCURY (METHYL)	7E-04	*(7E-05, 1E-03)*	2E-02	*(5E-03, 5E-02)*	5E-02	*	*	*
NICKEL	1E-08	*(6E-09, 4E-08)*	5E-07	*(3E-07, 5E-07)*	6E-07	*(6E-07, 7E-07)*	1E-06	*(1E-06, 1E-06)*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	2E-09	*(4E-10, 4E-09)*	3E-07	*(9E-09, 6E-07)*	6E-07	*	*	*
THALLIUM	9E-06	*(2E-06, 4E-05)*	6E-04	*(3E-04, 8E-04)*	1E-03	*(7E-04, 2E-03)*	*	*
Hazard Index	2E-03	*(6E-04, 3E-03)*	3E-02	*(8E-03, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(7E-06, 2E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	1E-01	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(4E-03, 6E-03)*
MANGANESE	3E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(3E-03, 4E-03)*
MERCURY (ELEMENTAL)	9E-06	*(4E-06, 4E-05)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(1E-03, 4E-03)*	6E-03	*
Hazard Index	2E-03	*(8E-04, 3E-03)*	2E-02	*(9E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	1E-01	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(8E-04, 3E-03)*	3E-02	*(1E-02, 5E-02)*	6E-02	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 5E-03)*	4E-02	*(2E-02, 8E-02)*	9E-02	*(4E-02, 1E-01)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A47. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-07	*(2E-07, 1E-06)*	9E-06	*(8E-06, 1E-05)*	**1E-05**	***(1E-05, 2E-05)***	*	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(4E-08, 2E-07)*	4E-07	*
Additive Risk	8E-07	*(3E-07, 1E-06)*	**1E-05**	***(8E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-09	*(4E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 5E-08)*
ARSENIC	1E-09	*(6E-10, 3E-09)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(5E-08, 3E-07)*	3E-07	*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	3E-10	*(9E-11, 1E-09)*	1E-09	*(2E-10, 2E-09)*	7E-09	*(1E-09, 8E-09)*
CADMIUM	4E-10	*(2E-10, 7E-10)*	1E-08	*(9E-09, 2E-08)*	4E-08	*(4E-08, 5E-08)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(3E-09, 2E-08)*	2E-08	*
NICKEL	8E-11	*(6E-11, 1E-10)*	1E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 6E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	8E-09	*(5E-09, 2E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	5E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(7E-07, 3E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	9E-03	*
ARSENIC	1E-05	*(4E-06, 3E-05)*	4E-04	*(1E-04, 6E-04)*	9E-04	*(4E-04, 2E-03)*	4E-03	*
BARIUM	1E-07	*(6E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	7E-06	*(5E-06, 8E-06)*	1E-05	*(1E-05, 1E-05)*
BERYLLIUM	1E-08	*(9E-09, 3E-08)*	3E-07	*(1E-07, 9E-07)*	1E-06	*(3E-07, 3E-06)*	*	*
CADMIUM	3E-05	*(1E-05, 5E-05)*	9E-04	*(7E-04, 1E-03)*	3E-03	*(2E-03, 4E-03)*	2E-02	*(2E-02, 2E-02)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	3E-07	*(2E-07, 5E-07)*	8E-07	*(5E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*
CHROMIUM (VI)	7E-08	*(5E-08, 9E-08)*	1E-06	*(4E-07, 2E-06)*	3E-06	*(9E-07, 8E-06)*	*	*
COBALT	1E-07	*(9E-08, 2E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	6E-06	*(6E-06, 6E-06)*
MANGANESE	1E-07	*(8E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	3E-04	*(1E-04, 6E-04)*	9E-03	*(2E-03, 2E-02)*	2E-02	*(7E-03, 3E-02)*	*	*
MERCURY (METHYL)	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 2E-02)*	*	*
NICKEL	2E-07	*(1E-07, 5E-07)*	6E-06	*(4E-06, 7E-06)*	2E-05	*(1E-05, 2E-05)*	*	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	2E-06	*(1E-06, 3E-06)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(6E-05, 8E-05)*	2E-04	*(2E-04, 2E-04)*
THALLIUM	8E-05	*(2E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	7E-03	*(5E-03, 8E-03)*	5E-02	*(5E-02, 6E-02)*
Hazard Index	4E-03	*(2E-03, 7E-03)*	4E-02	*(2E-02, 6E-02)*	7E-02	*(4E-02, 7E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 2E-05)*	1E-04	*(8E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 8E-04)*	1E-02	*(5E-03, 2E-02)*	3E-02	*(1E-02, 7E-02)*	9E-02	*(2E-02, 2E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 2E-04)*	2E-03	*(7E-04, 2E-03)*	2E-03	*(2E-03, 4E-03)*	5E-03	*(4E-03, 6E-03)*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*	4E-03	*(3E-03, 4E-03)*
MERCURY (ELEMENTAL)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 7E-02)*	9E-02	*(3E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-02	*(4E-03, 2E-02)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	5E-01	*
TCDD-TEQ	2E-02	*(5E-03, 3E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	5E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A48. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(5E-08, 2E-07)*	2E-06	*(9E-07, 4E-06)*	*	*	*	*
ARSENIC	5E-10	*(8E-11, 1E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(9E-09, 3E-08)*	*	*
Additive Risk	2E-07	*(6E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(1E-06, 5E-06)*	5E-06	*
Cancer - Inhalation								
TCDD-TEQ	6E-10	*(1E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	2E-08	*
ARSENIC	1E-09	*(4E-10, 5E-09)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(4E-08, 2E-07)*	2E-07	*
BERYLLIUM	1E-11	*(7E-12, 3E-11)*	3E-10	*(8E-11, 1E-09)*	1E-09	*(1E-10, 2E-09)*	5E-09	*(1E-09, 5E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	1E-08	*(7E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	4E-09	*(1E-09, 6E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*
NICKEL	5E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 1E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
Additive Risk	8E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(2E-07, 5E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(8E-07, 9E-06)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	*	*
BARIUM	1E-08	*(9E-09, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 6E-07)*	9E-07	*(9E-07, 9E-07)*
BERYLLIUM	2E-08	*(1E-08, 4E-08)*	2E-07	*(1E-07, 9E-07)*	9E-07	*(2E-07, 8E-06)*	*	*
CADMIUM	9E-06	*(3E-06, 3E-05)*	8E-04	*(5E-04, 1E-03)*	3E-03	*(3E-03, 3E-03)*	*	*
CHROMIUM (III)	7E-10	*(5E-10, 1E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*	*	*
COBALT	3E-09	*(2E-09, 5E-09)*	6E-08	*(7E-09, 9E-08)*	9E-08	*	*	*
MANGANESE	9E-09	*(8E-09, 1E-08)*	2E-07	*(2E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	1E-06	*(8E-07, 2E-06)*	1E-05	*(8E-06, 3E-05)*	4E-05	*(1E-05, 6E-05)*	*	*
MERCURY (METHYL)	7E-04	*(7E-05, 1E-03)*	2E-02	*(5E-03, 5E-02)*	5E-02	*	*	*
NICKEL	1E-08	*(5E-09, 4E-08)*	5E-07	*(2E-07, 6E-07)*	6E-07	*(5E-07, 7E-07)*	9E-07	*(9E-07, 9E-07)*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	1E-09	*(4E-10, 4E-09)*	4E-07	*(1E-08, 6E-07)*	6E-07	*	*	*
THALLIUM	8E-06	*(2E-06, 4E-05)*	5E-04	*(3E-04, 8E-04)*	1E-03	*(7E-04, 2E-03)*	*	*
Hazard Index	2E-03	*(6E-04, 3E-03)*	3E-02	*(8E-03, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(4E-06, 1E-05)*	9E-05	*(7E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-04	*(3E-05, 9E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 4E-03)*
MANGANESE	2E-04	*(2E-04, 2E-04)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (ELEMENTAL)	6E-06	*(3E-06, 3E-05)*	9E-04	*(2E-04, 2E-03)*	2E-03	*(8E-04, 3E-03)*	4E-03	*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	2E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(8E-04, 4E-03)*	3E-02	*(1E-02, 6E-02)*	7E-02	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 5E-03)*	3E-02	*(2E-02, 7E-02)*	9E-02	*(3E-02, 9E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A49. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(7E-08, 2E-07)*	3E-06	*(1E-06, 9E-06)*	9E-06	*(2E-06, 2E-05)*	**3E-05**	*
ARSENIC	1E-09	*(6E-10, 5E-09)*	1E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	8E-07	*(3E-07, 1E-06)*
Additive Risk	2E-07	*(1E-07, 3E-07)*	4E-06	*(1E-06, 9E-06)*	9E-06	*(2E-06, 2E-05)*	**3E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(6E-11, 2E-10)*	2E-09	*(7E-10, 4E-09)*	5E-09	*(1E-09, 1E-08)*	1E-08	*
ARSENIC	2E-09	*(5E-10, 5E-09)*	1E-07	*(2E-08, 4E-07)*	4E-07	*(6E-08, 1E-06)*	2E-06	*
BERYLLIUM	4E-11	*(1E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 5E-09)*	9E-09	*
CADMIUM	3E-09	*(2E-09, 7E-09)*	7E-08	*(3E-08, 2E-07)*	2E-07	*(5E-08, 8E-07)*	1E-06	*
CHROMIUM (VI)	7E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 5E-07)*	8E-07	*
NICKEL	3E-10	*(2E-10, 5E-10)*	3E-09	*(2E-09, 5E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
Additive Risk	2E-08	*(2E-08, 4E-08)*	4E-07	*(2E-07, 9E-07)*	9E-07	*(3E-07, 2E-06)*	4E-06	*
Non-Cancer - Ingestion								
ANTIMONY	9E-05	*(2E-05, 5E-04)*	1E-02	*(2E-03, 4E-02)*	3E-02	*(9E-03, 7E-02)*	9E-02	*
ARSENIC	2E-05	*(1E-05, 9E-05)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*
BARIUM	1E-06	*(8E-07, 2E-06)*	3E-05	*(9E-06, 8E-05)*	9E-05	*(2E-05, 2E-04)*	4E-04	*(2E-04, 6E-04)*
BERYLLIUM	4E-07	*(6E-08, 1E-06)*	3E-05	*(6E-06, 5E-05)*	5E-05	*(2E-05, 7E-05)*	*	*
CADMIUM	7E-04	*(2E-04, 2E-03)*	2E-02	*(9E-03, 4E-02)*	5E-02	*(2E-02, 8E-02)*	2E-01	*
CHROMIUM (III)	4E-07	*(2E-07, 7E-07)*	8E-06	*(5E-06, 1E-05)*	1E-05	*(8E-06, 2E-05)*	6E-05	*(2E-05, 8E-05)*
CHROMIUM (VI)	2E-05	*(9E-06, 4E-05)*	4E-04	*(1E-04, 6E-04)*	8E-04	*(3E-04, 1E-03)*	*	*
COBALT	9E-07	*(7E-07, 1E-06)*	8E-06	*(6E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	*	*
MANGANESE	9E-07	*(6E-07, 1E-06)*	7E-06	*(5E-06, 9E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*
MERCURY (DIVALENT)	9E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	8E-02	*
MERCURY (METHYL)	2E-03	*(1E-03, 3E-03)*	7E-02	*	1E-01	*	*	*
NICKEL	8E-06	*(5E-06, 1E-05)*	1E-04	*(5E-05, 3E-04)*	3E-04	*(9E-05, 5E-04)*	7E-04	*
SELENIUM	5E-05	*(3E-05, 9E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	7E-03	*(2E-03, 9E-03)*
SILVER	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 1E-02)*	5E-03	*(2E-04, 5E-02)*	9E-02	*
THALLIUM	4E-05	*(2E-05, 9E-05)*	2E-03	*(8E-04, 9E-03)*	9E-03	*(1E-03, 3E-02)*	7E-02	*(4E-03, 8E-02)*
Hazard Index	1E-02	*(8E-03, 2E-02)*	2E-01	*(9E-02, 4E-01)*	4E-01	*(1E-01, 5E-01)*	6E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 4E-03)*	5E-03	*(2E-03, 6E-03)*	8E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-05	*(5E-06, 3E-05)*	2E-04	*(7E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-03	*(3E-03, 1E-02)*	1E-01	*(6E-02, 4E-01)*	4E-01	*(1E-01, 9E-01)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A50. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(7E-09, 9E-08)*	9E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	*	*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-07	*(3E-08, 2E-07)*	2E-07	*	*	*
Additive Risk	7E-08	*(2E-08, 1E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(5E-11, 1E-10)*	1E-09	*(7E-10, 3E-09)*	3E-09	*(1E-09, 8E-09)*	1E-08	*
ARSENIC	2E-09	*(1E-09, 8E-09)*	2E-07	*(3E-08, 7E-07)*	8E-07	*(8E-08, 1E-06)*	2E-06	*
BERYLLIUM	4E-11	*(1E-11, 1E-10)*	2E-09	*(9E-10, 3E-09)*	3E-09	*(1E-09, 6E-09)*	9E-09	*
CADMIUM	4E-09	*(2E-09, 8E-09)*	1E-07	*(3E-08, 3E-07)*	3E-07	*(6E-08, 9E-07)*	2E-06	*
CHROMIUM (VI)	8E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	8E-07	*
NICKEL	3E-10	*(2E-10, 5E-10)*	3E-09	*(2E-09, 6E-09)*	6E-09	*(3E-09, 1E-08)*	1E-08	*
Additive Risk	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 9E-07)*	9E-07	*(3E-07, 2E-06)*	4E-06	*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(9E-07, 1E-05)*	1E-02	*	*	*	*	*
ARSENIC	1E-05	*(6E-06, 3E-05)*	3E-03	*(8E-04, 6E-03)*	5E-03	*	*	*
BARIUM	3E-07	*(2E-07, 4E-07)*	5E-06	*(1E-06, 9E-06)*	1E-05	*(5E-06, 3E-05)*	6E-05	*(3E-05, 8E-05)*
BERYLLIUM	4E-07	*(8E-08, 1E-06)*	2E-05	*(7E-06, 5E-05)*	5E-05	*(2E-05, 7E-05)*	9E-05	*
CADMIUM	3E-04	*(7E-05, 1E-03)*	2E-02	*(6E-03, 4E-02)*	5E-02	*(1E-02, 7E-02)*	*	*
CHROMIUM (III)	4E-08	*(2E-08, 7E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	6E-06	*(2E-06, 8E-06)*
CHROMIUM (VI)	6E-07	*(1E-07, 2E-06)*	4E-05	*	6E-05	*	*	*
COBALT	6E-09	*(5E-09, 9E-09)*	6E-08	*(5E-08, 9E-08)*	1E-07	*(7E-08, 1E-07)*	2E-07	*
MANGANESE	8E-08	*(4E-08, 1E-07)*	3E-06	*(8E-07, 3E-06)*	3E-06	*	*	*
MERCURY (DIVALENT)	5E-06	*(2E-06, 9E-06)*	1E-04	*(4E-05, 9E-04)*	8E-04	*(9E-05, 3E-03)*	6E-03	*
MERCURY (METHYL)	1E-05	*(9E-07, 1E-04)*	2E-03	*(9E-04, 6E-02)*	5E-02	*(2E-03, 2E-01)*	*	*
NICKEL	6E-07	*(1E-07, 9E-07)*	2E-05	*	3E-05	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	4E-09	*(9E-10, 5E-08)*	3E-06	*	8E-06	*	*	*
THALLIUM	8E-06	*(5E-06, 1E-05)*	4E-04	*(9E-05, 6E-03)*	6E-03	*	*	*
Hazard Index	2E-03	*(9E-04, 4E-03)*	1E-01	*(3E-02, 2E-01)*	2E-01	*(5E-02, 5E-01)*	**1**	***(1E-01, 1)***
Non-Cancer - Inhalation								
BARIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(7E-05, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	2E-05	*(7E-06, 4E-05)*	2E-04	*(8E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(3E-04, 5E-03)*	4E-02	*(3E-02, 6E-02)*	7E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A51. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(6E-08, 2E-07)*	2E-06	*(9E-07, 7E-06)*	7E-06	*(2E-06, 1E-05)*	*	*
ARSENIC	9E-10	*(5E-10, 4E-09)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(9E-08, 6E-07)*	8E-07	*(3E-07, 1E-06)*
Additive Risk	2E-07	*(9E-08, 3E-07)*	3E-06	*(1E-06, 7E-06)*	7E-06	*(2E-06, 2E-05)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 2E-10)*	2E-09	*(8E-10, 5E-09)*	5E-09	*(1E-09, 1E-08)*	2E-08	*
ARSENIC	2E-09	*(6E-10, 6E-09)*	1E-07	*(3E-08, 5E-07)*	5E-07	*(7E-08, 1E-06)*	2E-06	*
BERYLLIUM	5E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	4E-09	*(2E-09, 6E-09)*	1E-08	*
CADMIUM	4E-09	*(2E-09, 8E-09)*	8E-08	*(3E-08, 3E-07)*	3E-07	*(5E-08, 9E-07)*	2E-06	*
CHROMIUM (VI)	8E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 5E-07)*	9E-07	*
NICKEL	4E-10	*(3E-10, 6E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*
Additive Risk	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 1E-06)*	1E-06	*(3E-07, 3E-06)*	5E-06	*
Non-Cancer - Ingestion								
ANTIMONY	7E-05	*(1E-05, 3E-04)*	9E-03	*(1E-03, 3E-02)*	2E-02	*(6E-03, 6E-02)*	7E-02	*
ARSENIC	2E-05	*(9E-06, 8E-05)*	2E-03	*(9E-04, 4E-03)*	5E-03	*(2E-03, 9E-03)*	1E-02	*(5E-03, 2E-02)*
BARIUM	6E-07	*(3E-07, 9E-07)*	1E-05	*(5E-06, 3E-05)*	5E-05	*(1E-05, 9E-05)*	2E-04	*(9E-05, 3E-04)*
BERYLLIUM	1E-07	*(2E-08, 5E-07)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(9E-06, 3E-05)*	4E-05	*
CADMIUM	5E-04	*(2E-04, 1E-03)*	1E-02	*(7E-03, 3E-02)*	3E-02	*(1E-02, 6E-02)*	1E-01	*(4E-02, 2E-01)*
CHROMIUM (III)	2E-07	*(9E-08, 3E-07)*	4E-06	*(2E-06, 8E-06)*	9E-06	*(4E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*
CHROMIUM (VI)	1E-05	*(6E-06, 2E-05)*	2E-04	*(8E-05, 3E-04)*	4E-04	*(2E-04, 7E-04)*	1E-03	*
COBALT	7E-07	*(4E-07, 8E-07)*	5E-06	*(3E-06, 6E-06)*	7E-06	*(6E-06, 9E-06)*	*	*
MANGANESE	6E-07	*(3E-07, 9E-07)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(4E-06, 7E-06)*	*	*
MERCURY (DIVALENT)	5E-04	*(2E-04, 9E-04)*	7E-03	*(2E-03, 1E-02)*	1E-02	*(5E-03, 2E-02)*	5E-02	*
MERCURY (METHYL)	1E-03	*(9E-04, 2E-03)*	6E-02	*	7E-02	*	*	*
NICKEL	4E-06	*(3E-06, 9E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*(5E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 3E-03)*	5E-03	*(2E-03, 8E-03)*
SILVER	8E-06	*(4E-06, 1E-05)*	1E-04	*(7E-05, 5E-03)*	3E-03	*(1E-04, 2E-02)*	6E-02	*(2E-04, 7E-02)*
THALLIUM	2E-05	*(1E-05, 6E-05)*	2E-03	*(6E-04, 8E-03)*	8E-03	*(9E-04, 2E-02)*	4E-02	*(3E-03, 5E-02)*
Hazard Index	8E-03	*(5E-03, 1E-02)*	1E-01	*(6E-02, 3E-01)*	2E-01	*(8E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 4E-03)*	5E-03	*(2E-03, 6E-03)*	8E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-05	*(5E-06, 3E-05)*	2E-04	*(7E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 7E-03)*	9E-02	*(3E-02, 2E-01)*	2E-01	*(6E-02, 5E-01)*	9E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A52. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(9E-09, 1E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
ARSENIC	3E-10	*(2E-10, 1E-09)*	9E-08	*	*	*	*	*
Additive Risk	8E-08	*(1E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(5E-11, 2E-10)*	2E-09	*(8E-10, 3E-09)*	4E-09	*(2E-09, 9E-09)*	1E-08	*
ARSENIC	2E-09	*(1E-09, 1E-08)*	2E-07	*(3E-08, 9E-07)*	9E-07	*(9E-08, 2E-06)*	2E-06	*
BERYLLIUM	5E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
CADMIUM	4E-09	*(2E-09, 9E-09)*	1E-07	*(4E-08, 3E-07)*	3E-07	*(6E-08, 1E-06)*	2E-06	*
CHROMIUM (VI)	9E-09	*(6E-09, 2E-08)*	2E-07	*(6E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*
NICKEL	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*
Additive Risk	4E-08	*(2E-08, 6E-08)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 3E-06)*	5E-06	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 6E-06)*	8E-03	*	*	*	*	*
ARSENIC	6E-06	*(3E-06, 2E-05)*	2E-03	*(2E-04, 3E-03)*	3E-03	*	*	*
BARIUM	9E-08	*(6E-08, 1E-07)*	1E-06	*(4E-07, 2E-06)*	3E-06	*(1E-06, 7E-06)*	1E-05	*(7E-06, 2E-05)*
BERYLLIUM	1E-07	*(3E-08, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(8E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*
CADMIUM	2E-04	*(6E-05, 1E-03)*	1E-02	*(6E-03, 4E-02)*	5E-02	*(9E-03, 7E-02)*	8E-02	*(7E-02, 8E-02)*
CHROMIUM (III)	1E-08	*(6E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(5E-07, 2E-06)*
CHROMIUM (VI)	4E-07	*(6E-08, 1E-06)*	3E-05	*	4E-05	*	*	*
COBALT	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*
MANGANESE	2E-08	*(9E-09, 5E-08)*	1E-06	*(2E-07, 2E-06)*	2E-06	*	*	*
MERCURY (DIVALENT)	1E-06	*(7E-07, 2E-06)*	4E-05	*(1E-05, 2E-04)*	2E-04	*(2E-05, 8E-04)*	*	*
MERCURY (METHYL)	6E-06	*(3E-07, 1E-04)*	2E-03	*(9E-04, 6E-02)*	5E-02	*(2E-03, 2E-01)*	*	*
NICKEL	3E-07	*(5E-08, 6E-07)*	1E-05	*	2E-05	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	1E-09	*(3E-10, 1E-08)*	2E-06	*	4E-06	*	*	*
THALLIUM	6E-06	*(4E-06, 1E-05)*	3E-04	*(8E-05, 4E-03)*	4E-03	*(3E-04, 9E-03)*	1E-02	*
Hazard Index	2E-03	*(6E-04, 3E-03)*	8E-02	*(3E-02, 1E-01)*	1E-01	*(5E-02, 5E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(7E-05, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	2E-05	*(7E-06, 4E-05)*	2E-04	*(8E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(3E-04, 5E-03)*	4E-02	*(3E-02, 6E-02)*	7E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A53. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 9E-08)*	1E-06	*(5E-07, 3E-06)*	3E-06	*(9E-07, 7E-06)*	1E-05	*
ARSENIC	5E-10	*(3E-10, 2E-09)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*
Additive Risk	8E-08	*(5E-08, 1E-07)*	1E-06	*(6E-07, 3E-06)*	4E-06	*(1E-06, 7E-06)*	1E-05	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	1E-09	*(5E-10, 3E-09)*	3E-09	*(9E-10, 7E-09)*	1E-08	*
ARSENIC	1E-09	*(4E-10, 4E-09)*	9E-08	*(2E-08, 3E-07)*	3E-07	*(5E-08, 9E-07)*	1E-06	*
BERYLLIUM	3E-11	*(1E-11, 9E-11)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	6E-09	*
CADMIUM	2E-09	*(1E-09, 5E-09)*	5E-08	*(2E-08, 2E-07)*	2E-07	*(3E-08, 6E-07)*	1E-06	*
CHROMIUM (VI)	5E-09	*(3E-09, 8E-09)*	9E-08	*(3E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	6E-07	*
NICKEL	2E-10	*(2E-10, 4E-10)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	9E-09	*
Additive Risk	2E-08	*(1E-08, 3E-08)*	3E-07	*(1E-07, 6E-07)*	7E-07	*(2E-07, 2E-06)*	3E-06	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(6E-06, 1E-04)*	6E-03	*(7E-04, 1E-02)*	1E-02	*(3E-03, 3E-02)*	4E-02	*(6E-03, 5E-02)*
ARSENIC	9E-06	*(6E-06, 4E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	*	*
BARIUM	2E-07	*(1E-07, 4E-07)*	6E-06	*(2E-06, 1E-05)*	2E-05	*(5E-06, 5E-05)*	9E-05	*(4E-05, 1E-04)*
BERYLLIUM	8E-08	*(1E-08, 3E-07)*	7E-06	*(1E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	2E-05	*
CADMIUM	2E-04	*(9E-05, 9E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	*	*
CHROMIUM (III)	9E-08	*(5E-08, 1E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(2E-06, 5E-06)*	1E-05	*(5E-06, 2E-05)*
CHROMIUM (VI)	5E-06	*(2E-06, 1E-05)*	9E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 3E-04)*	7E-04	*(3E-04, 8E-04)*
COBALT	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(2E-06, 4E-06)*	7E-06	*(6E-06, 8E-06)*
MANGANESE	3E-07	*(1E-07, 5E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*
MERCURY (DIVALENT)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 7E-03)*	7E-03	*(2E-03, 1E-02)*	2E-02	*(7E-03, 4E-02)*
MERCURY (METHYL)	7E-04	*(4E-04, 9E-04)*	3E-02	*	4E-02	*	*	*
NICKEL	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	9E-05	*(2E-05, 1E-04)*	2E-04	*
SELENIUM	1E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 1E-03)*	3E-03	*(8E-04, 4E-03)*
SILVER	4E-06	*(2E-06, 6E-06)*	9E-05	*(3E-05, 3E-03)*	1E-03	*(6E-05, 9E-03)*	2E-02	*
THALLIUM	1E-05	*(7E-06, 3E-05)*	9E-04	*(2E-04, 4E-03)*	4E-03	*(4E-04, 9E-03)*	2E-02	*(1E-03, 3E-02)*
Hazard Index	4E-03	*(3E-03, 9E-03)*	5E-02	*(3E-02, 2E-01)*	1E-01	*(5E-02, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 4E-03)*	5E-03	*(2E-03, 6E-03)*	8E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-05	*(5E-06, 3E-05)*	2E-04	*(7E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(8E-04, 2E-03)*	3E-02	*(1E-02, 9E-02)*	9E-02	*(2E-02, 2E-01)*	3E-01	*
TCDD-TEQ	2E-03	*(1E-03, 3E-03)*	5E-02	*(2E-02, 1E-01)*	1E-01	*(3E-02, 3E-01)*	4E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A54. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(7E-09, 8E-08)*	9E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 7E-10)*	6E-08	*(9E-09, 9E-08)*	9E-08	*(4E-08, 9E-08)*	1E-07	*
Additive Risk	6E-08	*(9E-09, 1E-07)*	1E-06	*(6E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(1E-09, 6E-09)*	9E-09	*
ARSENIC	1E-09	*(8E-10, 6E-09)*	1E-07	*(2E-08, 5E-07)*	6E-07	*(6E-08, 1E-06)*	1E-06	*
BERYLLIUM	3E-11	*(1E-11, 8E-11)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	7E-09	*
CADMIUM	3E-09	*(2E-09, 6E-09)*	7E-08	*(2E-08, 2E-07)*	2E-07	*(4E-08, 6E-07)*	1E-06	*
CHROMIUM (VI)	6E-09	*(4E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(8E-08, 4E-07)*	6E-07	*
NICKEL	2E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 7E-09)*	1E-08	*
Additive Risk	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 7E-07)*	7E-07	*(2E-07, 2E-06)*	3E-06	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 3E-06)*	5E-03	*	*	*	*	*
ARSENIC	4E-06	*(2E-06, 1E-05)*	1E-03	*(1E-04, 2E-03)*	2E-03	*	*	*
BARIUM	7E-08	*(3E-08, 9E-08)*	8E-07	*(2E-07, 1E-06)*	2E-06	*(7E-07, 5E-06)*	8E-06	*(4E-06, 1E-05)*
BERYLLIUM	9E-08	*(2E-08, 4E-07)*	6E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	3E-05	*
CADMIUM	1E-04	*(4E-05, 9E-04)*	9E-03	*(4E-03, 3E-02)*	4E-02	*(7E-03, 5E-02)*	*	*
CHROMIUM (III)	7E-09	*(3E-09, 9E-09)*	1E-07	*(7E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	2E-07	*(4E-08, 9E-07)*	1E-05	*	2E-05	*	*	*
COBALT	3E-09	*(2E-09, 9E-09)*	4E-07	*(3E-08, 5E-07)*	5E-07	*(2E-07, 6E-07)*	6E-07	*
MANGANESE	1E-08	*(6E-09, 2E-08)*	8E-07	*	1E-06	*	*	*
MERCURY (DIVALENT)	7E-07	*(4E-07, 1E-06)*	2E-05	*(6E-06, 1E-04)*	1E-04	*(1E-05, 4E-04)*	*	*
MERCURY (METHYL)	5E-06	*(1E-07, 7E-05)*	2E-03	*(6E-04, 4E-02)*	4E-02	*(1E-03, 2E-01)*	*	*
NICKEL	2E-07	*(3E-08, 4E-07)*	8E-06	*(1E-06, 2E-05)*	1E-05	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	8E-10	*(2E-10, 7E-09)*	1E-06	*	3E-06	*	*	*
THALLIUM	4E-06	*(3E-06, 8E-06)*	2E-04	*(6E-05, 1E-03)*	2E-03	*	*	*
Hazard Index	1E-03	*(4E-04, 2E-03)*	6E-02	*(2E-02, 9E-02)*	9E-02	*(3E-02, 4E-01)*	1	*
Non-Cancer - Inhalation								
BARIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(7E-05, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	2E-05	*(7E-06, 4E-05)*	2E-04	*(8E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(1E-04, 2E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 6E-02)*	*	*
TCDD-TEQ	1E-03	*(3E-04, 4E-03)*	4E-02	*(2E-02, 4E-02)*	6E-02	*(4E-02, 7E-02)*	9E-02	*(7E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A55. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(3E-08, 9E-08)*	1E-06	*(6E-07, 4E-06)*	4E-06	*(9E-07, 8E-06)*	1E-05	*
ARSENIC	9E-10	*(6E-10, 4E-09)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	8E-07	*(3E-07, 1E-06)*
Additive Risk	1E-07	*(7E-08, 2E-07)*	2E-06	*(8E-07, 4E-06)*	5E-06	*(1E-06, 8E-06)*	**1E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(6E-11, 2E-10)*	2E-09	*(8E-10, 5E-09)*	5E-09	*(1E-09, 1E-08)*	1E-08	*
ARSENIC	2E-09	*(6E-10, 6E-09)*	1E-07	*(3E-08, 4E-07)*	5E-07	*(7E-08, 1E-06)*	2E-06	*
BERYLLIUM	5E-11	*(1E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 6E-09)*	9E-09	*
CADMIUM	4E-09	*(2E-09, 7E-09)*	8E-08	*(3E-08, 3E-07)*	3E-07	*(5E-08, 8E-07)*	2E-06	*
CHROMIUM (VI)	7E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 5E-07)*	9E-07	*
NICKEL	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 6E-09)*	6E-09	*(4E-09, 1E-08)*	1E-08	*
Additive Risk	3E-08	*(2E-08, 4E-08)*	4E-07	*(2E-07, 9E-07)*	1E-06	*(3E-07, 2E-06)*	4E-06	*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(4E-06, 1E-04)*	7E-03	*(7E-04, 2E-02)*	1E-02	*(3E-03, 3E-02)*	4E-02	*
ARSENIC	9E-06	*(5E-06, 4E-05)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	*	*
BARIUM	1E-07	*(1E-07, 2E-07)*	3E-06	*(1E-06, 9E-06)*	1E-05	*(2E-06, 2E-05)*	5E-05	*(2E-05, 7E-05)*
BERYLLIUM	6E-08	*(9E-09, 3E-07)*	5E-06	*(9E-07, 1E-05)*	1E-05	*(3E-06, 2E-05)*	2E-05	*
CADMIUM	3E-04	*(9E-05, 9E-04)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	9E-02	*(3E-02, 1E-01)*
CHROMIUM (III)	5E-08	*(3E-08, 9E-08)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
CHROMIUM (VI)	3E-06	*(1E-06, 7E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	4E-04	*
COBALT	2E-07	*(1E-07, 3E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
MANGANESE	1E-07	*(1E-07, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*
MERCURY (DIVALENT)	2E-04	*(9E-05, 3E-04)*	2E-03	*(8E-04, 4E-03)*	5E-03	*(1E-03, 8E-03)*	2E-02	*
MERCURY (METHYL)	7E-04	*(4E-04, 9E-04)*	3E-02	*	4E-02	*	*	*
NICKEL	1E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 7E-05)*	7E-05	*(2E-05, 1E-04)*	*	*
SELENIUM	2E-05	*(1E-05, 3E-05)*	4E-04	*(1E-04, 8E-04)*	9E-04	*(4E-04, 2E-03)*	3E-03	*(9E-04, 4E-03)*
SILVER	2E-06	*(1E-06, 3E-06)*	4E-05	*(1E-05, 2E-03)*	9E-04	*(2E-05, 6E-03)*	1E-02	*
THALLIUM	1E-05	*(6E-06, 3E-05)*	9E-04	*(2E-04, 4E-03)*	4E-03	*(4E-04, 9E-03)*	2E-02	*(1E-03, 3E-02)*
Hazard Index	4E-03	*(2E-03, 1E-02)*	6E-02	*(3E-02, 2E-01)*	1E-01	*(5E-02, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 4E-03)*	5E-03	*(2E-03, 6E-03)*	8E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-05	*(5E-06, 3E-05)*	2E-04	*(7E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(6E-04, 2E-03)*	3E-02	*(9E-03, 6E-02)*	8E-02	*(2E-02, 1E-01)*	2E-01	*
TCDD-TEQ	1E-03	*(6E-04, 2E-03)*	3E-02	*(1E-02, 7E-02)*	8E-02	*(2E-02, 2E-01)*	3E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A56. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(9E-09, 2E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 4E-06)*	*	*
ARSENIC	4E-10	*(2E-10, 9E-10)*	1E-07	*	*	*	*	*
Additive Risk	1E-07	*(2E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(1E-09, 6E-09)*	9E-09	*
ARSENIC	1E-09	*(7E-10, 6E-09)*	1E-07	*(2E-08, 5E-07)*	6E-07	*(6E-08, 1E-06)*	1E-06	*
BERYLLIUM	3E-11	*(1E-11, 8E-11)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	7E-09	*
CADMIUM	3E-09	*(2E-09, 6E-09)*	7E-08	*(2E-08, 2E-07)*	2E-07	*(4E-08, 6E-07)*	1E-06	*
CHROMIUM (VI)	6E-09	*(4E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(8E-08, 4E-07)*	6E-07	*
NICKEL	2E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 7E-09)*	9E-09	*
Additive Risk	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 7E-07)*	7E-07	*(2E-07, 2E-06)*	3E-06	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 3E-06)*	6E-03	*	*	*	*	*
ARSENIC	4E-06	*(2E-06, 9E-06)*	1E-03	*	*	*	*	*
BARIUM	3E-08	*(1E-08, 7E-08)*	3E-07	*(1E-07, 6E-07)*	8E-07	*(3E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
BERYLLIUM	6E-08	*(1E-08, 4E-07)*	4E-06	*(1E-06, 1E-05)*	1E-05	*(3E-06, 2E-05)*	*	*
CADMIUM	1E-04	*(4E-05, 7E-04)*	8E-03	*(4E-03, 3E-02)*	4E-02	*(7E-03, 5E-02)*	*	*
CHROMIUM (III)	3E-09	*(1E-09, 4E-09)*	4E-08	*(2E-08, 8E-08)*	9E-08	*(4E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*
CHROMIUM (VI)	1E-07	*(3E-08, 9E-07)*	2E-05	*	3E-05	*	*	*
COBALT	2E-09	*(9E-10, 4E-09)*	4E-07	*	5E-07	*	*	*
MANGANESE	5E-09	*(3E-09, 1E-08)*	8E-07	*	1E-06	*	*	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 5E-07)*	9E-06	*(2E-06, 6E-05)*	5E-05	*(5E-06, 2E-04)*	3E-04	*
MERCURY (METHYL)	4E-06	*(6E-08, 7E-05)*	2E-03	*(6E-04, 4E-02)*	4E-02	*(1E-03, 2E-01)*	*	*
NICKEL	1E-07	*(2E-08, 4E-07)*	8E-06	*(1E-06, 2E-05)*	1E-05	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	4E-10	*(1E-10, 1E-08)*	1E-06	*	3E-06	*	*	*
THALLIUM	4E-06	*(3E-06, 7E-06)*	3E-04	*(5E-05, 2E-03)*	3E-03	*	*	*
Hazard Index	1E-03	*(4E-04, 2E-03)*	6E-02	*(2E-02, 1E-01)*	1E-01	*(3E-02, 4E-01)*	1	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(4E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	8E-04	*
CHLORINE (CL2)	9E-04	*(6E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	1E-04	*(5E-05, 3E-04)*	3E-04	*(9E-05, 9E-04)*	1E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(2E-04, 3E-03)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(3E-02, 7E-02)*	*	*
TCDD-TEQ	1E-03	*(3E-04, 4E-03)*	4E-02	*(2E-02, 4E-02)*	6E-02	*(4E-02, 7E-02)*	9E-02	*(7E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A57. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(8E-09, 4E-08)*	1E-06	*(4E-07, 4E-06)*	7E-06	*(1E-06, 1E-05)*	**3E-05**	***(1E-05, 7E-05)***
ARSENIC	4E-11	*(1E-11, 2E-10)*	1E-09	*(8E-10, 3E-09)*	5E-09	*(2E-09, 6E-09)*	9E-09	*(7E-09, 1E-08)*
Additive Risk	2E-08	*(1E-08, 4E-08)*	1E-06	*(4E-07, 4E-06)*	7E-06	*(1E-06, 2E-05)*	**4E-05**	***(2E-05, 8E-05)***
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 4E-11)*	9E-10	*(3E-10, 3E-09)*	4E-09	*(8E-10, 9E-09)*	2E-08	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	5E-09	*(2E-09, 8E-09)*	9E-09	*(4E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	4E-11	*(2E-11, 7E-11)*	1E-10	*(5E-11, 2E-10)*	4E-10	*(2E-10, 7E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 2E-08)*	4E-08	*
NICKEL	2E-11	*(8E-12, 3E-11)*	2E-10	*(1E-10, 3E-10)*	5E-10	*(3E-10, 7E-10)*	1E-09	*
Additive Risk	1E-09	*(5E-10, 2E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(1E-07, 9E-07)*	2E-05	*	*	*	*	*
ARSENIC	9E-07	*(4E-07, 4E-06)*	4E-05	*(2E-05, 8E-05)*	9E-05	*(5E-05, 1E-04)*	2E-04	*
BARIUM	1E-07	*(5E-08, 3E-07)*	3E-06	*(1E-06, 4E-06)*	6E-06	*(3E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 5E-07)*	1E-06	*(6E-07, 2E-06)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	1E-08	*(5E-09, 2E-08)*	4E-07	*(2E-07, 8E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 4E-06)*
CHROMIUM (VI)	4E-07	*(2E-07, 9E-07)*	1E-05	*(6E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 6E-05)*
COBALT	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(2E-06, 5E-06)*	*	*
MANGANESE	1E-07	*(8E-08, 2E-07)*	2E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 3E-06)*	6E-06	*(4E-06, 7E-06)*
MERCURY (DIVALENT)	5E-05	*(2E-05, 9E-05)*	9E-04	*(4E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	8E-03	*(3E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(8E-05, 4E-04)*	*	*	*	*	*	*
NICKEL	2E-07	*(9E-08, 4E-07)*	9E-06	*(3E-06, 1E-05)*	1E-05	*(7E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*
SELENIUM	5E-06	*(2E-06, 9E-06)*	1E-04	*(8E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*	8E-04	*(6E-04, 9E-04)*
SILVER	5E-06	*(3E-06, 9E-06)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	8E-04	*(5E-04, 1E-03)*
THALLIUM	1E-05	*(7E-06, 2E-05)*	4E-04	*(1E-04, 9E-04)*	1E-03	*(3E-04, 3E-03)*	8E-03	*(3E-03, 9E-03)*
Hazard Index	5E-04	*(3E-04, 1E-03)*	2E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 8E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 8E-04)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*
MANGANESE	6E-05	*(4E-05, 8E-05)*	5E-04	*(3E-04, 7E-04)*	7E-04	*(6E-04, 9E-04)*	2E-03	*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 8E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(6E-06, 8E-05)*	2E-04	*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 2E-03)*	7E-02	*(2E-02, 2E-01)*	3E-01	*(6E-02, 7E-01)*	**1**	***(7E-01, 3)***

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A58. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(8E-10, 2E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(9E-08, 8E-07)*	2E-06	*(7E-07, 3E-06)*
ARSENIC	1E-11	*(8E-12, 9E-11)*	9E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	4E-09	*(9E-10, 5E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(1E-07, 1E-06)*	2E-06	*(8E-07, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 3E-11)*	9E-10	*(3E-10, 3E-09)*	5E-09	*(7E-10, 1E-08)*	2E-08	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	4E-11	*(2E-11, 7E-11)*	1E-10	*(4E-11, 2E-10)*	4E-10	*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 2E-08)*	4E-08	*
NICKEL	2E-11	*(8E-12, 3E-11)*	2E-10	*(1E-10, 3E-10)*	5E-10	*(3E-10, 7E-10)*	1E-09	*
Additive Risk	9E-10	*(4E-10, 2E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(1E-08, 1E-07)*	7E-06	*	*	*	*	*
ARSENIC	3E-07	*(2E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	3E-05	*(1E-05, 5E-05)*	*	*
BARIUM	1E-08	*(7E-09, 4E-08)*	5E-07	*(3E-07, 9E-07)*	1E-06	*(4E-07, 2E-06)*	4E-06	*(1E-06, 5E-06)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	1E-06	*(5E-07, 1E-06)*
CADMIUM	2E-06	*(1E-06, 4E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	9E-10	*(4E-10, 2E-09)*	3E-08	*(1E-08, 6E-08)*	8E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 3E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 4E-08)*	8E-07	*	*	*	*	*
COBALT	9E-10	*(6E-10, 1E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(4E-08, 7E-08)*
MANGANESE	2E-08	*(9E-09, 4E-08)*	3E-07	*	*	*	*	*
MERCURY (DIVALENT)	3E-07	*(9E-08, 9E-07)*	3E-05	*(8E-06, 7E-05)*	8E-05	*(2E-05, 2E-04)*	8E-04	*(8E-05, 9E-04)*
MERCURY (METHYL)	1E-05	*(5E-06, 6E-05)*	7E-03	*(5E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	2E-08	*(9E-09, 3E-08)*	5E-07	*	*	*	*	*
SELENIUM	9E-07	*(4E-07, 2E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	4E-09	*(9E-10, 5E-08)*	5E-07	*(3E-07, 1E-06)*	1E-06	*	*	*
THALLIUM	2E-06	*(8E-07, 5E-06)*	9E-05	*(4E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	*	*
Hazard Index	1E-04	*(5E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(5E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(5E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 7E-05)*	1E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 8E-04)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 3E-03)*	3E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	6E-05	*(4E-05, 7E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*(6E-04, 9E-04)*	2E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 8E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(6E-06, 7E-05)*	1E-04	*
Hazard Index	7E-04	*(4E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-05	*(4E-05, 1E-04)*	7E-03	*(9E-04, 1E-02)*	2E-02	*(5E-03, 4E-02)*	8E-02	*(3E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A59. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 3E-08)*	9E-07	*(3E-07, 3E-06)*	5E-06	*(9E-07, 9E-06)*	**3E-05**	***(9E-06, 5E-05)***
ARSENIC	4E-11	*(1E-11, 1E-10)*	1E-09	*(6E-10, 3E-09)*	4E-09	*(1E-09, 6E-09)*	9E-09	*(7E-09, 1E-08)*
Additive Risk	1E-08	*(9E-09, 3E-08)*	1E-06	*(3E-07, 3E-06)*	5E-06	*(1E-06, 1E-05)*	**3E-05**	***(1E-05, 6E-05)***
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 4E-11)*	1E-09	*(4E-10, 3E-09)*	5E-09	*(1E-09, 1E-08)*	2E-08	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*
BERYLLIUM	4E-12	*(2E-12, 6E-12)*	5E-11	*(3E-11, 8E-11)*	1E-10	*(6E-11, 2E-10)*	4E-10	*(2E-10, 7E-10)*
CADMIUM	5E-11	*(3E-11, 7E-11)*	4E-10	*(3E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	5E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	3E-10	*(1E-10, 4E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
Additive Risk	1E-09	*(6E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 6E-07)*	9E-06	*(4E-06, 4E-05)*	4E-05	*(8E-06, 5E-05)*	6E-05	*
ARSENIC	7E-07	*(3E-07, 3E-06)*	3E-05	*(1E-05, 6E-05)*	9E-05	*(3E-05, 1E-04)*	2E-04	*
BARIUM	7E-08	*(2E-08, 1E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 6E-06)*	1E-05	*(6E-06, 2E-05)*
BERYLLIUM	8E-09	*(4E-09, 1E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 2E-07)*	6E-07	*(2E-07, 9E-07)*
CADMIUM	4E-06	*(2E-06, 6E-06)*	5E-05	*(3E-05, 7E-05)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 5E-04)*
CHROMIUM (III)	6E-09	*(2E-09, 1E-08)*	2E-07	*(9E-08, 4E-07)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(8E-07, 2E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 5E-07)*	9E-06	*(3E-06, 1E-05)*	1E-05	*(6E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*
COBALT	9E-08	*(5E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*
MANGANESE	7E-08	*(4E-08, 9E-08)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 5E-05)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(5E-04, 2E-03)*	4E-03	*(2E-03, 6E-03)*
MERCURY (METHYL)	1E-04	*(5E-05, 3E-04)*	9E-03	*	*	*	*	*
NICKEL	1E-07	*(6E-08, 2E-07)*	6E-06	*(1E-06, 8E-06)*	9E-06	*(4E-06, 1E-05)*	2E-05	*(1E-05, 4E-05)*
SELENIUM	3E-06	*(1E-06, 7E-06)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
SILVER	2E-06	*(1E-06, 4E-06)*	6E-05	*(3E-05, 9E-05)*	1E-04	*(9E-05, 2E-04)*	4E-04	*(2E-04, 6E-04)*
THALLIUM	8E-06	*(5E-06, 1E-05)*	2E-04	*(9E-05, 8E-04)*	9E-04	*(2E-04, 2E-03)*	5E-03	*(2E-03, 8E-03)*
Hazard Index	3E-04	*(2E-04, 9E-04)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(9E-03, 2E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 8E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 8E-04)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*
MANGANESE	6E-05	*(4E-05, 8E-05)*	5E-04	*(3E-04, 7E-04)*	7E-04	*(6E-04, 9E-04)*	2E-03	*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 8E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(6E-06, 8E-05)*	2E-04	*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-04	*(2E-04, 9E-04)*	4E-02	*(9E-03, 1E-01)*	2E-01	*(3E-02, 4E-01)*	9E-01	*(4E-01, 2)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A60. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(9E-10, 3E-09)*	1E-07	*(3E-08, 4E-07)*	7E-07	*(1E-07, 1E-06)*	2E-06	*(9E-07, 4E-06)*
ARSENIC	1E-11	*(7E-12, 9E-11)*	9E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	*	*
Additive Risk	2E-09	*(1E-09, 4E-09)*	1E-07	*(3E-08, 4E-07)*	7E-07	*(1E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	1E-09	*(3E-10, 4E-09)*	6E-09	*(9E-10, 1E-08)*	3E-08	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	5E-09	*(2E-09, 8E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 8E-11)*	1E-10	*(5E-11, 2E-10)*	4E-10	*
CADMIUM	5E-11	*(3E-11, 7E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	5E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	3E-10	*(1E-10, 4E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*
Additive Risk	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(5E-09, 9E-08)*	5E-06	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	*	*
BARIUM	5E-09	*(2E-09, 9E-09)*	2E-07	*(9E-08, 3E-07)*	4E-07	*(2E-07, 7E-07)*	1E-06	*(4E-07, 1E-06)*
BERYLLIUM	1E-08	*(5E-09, 2E-08)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(8E-08, 1E-07)*	4E-07	*(2E-07, 9E-07)*
CADMIUM	1E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 7E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	3E-10	*(1E-10, 5E-10)*	8E-09	*(4E-09, 1E-08)*	2E-08	*(9E-09, 3E-08)*	5E-08	*(3E-08, 8E-08)*
CHROMIUM (VI)	1E-08	*(7E-09, 2E-08)*	6E-07	*(1E-07, 5E-06)*	4E-06	*(3E-07, 8E-06)*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
MANGANESE	9E-09	*(3E-09, 1E-08)*	9E-08	*	*	*	*	*
MERCURY (DIVALENT)	8E-08	*(3E-08, 3E-07)*	9E-06	*(2E-06, 1E-05)*	2E-05	*(6E-06, 5E-05)*	1E-04	*(2E-05, 3E-04)*
MERCURY (METHYL)	1E-05	*(5E-06, 6E-05)*	7E-03	*(5E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	9E-09	*(6E-09, 2E-08)*	2E-07	*(9E-08, 5E-06)*	5E-06	*(1E-07, 6E-06)*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	2E-09	*(4E-10, 3E-08)*	3E-07	*(1E-07, 1E-06)*	9E-07	*	*	*
THALLIUM	1E-06	*(6E-07, 4E-06)*	9E-05	*(3E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	*	*
Hazard Index	8E-05	*(4E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(5E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(5E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 7E-05)*	1E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 8E-04)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 3E-03)*	3E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	6E-05	*(4E-05, 7E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*(6E-04, 9E-04)*	2E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 8E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(6E-06, 7E-05)*	1E-04	*
Hazard Index	7E-04	*(4E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-05	*(3E-05, 1E-04)*	5E-03	*(9E-04, 1E-02)*	2E-02	*(4E-03, 4E-02)*	8E-02	*(3E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A61. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(3E-09, 1E-08)*	5E-07	*(1E-07, 1E-06)*	2E-06	*(4E-07, 6E-06)*	1E-05	*(5E-06, 3E-05)*
ARSENIC	2E-11	*(8E-12, 9E-11)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	4E-09	*
Additive Risk	7E-09	*(4E-09, 2E-08)*	5E-07	*(2E-07, 2E-06)*	3E-06	*(5E-07, 6E-06)*	**1E-05**	***(6E-06, 3E-05)***
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 3E-11)*	7E-10	*(2E-10, 2E-09)*	3E-09	*(6E-10, 7E-09)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 5E-11)*	7E-11	*(4E-11, 1E-10)*	3E-10	*(1E-10, 5E-10)*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	3E-09	*(2E-09, 7E-09)*	9E-09	*(3E-09, 1E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	2E-10	*(9E-11, 2E-10)*	4E-10	*(2E-10, 5E-10)*	9E-10	*
Additive Risk	7E-10	*(4E-10, 1E-09)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-08	*(4E-08, 3E-07)*	6E-06	*	*	*	*	*
ARSENIC	4E-07	*(1E-07, 1E-06)*	1E-05	*(7E-06, 2E-05)*	4E-05	*(1E-05, 6E-05)*	8E-05	*(7E-05, 9E-05)*
BARIUM	3E-08	*(1E-08, 7E-08)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(7E-07, 3E-06)*	7E-06	*(3E-06, 9E-06)*
BERYLLIUM	4E-09	*(2E-09, 7E-09)*	4E-08	*(3E-08, 6E-08)*	8E-08	*(5E-08, 9E-08)*	3E-07	*(1E-07, 5E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*
CHROMIUM (III)	3E-09	*(1E-09, 6E-09)*	9E-08	*(5E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	6E-07	*(4E-07, 9E-07)*
CHROMIUM (VI)	1E-07	*(6E-08, 2E-07)*	4E-06	*(1E-06, 6E-06)*	6E-06	*(3E-06, 8E-06)*	1E-05	*(9E-06, 2E-05)*
COBALT	4E-08	*(2E-08, 6E-08)*	5E-07	*(3E-07, 8E-07)*	9E-07	*(6E-07, 1E-06)*	*	*
MANGANESE	4E-08	*(2E-08, 5E-08)*	6E-07	*(3E-07, 8E-07)*	8E-07	*(7E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
MERCURY (DIVALENT)	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 6E-04)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(9E-04, 3E-03)*
MERCURY (METHYL)	9E-05	*(2E-05, 1E-04)*	5E-03	*	*	*	*	*
NICKEL	6E-08	*(3E-08, 1E-07)*	3E-06	*(8E-07, 4E-06)*	5E-06	*(2E-06, 7E-06)*	1E-05	*
SELENIUM	2E-06	*(8E-07, 3E-06)*	6E-05	*(3E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*
SILVER	1E-06	*(7E-07, 2E-06)*	3E-05	*(1E-05, 5E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*
THALLIUM	4E-06	*(2E-06, 7E-06)*	1E-04	*(5E-05, 4E-04)*	6E-04	*(9E-05, 1E-03)*	3E-03	*(1E-03, 4E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	6E-03	*(2E-03, 8E-03)*	8E-03	*(5E-03, 8E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 8E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 8E-04)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*
MANGANESE	6E-05	*(4E-05, 8E-05)*	5E-04	*(3E-04, 7E-04)*	7E-04	*(6E-04, 9E-04)*	2E-03	*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 8E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(6E-06, 8E-05)*	2E-04	*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(9E-05, 4E-04)*	1E-02	*(4E-03, 4E-02)*	7E-02	*(1E-02, 1E-01)*	3E-01	*(1E-01, 7E-01)*
TCDD-TEQ	2E-04	*(1E-04, 6E-04)*	2E-02	*(5E-03, 6E-02)*	9E-02	*(2E-02, 2E-01)*	5E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A62. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(8E-10, 2E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(9E-08, 8E-07)*	2E-06	*
ARSENIC	8E-12	*(4E-12, 6E-11)*	6E-10	*(2E-10, 8E-10)*	8E-10	*(3E-10, 1E-09)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(9E-08, 9E-07)*	2E-06	*(8E-07, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	6E-10	*(2E-10, 3E-09)*	4E-09	*(5E-10, 8E-09)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 1E-08)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 5E-11)*	7E-11	*(3E-11, 1E-10)*	3E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	3E-09	*(2E-09, 7E-09)*	9E-09	*(3E-09, 1E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	2E-10	*(1E-10, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
Additive Risk	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(2E-09, 6E-08)*	2E-06	*	*	*	*	*
ARSENIC	1E-07	*(8E-08, 9E-07)*	9E-06	*(3E-06, 1E-05)*	1E-05	*(6E-06, 3E-05)*	*	*
BARIUM	2E-09	*(1E-09, 6E-09)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(9E-08, 4E-07)*	6E-07	*(2E-07, 9E-07)*
BERYLLIUM	7E-09	*(3E-09, 1E-08)*	5E-08	*(3E-08, 6E-08)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(1E-07, 5E-07)*
CADMIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	1E-10	*(7E-11, 3E-10)*	4E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
CHROMIUM (VI)	7E-09	*(4E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	1E-09	*(5E-10, 3E-09)*	2E-08	*(8E-09, 1E-07)*	1E-07	*	*	*
MANGANESE	6E-09	*(2E-09, 9E-09)*	5E-08	*(2E-08, 4E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	4E-08	*(1E-08, 1E-07)*	4E-06	*(1E-06, 9E-06)*	1E-05	*(3E-06, 3E-05)*	8E-05	*(1E-05, 1E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(3E-04, 9E-03)*	1E-02	*(2E-03, 4E-02)*	*	*
NICKEL	6E-09	*(3E-09, 1E-08)*	1E-07	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	1E-09	*(2E-10, 2E-08)*	2E-07	*(8E-08, 7E-07)*	7E-07	*	*	*
THALLIUM	1E-06	*(4E-07, 3E-06)*	6E-05	*(2E-05, 8E-05)*	9E-05	*(6E-05, 1E-04)*	*	*
Hazard Index	6E-05	*(3E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(5E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 7E-05)*	1E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 8E-04)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 3E-03)*	3E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	6E-05	*(4E-05, 7E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*(6E-04, 9E-04)*	2E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 8E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(6E-06, 7E-05)*	1E-04	*
Hazard Index	7E-04	*(4E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-05	*(2E-05, 7E-05)*	3E-03	*(5E-04, 7E-03)*	1E-02	*(2E-03, 2E-02)*	5E-02	*(2E-02, 7E-02)*
TCDD-TEQ	6E-05	*(3E-05, 1E-04)*	4E-03	*(8E-04, 1E-02)*	2E-02	*(3E-03, 3E-02)*	7E-02	*(3E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A63. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-09	*(3E-09, 1E-08)*	6E-07	*(1E-07, 1E-06)*	3E-06	*(5E-07, 6E-06)*	**1E-05**	***(6E-06, 3E-05)***
ARSENIC	4E-11	*(1E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	5E-09	*(2E-09, 6E-09)*	9E-09	*(7E-09, 1E-08)*
Additive Risk	9E-09	*(5E-09, 2E-08)*	6E-07	*(2E-07, 2E-06)*	3E-06	*(6E-07, 7E-06)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 4E-11)*	1E-09	*(3E-10, 3E-09)*	5E-09	*(9E-10, 1E-08)*	2E-08	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	5E-11	*(3E-11, 8E-11)*	1E-10	*(5E-11, 2E-10)*	4E-10	*(2E-10, 7E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	5E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	3E-10	*(1E-10, 4E-10)*	5E-10	*(3E-10, 7E-10)*	1E-09	*
Additive Risk	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-08	*(3E-08, 2E-07)*	6E-06	*	*	*	*	*
ARSENIC	4E-07	*(1E-07, 1E-06)*	1E-05	*(8E-06, 2E-05)*	4E-05	*(1E-05, 6E-05)*	8E-05	*(6E-05, 9E-05)*
BARIUM	1E-08	*(6E-09, 3E-08)*	4E-07	*(2E-07, 7E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
BERYLLIUM	3E-09	*(2E-09, 6E-09)*	4E-08	*(2E-08, 5E-08)*	6E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 4E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	1E-09	*(7E-10, 3E-09)*	5E-08	*(2E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*
CHROMIUM (VI)	7E-08	*(3E-08, 1E-07)*	3E-06	*(9E-07, 6E-06)*	6E-06	*(2E-06, 7E-06)*	9E-06	*(4E-06, 1E-05)*
COBALT	3E-08	*(2E-08, 4E-08)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	*	*
MANGANESE	3E-08	*(2E-08, 4E-08)*	6E-07	*(2E-07, 7E-07)*	8E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*
MERCURY (DIVALENT)	9E-06	*(4E-06, 1E-05)*	1E-04	*(7E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*
MERCURY (METHYL)	9E-05	*(2E-05, 1E-04)*	5E-03	*	*	*	*	*
NICKEL	4E-08	*(2E-08, 8E-08)*	3E-06	*(5E-07, 5E-06)*	5E-06	*(9E-07, 5E-06)*	8E-06	*(4E-06, 9E-06)*
SELENIUM	2E-06	*(9E-07, 4E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
SILVER	6E-07	*(3E-07, 9E-07)*	1E-05	*(7E-06, 2E-05)*	3E-05	*(1E-05, 5E-05)*	9E-05	*(5E-05, 1E-04)*
THALLIUM	4E-06	*(2E-06, 7E-06)*	1E-04	*(4E-05, 3E-04)*	5E-04	*(9E-05, 9E-04)*	2E-03	*(9E-04, 4E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	7E-03	*(2E-03, 9E-03)*	9E-03	*(5E-03, 9E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 8E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 8E-04)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	2E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*
MANGANESE	6E-05	*(4E-05, 8E-05)*	5E-04	*(3E-04, 7E-04)*	7E-04	*(6E-04, 9E-04)*	2E-03	*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 8E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(6E-06, 8E-05)*	2E-04	*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(7E-05, 3E-04)*	9E-03	*(3E-03, 3E-02)*	5E-02	*(9E-03, 9E-02)*	2E-01	*(9E-02, 5E-01)*
TCDD-TEQ	1E-04	*(7E-05, 3E-04)*	1E-02	*(3E-03, 3E-02)*	5E-02	*(1E-02, 1E-01)*	3E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A64. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 5E-09)*	2E-07	*(4E-08, 5E-07)*	9E-07	*(1E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
ARSENIC	1E-11	*(9E-12, 9E-11)*	1E-09	*(3E-10, 2E-09)*	2E-09	*(7E-10, 3E-09)*	*	*
Additive Risk	3E-09	*(2E-09, 6E-09)*	2E-07	*(4E-08, 6E-07)*	9E-07	*(2E-07, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	6E-10	*(2E-10, 2E-09)*	4E-09	*(5E-10, 8E-09)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 1E-08)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 5E-11)*	7E-11	*(3E-11, 1E-10)*	3E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	3E-09	*(2E-09, 7E-09)*	9E-09	*(3E-09, 1E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	2E-10	*(9E-11, 3E-10)*	4E-10	*(2E-10, 5E-10)*	9E-10	*
Additive Risk	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(1E-09, 3E-08)*	3E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 9E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(6E-06, 3E-05)*	*	*
BARIUM	1E-09	*(6E-10, 2E-09)*	1E-07	*(2E-08, 2E-07)*	2E-07	*(9E-08, 5E-07)*	6E-07	*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	4E-08	*(3E-08, 5E-08)*	5E-08	*(4E-08, 8E-08)*	1E-07	*(9E-08, 3E-07)*
CADMIUM	9E-07	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	9E-11	*(3E-11, 1E-10)*	1E-09	*(9E-10, 3E-09)*	5E-09	*(2E-09, 6E-09)*	1E-08	*(7E-09, 1E-08)*
CHROMIUM (VI)	8E-09	*(4E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	1E-09	*(3E-10, 3E-09)*	1E-08	*	*	*	*	*
MANGANESE	4E-09	*(9E-10, 8E-09)*	4E-08	*(2E-08, 5E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	2E-08	*(6E-09, 9E-08)*	2E-06	*(5E-07, 4E-06)*	5E-06	*(1E-06, 9E-06)*	4E-05	*(4E-06, 6E-05)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(3E-04, 9E-03)*	1E-02	*(2E-03, 4E-02)*	*	*
NICKEL	6E-09	*(3E-09, 1E-08)*	2E-07	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	1E-09	*(1E-10, 2E-08)*	2E-07	*(9E-08, 8E-07)*	8E-07	*	*	*
THALLIUM	1E-06	*(4E-07, 3E-06)*	6E-05	*(2E-05, 8E-05)*	9E-05	*(7E-05, 1E-04)*	*	*
Hazard Index	6E-05	*(3E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	8E-07	*(4E-07, 2E-06)*	1E-05	*(8E-06, 3E-05)*	3E-05	*(1E-05, 5E-05)*	1E-04	*
CHLORINE (CL2)	3E-04	*(1E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	5E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 5E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 5E-05)*	8E-05	*
Hazard Index	5E-04	*(3E-04, 8E-04)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-05	*(2E-05, 9E-05)*	3E-03	*(6E-04, 9E-03)*	1E-02	*(3E-03, 3E-02)*	6E-02	*(2E-02, 8E-02)*
TCDD-TEQ	5E-05	*(3E-05, 9E-05)*	4E-03	*(8E-04, 1E-02)*	2E-02	*(3E-03, 3E-02)*	7E-02	*(3E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A65. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-06	*(2E-06, 5E-06)*	**3E-05**	***(2E-05, 3E-05)***	**4E-05**	***(3E-05, 5E-05)***	**8E-05**	***(4E-05, 1E-04)***
ARSENIC	9E-11	*(4E-11, 2E-10)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(5E-09, 7E-08)*	3E-07	*
Additive Risk	4E-06	*(2E-06, 6E-06)*	**3E-05**	***(2E-05, 4E-05)***	**4E-05**	***(3E-05, 5E-05)***	**9E-05**	***(5E-05, 1E-04)***
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	8E-08	*
ARSENIC	2E-10	*(9E-11, 5E-10)*	9E-09	*(3E-09, 3E-08)*	3E-08	*(6E-09, 1E-07)*	3E-07	*
BERYLLIUM	8E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 4E-10)*	4E-10	*(2E-10, 9E-10)*	1E-09	*
CADMIUM	1E-10	*(1E-10, 2E-10)*	5E-09	*(1E-09, 1E-08)*	2E-08	*(4E-09, 3E-08)*	9E-08	*(8E-08, 9E-08)*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	4E-08	*(2E-08, 9E-08)*	2E-07	*
NICKEL	9E-11	*(5E-11, 1E-10)*	8E-10	*(5E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
Additive Risk	7E-09	*(5E-09, 1E-08)*	6E-08	*(3E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-06	*(2E-06, 9E-06)*	4E-04	*(4E-05, 1E-03)*	2E-03	*(1E-04, 8E-03)*	3E-02	*
ARSENIC	2E-06	*(9E-07, 4E-06)*	1E-04	*(5E-05, 5E-04)*	8E-04	*(1E-04, 2E-03)*	7E-03	*
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(7E-06, 3E-05)*	4E-05	*(3E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*
BERYLLIUM	4E-08	*(2E-08, 6E-08)*	7E-07	*(3E-07, 1E-06)*	2E-06	*(7E-07, 4E-06)*	1E-05	*
CADMIUM	2E-05	*(9E-06, 5E-05)*	9E-04	*(2E-04, 2E-03)*	4E-03	*(9E-04, 7E-03)*	5E-02	*(4E-02, 6E-02)*
CHROMIUM (III)	7E-08	*(5E-08, 9E-08)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	7E-06	*
CHROMIUM (VI)	2E-06	*(1E-06, 3E-06)*	3E-05	*(2E-05, 5E-05)*	9E-05	*(4E-05, 1E-04)*	7E-04	*(6E-04, 8E-04)*
COBALT	4E-07	*(3E-07, 6E-07)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(5E-06, 7E-06)*	1E-05	*
MANGANESE	3E-07	*(2E-07, 5E-07)*	3E-06	*(2E-06, 4E-06)*	4E-06	*(3E-06, 6E-06)*	9E-06	*
MERCURY (DIVALENT)	1E-04	*(8E-05, 5E-04)*	8E-03	*(2E-03, 2E-02)*	2E-02	*(4E-03, 7E-02)*	2E-01	*
MERCURY (METHYL)	5E-04	*(1E-04, 1E-03)*	7E-02	*(8E-03, 8E-02)*	8E-02	*(1E-02, 9E-02)*	*	*
NICKEL	9E-07	*(6E-07, 1E-06)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	6E-05	*
SELENIUM	2E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 2E-03)*	4E-03	*
SILVER	7E-06	*(3E-06, 1E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	7E-04	*
THALLIUM	5E-05	*(2E-05, 9E-05)*	2E-03	*(8E-04, 3E-03)*	4E-03	*(2E-03, 6E-03)*	*	*
Hazard Index	2E-03	*(7E-04, 7E-03)*	9E-02	*(2E-02, 1E-01)*	1E-01	*(4E-02, 2E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 7E-06)*	8E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(5E-04, 5E-04)*
CHLORINE (CL2)	1E-03	*(8E-04, 2E-03)*	2E-02	*(1E-02, 5E-02)*	5E-02	*(2E-02, 1E-01)*	2E-01	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 3E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 1E-02)*	2E-02	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	8E-04	*(7E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 4E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	3E-02	*(1E-02, 5E-02)*	5E-02	*(3E-02, 1E-01)*	2E-01	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-01	*(9E-02, 2E-01)*	1	*(9E-01, 1)*	**2**	*(1 , 2)*	**4**	*(2 , 5)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A66. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 3E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
ARSENIC	2E-11	*(9E-12, 9E-11)*	3E-09	*(7E-10, 5E-09)*	6E-09	*(2E-09, 9E-09)*	3E-08	*
Additive Risk	3E-07	*(1E-07, 4E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 5E-08)*	9E-08	*
ARSENIC	2E-10	*(6E-11, 5E-10)*	2E-08	*(3E-09, 8E-08)*	8E-08	*(7E-09, 2E-07)*	3E-07	*
BERYLLIUM	1E-11	*(6E-12, 3E-11)*	3E-10	*(9E-11, 5E-10)*	5E-10	*(2E-10, 1E-09)*	1E-09	*
CADMIUM	2E-10	*(1E-10, 3E-10)*	7E-09	*(2E-09, 1E-08)*	3E-08	*(7E-09, 4E-08)*	9E-08	*(9E-08, 1E-07)*
CHROMIUM (VI)	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 5E-08)*	6E-08	*(2E-08, 1E-07)*	2E-07	*
NICKEL	9E-11	*(5E-11, 1E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	3E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	3E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(9E-08, 3E-06)*	2E-05	*(8E-06, 4E-05)*	4E-05	*(1E-05, 1E-04)*	3E-04	*
ARSENIC	6E-07	*(2E-07, 2E-06)*	7E-05	*(1E-05, 1E-04)*	1E-04	*(6E-05, 3E-04)*	6E-04	*(2E-04, 8E-04)*
BARIUM	9E-08	*(4E-08, 2E-07)*	4E-06	*(2E-06, 5E-06)*	8E-06	*(5E-06, 9E-06)*	3E-05	*(2E-05, 4E-05)*
BERYLLIUM	5E-08	*(3E-08, 9E-08)*	1E-06	*(5E-07, 2E-06)*	2E-06	*(1E-06, 5E-06)*	1E-05	*
CADMIUM	5E-06	*(3E-06, 1E-05)*	3E-04	*(8E-05, 2E-03)*	5E-03	*(5E-04, 6E-03)*	*	*
CHROMIUM (III)	8E-09	*(5E-09, 9E-09)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*
CHROMIUM (VI)	8E-08	*(3E-08, 2E-07)*	5E-06	*(6E-07, 6E-06)*	6E-06	*(1E-06, 6E-06)*	2E-05	*(1E-05, 2E-05)*
COBALT	2E-09	*(2E-09, 3E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	*	*
MANGANESE	3E-08	*(2E-08, 8E-08)*	4E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-06	*(3E-07, 5E-06)*	1E-04	*(3E-05, 2E-04)*	2E-04	*(9E-05, 5E-04)*	9E-04	*(2E-04, 2E-03)*
MERCURY (METHYL)	5E-05	*(4E-06, 2E-04)*	6E-03	*(6E-04, 2E-02)*	3E-02	*(4E-03, 6E-02)*	*	*
NICKEL	4E-08	*(2E-08, 8E-08)*	9E-07	*	*	*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	1E-09	*(5E-10, 1E-08)*	1E-06	*	*	*	*	*
THALLIUM	8E-06	*(3E-06, 1E-05)*	1E-04	*(9E-05, 2E-04)*	4E-04	*(2E-04, 4E-04)*	*	*
Hazard Index	3E-04	*(1E-04, 5E-04)*	2E-02	*(4E-03, 7E-02)*	8E-02	*(2E-02, 9E-02)*	1E-01	*(9E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 6E-04)*
CHLORINE (CL2)	2E-03	*(1E-03, 4E-03)*	3E-02	*(1E-02, 7E-02)*	8E-02	*(2E-02, 1E-01)*	2E-01	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(2E-03, 1E-02)*	2E-02	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	2E-04	*(1E-05, 1E-03)*	1E-03	*(4E-05, 3E-03)*	5E-03	*
Hazard Index	3E-03	*(2E-03, 6E-03)*	4E-02	*(2E-02, 8E-02)*	8E-02	*(3E-02, 2E-01)*	2E-01	*(5E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(5E-03, 1E-02)*	6E-02	*(5E-02, 8E-02)*	9E-02	*(6E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A67. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-06	*(1E-06, 4E-06)*	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	***(2E-05, 4E-05)***	**6E-05**	***(3E-05, 8E-05)***
ARSENIC	9E-11	*(4E-11, 1E-10)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(5E-09, 7E-08)*	3E-07	*
Additive Risk	3E-06	*(2E-06, 5E-06)*	**2E-05**	***(2E-05, 3E-05)***	**3E-05**	***(3E-05, 4E-05)***	**7E-05**	***(4E-05, 8E-05)***
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 4E-08)*	9E-08	*
ARSENIC	2E-10	*(1E-10, 6E-10)*	1E-08	*(3E-09, 4E-08)*	4E-08	*(7E-09, 1E-07)*	4E-07	*
BERYLLIUM	1E-11	*(5E-12, 2E-11)*	2E-10	*(8E-11, 4E-10)*	4E-10	*(2E-10, 1E-09)*	1E-09	*
CADMIUM	2E-10	*(1E-10, 3E-10)*	6E-09	*(1E-09, 1E-08)*	2E-08	*(4E-09, 4E-08)*	1E-07	*(9E-08, 1E-07)*
CHROMIUM (VI)	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 1E-07)*	2E-07	*
NICKEL	1E-10	*(6E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	3E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	7E-08	*(4E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(1E-06, 7E-06)*	2E-04	*(2E-05, 9E-04)*	1E-03	*(8E-05, 5E-03)*	2E-02	*
ARSENIC	1E-06	*(7E-07, 3E-06)*	1E-04	*(3E-05, 4E-04)*	6E-04	*(9E-05, 9E-04)*	5E-03	*
BARIUM	2E-07	*(1E-07, 4E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	9E-05	*(8E-05, 1E-04)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	3E-07	*(1E-07, 8E-07)*	9E-07	*(3E-07, 2E-06)*	6E-06	*
CADMIUM	1E-05	*(8E-06, 4E-05)*	7E-04	*(2E-04, 2E-03)*	3E-03	*(8E-04, 5E-03)*	4E-02	*(3E-02, 4E-02)*
CHROMIUM (III)	4E-08	*(2E-08, 5E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	4E-06	*
CHROMIUM (VI)	1E-06	*(7E-07, 1E-06)*	1E-05	*(1E-05, 3E-05)*	5E-05	*(2E-05, 7E-05)*	4E-04	*(3E-04, 4E-04)*
COBALT	2E-07	*(1E-07, 3E-07)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*	7E-06	*
MANGANESE	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	5E-06	*
MERCURY (DIVALENT)	9E-05	*(5E-05, 3E-04)*	5E-03	*(1E-03, 1E-02)*	1E-02	*(3E-03, 4E-02)*	1E-01	*
MERCURY (METHYL)	3E-04	*(9E-05, 7E-04)*	4E-02	*(6E-03, 6E-02)*	6E-02	*(7E-03, 7E-02)*	8E-02	*
NICKEL	6E-07	*(3E-07, 9E-07)*	9E-06	*(5E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	4E-05	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 5E-04)*	6E-04	*(3E-04, 1E-03)*	3E-03	*
SILVER	3E-06	*(2E-06, 7E-06)*	7E-05	*(3E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	*	*
THALLIUM	4E-05	*(1E-05, 6E-05)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	9E-03	*
Hazard Index	1E-03	*(5E-04, 5E-03)*	7E-02	*(1E-02, 7E-02)*	8E-02	*(3E-02, 1E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 7E-06)*	8E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(5E-04, 5E-04)*
CHLORINE (CL2)	1E-03	*(8E-04, 2E-03)*	2E-02	*(1E-02, 5E-02)*	5E-02	*(2E-02, 1E-01)*	2E-01	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 3E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 1E-02)*	2E-02	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	8E-04	*(7E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 4E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	3E-02	*(1E-02, 5E-02)*	5E-02	*(3E-02, 1E-01)*	2E-01	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-02	*(5E-02, 1E-01)*	8E-01	*(6E-01, 9E-01)*	1	*(9E-01, 1)*	**2**	*(1 , 3)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A68. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(1E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
ARSENIC	2E-11	*(8E-12, 7E-11)*	2E-09	*(5E-10, 4E-09)*	5E-09	*(1E-09, 8E-09)*	1E-08	*(9E-09, 1E-08)*
Additive Risk	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 6E-08)*	1E-07	*
ARSENIC	2E-10	*(7E-11, 6E-10)*	2E-08	*(4E-09, 9E-08)*	9E-08	*(8E-09, 2E-07)*	4E-07	*
BERYLLIUM	1E-11	*(7E-12, 3E-11)*	3E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 1E-09)*	2E-09	*
CADMIUM	2E-10	*(1E-10, 4E-10)*	8E-09	*(2E-09, 2E-08)*	3E-08	*(8E-09, 4E-08)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 5E-08)*	7E-08	*(2E-08, 2E-07)*	2E-07	*
NICKEL	1E-10	*(5E-11, 2E-10)*	1E-09	*(8E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*
Additive Risk	9E-09	*(6E-09, 2E-08)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	4E-07	*(4E-07, 6E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(3E-08, 2E-06)*	9E-06	*(7E-06, 1E-05)*	1E-05	*(8E-06, 4E-05)*	*	*
ARSENIC	3E-07	*(1E-07, 1E-06)*	4E-05	*(9E-06, 8E-05)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*
BARIUM	2E-08	*(9E-09, 7E-08)*	1E-06	*(5E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
BERYLLIUM	2E-08	*(1E-08, 4E-08)*	4E-07	*(2E-07, 7E-07)*	9E-07	*(4E-07, 2E-06)*	4E-06	*(1E-06, 5E-06)*
CADMIUM	4E-06	*(3E-06, 9E-06)*	3E-04	*(5E-05, 2E-03)*	5E-03	*(3E-04, 6E-03)*	*	*
CHROMIUM (III)	2E-09	*(1E-09, 3E-09)*	4E-08	*(2E-08, 7E-08)*	9E-08	*(6E-08, 9E-08)*	*	*
CHROMIUM (VI)	3E-08	*(1E-08, 1E-07)*	2E-06	*(2E-07, 3E-06)*	3E-06	*(9E-07, 3E-06)*	*	*
COBALT	6E-10	*(5E-10, 8E-10)*	8E-09	*(7E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	*	*
MANGANESE	9E-09	*(6E-09, 2E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	3E-07	*(9E-08, 1E-06)*	3E-05	*(9E-06, 7E-05)*	7E-05	*(3E-05, 1E-04)*	2E-04	*(6E-05, 4E-04)*
MERCURY (METHYL)	5E-05	*(4E-06, 2E-04)*	6E-03	*(6E-04, 2E-02)*	3E-02	*(4E-03, 6E-02)*	*	*
NICKEL	2E-08	*(9E-09, 4E-08)*	9E-07	*(9E-08, 4E-06)*	3E-06	*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	7E-10	*(2E-10, 3E-09)*	5E-07	*	*	*	*	*
THALLIUM	5E-06	*(2E-06, 1E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
Hazard Index	2E-04	*(8E-05, 4E-04)*	2E-02	*(3E-03, 7E-02)*	8E-02	*(2E-02, 9E-02)*	1E-01	*(9E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 6E-04)*
CHLORINE (CL2)	2E-03	*(1E-03, 4E-03)*	3E-02	*(1E-02, 7E-02)*	8E-02	*(2E-02, 1E-01)*	2E-01	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(2E-03, 1E-02)*	2E-02	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	2E-04	*(1E-05, 1E-03)*	1E-03	*(4E-05, 3E-03)*	5E-03	*
Hazard Index	3E-03	*(2E-03, 6E-03)*	4E-02	*(2E-02, 8E-02)*	8E-02	*(3E-02, 2E-01)*	2E-01	*(5E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(5E-03, 1E-02)*	6E-02	*(5E-02, 8E-02)*	9E-02	*(6E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A69. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-06	*(7E-07, 2E-06)*	9E-06	*(8E-06, 1E-05)*	**1E-05**	***(1E-05, 2E-05)***	**3E-05**	*
ARSENIC	5E-11	*(2E-11, 9E-11)*	3E-09	*(9E-10, 1E-08)*	1E-08	*(2E-09, 3E-08)*	1E-07	*
Additive Risk	1E-06	*(8E-07, 2E-06)*	**1E-05**	***(9E-06, 1E-05)***	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	***(2E-05, 4E-05)***
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 2E-09)*	1E-08	*(8E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	6E-08	*
ARSENIC	2E-10	*(7E-11, 4E-10)*	7E-09	*(2E-09, 3E-08)*	3E-08	*(4E-09, 8E-08)*	2E-07	*
BERYLLIUM	6E-12	*(4E-12, 1E-11)*	1E-10	*(5E-11, 3E-10)*	3E-10	*(1E-10, 6E-10)*	1E-09	*
CADMIUM	1E-10	*(8E-11, 2E-10)*	4E-09	*(7E-10, 9E-09)*	1E-08	*(3E-09, 3E-08)*	7E-08	*(6E-08, 7E-08)*
CHROMIUM (VI)	9E-10	*(6E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	3E-08	*(1E-08, 7E-08)*	1E-07	*
NICKEL	6E-11	*(4E-11, 1E-10)*	6E-10	*(4E-10, 8E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
Additive Risk	5E-09	*(3E-09, 8E-09)*	5E-08	*(2E-08, 8E-08)*	1E-07	*(4E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(5E-07, 4E-06)*	1E-04	*(1E-05, 5E-04)*	6E-04	*(3E-05, 2E-03)*	*	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	6E-05	*(1E-05, 2E-04)*	3E-04	*(4E-05, 6E-04)*	3E-03	*
BARIUM	1E-07	*(6E-08, 2E-07)*	4E-06	*(1E-06, 8E-06)*	9E-06	*(7E-06, 1E-05)*	5E-05	*(4E-05, 5E-05)*
BERYLLIUM	9E-09	*(6E-09, 1E-08)*	1E-07	*(7E-08, 4E-07)*	5E-07	*(1E-07, 7E-07)*	3E-06	*
CADMIUM	9E-06	*(4E-06, 2E-05)*	3E-04	*(9E-05, 9E-04)*	2E-03	*(4E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*
CHROMIUM (III)	2E-08	*(1E-08, 2E-08)*	3E-07	*(2E-07, 5E-07)*	9E-07	*(4E-07, 1E-06)*	*	*
CHROMIUM (VI)	6E-07	*(3E-07, 8E-07)*	8E-06	*(5E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 2E-04)*
COBALT	9E-08	*(8E-08, 1E-07)*	9E-07	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*
MANGANESE	9E-08	*(7E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
MERCURY (DIVALENT)	5E-05	*(2E-05, 1E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 2E-02)*	5E-02	*
MERCURY (METHYL)	2E-04	*(5E-05, 3E-04)*	3E-02	*(2E-03, 4E-02)*	4E-02	*(4E-03, 4E-02)*	4E-02	*
NICKEL	2E-07	*(1E-07, 5E-07)*	5E-06	*(2E-06, 7E-06)*	9E-06	*(5E-06, 1E-05)*	2E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(1E-04, 7E-04)*	1E-03	*
SILVER	1E-06	*(9E-07, 3E-06)*	3E-05	*(1E-05, 6E-05)*	8E-05	*(3E-05, 9E-05)*	*	*
THALLIUM	1E-05	*(8E-06, 3E-05)*	7E-04	*(3E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	6E-03	*
Hazard Index	5E-04	*(3E-04, 2E-03)*	4E-02	*(6E-03, 4E-02)*	4E-02	*(1E-02, 5E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 7E-06)*	8E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(5E-04, 5E-04)*
CHLORINE (CL2)	1E-03	*(8E-04, 2E-03)*	2E-02	*(1E-02, 5E-02)*	5E-02	*(2E-02, 1E-01)*	2E-01	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 3E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 1E-02)*	2E-02	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	8E-04	*(7E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 4E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	3E-02	*(1E-02, 5E-02)*	5E-02	*(3E-02, 1E-01)*	2E-01	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-02	*(2E-02, 6E-02)*	3E-01	*(2E-01, 3E-01)*	4E-01	*(3E-01, 5E-01)*	8E-01	*(4E-01, 1)*
TCDD-TEQ	5E-02	*(3E-02, 8E-02)*	4E-01	*(3E-01, 5E-01)*	5E-01	*(4E-01, 7E-01)*	**1**	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A70. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(9E-08, 3E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*	*	*
ARSENIC	1E-11	*(5E-12, 4E-11)*	1E-09	*(3E-10, 3E-09)*	3E-09	*(9E-10, 5E-09)*	7E-09	*(6E-09, 7E-09)*
Additive Risk	2E-07	*(1E-07, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 4E-08)*	7E-08	*
ARSENIC	1E-10	*(5E-11, 4E-10)*	2E-08	*(2E-09, 6E-08)*	6E-08	*(5E-09, 2E-07)*	2E-07	*
BERYLLIUM	9E-12	*(4E-12, 2E-11)*	2E-10	*(7E-11, 4E-10)*	4E-10	*(2E-10, 8E-10)*	1E-09	*
CADMIUM	1E-10	*(8E-11, 2E-10)*	5E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(7E-09, 3E-08)*	4E-08	*(1E-08, 1E-07)*	1E-07	*
NICKEL	7E-11	*(3E-11, 1E-10)*	6E-10	*(5E-10, 8E-10)*	1E-09	*(7E-10, 1E-09)*	2E-09	*
Additive Risk	6E-09	*(4E-09, 1E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 2E-07)*	3E-07	*(3E-07, 4E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(2E-08, 9E-07)*	6E-06	*(4E-06, 8E-06)*	8E-06	*(5E-06, 2E-05)*	5E-05	*
ARSENIC	2E-07	*(9E-08, 7E-07)*	3E-05	*(6E-06, 5E-05)*	6E-05	*(2E-05, 9E-05)*	1E-04	*(1E-04, 1E-04)*
BARIUM	1E-08	*(6E-09, 4E-08)*	7E-07	*(2E-07, 8E-07)*	9E-07	*(8E-07, 1E-06)*	4E-06	*(3E-06, 5E-06)*
BERYLLIUM	1E-08	*(8E-09, 2E-08)*	2E-07	*(9E-08, 4E-07)*	7E-07	*(2E-07, 9E-07)*	2E-06	*
CADMIUM	3E-06	*(2E-06, 7E-06)*	2E-04	*(3E-05, 1E-03)*	3E-03	*(2E-04, 4E-03)*	*	*
CHROMIUM (III)	1E-09	*(8E-10, 1E-09)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(3E-08, 5E-08)*	*	*
CHROMIUM (VI)	2E-08	*(1E-08, 9E-08)*	1E-06	*(1E-07, 2E-06)*	2E-06	*(6E-07, 2E-06)*	*	*
COBALT	2E-09	*(9E-10, 5E-09)*	4E-08	*	*	*	*	*
MANGANESE	6E-09	*(3E-09, 1E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-07	*(5E-08, 7E-07)*	2E-05	*(5E-06, 3E-05)*	4E-05	*(1E-05, 7E-05)*	1E-04	*(3E-05, 2E-04)*
MERCURY (METHYL)	4E-05	*(2E-06, 1E-04)*	4E-03	*(4E-04, 9E-03)*	1E-02	*(3E-03, 4E-02)*	*	*
NICKEL	1E-08	*(7E-09, 2E-08)*	6E-07	*	*	*	*	*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	4E-10	*(1E-10, 2E-09)*	3E-07	*	*	*	*	*
THALLIUM	3E-06	*(1E-06, 9E-06)*	9E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
Hazard Index	1E-04	*(6E-05, 3E-04)*	1E-02	*(3E-03, 5E-02)*	6E-02	*(1E-02, 7E-02)*	9E-02	*(7E-02, 9E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 6E-04)*
CHLORINE (CL2)	2E-03	*(1E-03, 4E-03)*	3E-02	*(1E-02, 7E-02)*	8E-02	*(2E-02, 1E-01)*	2E-01	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(2E-03, 1E-02)*	2E-02	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	2E-04	*(1E-05, 1E-03)*	1E-03	*(4E-05, 3E-03)*	5E-03	*
Hazard Index	3E-03	*(2E-03, 6E-03)*	4E-02	*(2E-02, 8E-02)*	8E-02	*(3E-02, 2E-01)*	2E-01	*(5E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-03	*(3E-03, 9E-03)*	3E-02	*(2E-02, 5E-02)*	6E-02	*(3E-02, 7E-02)*	*	*
TCDD-TEQ	8E-03	*(4E-03, 1E-02)*	4E-02	*(4E-02, 7E-02)*	8E-02	*(4E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A71. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-06	*(8E-07, 2E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	***(2E-05, 5E-05)***
ARSENIC	9E-11	*(4E-11, 2E-10)*	6E-09	*(2E-09, 2E-08)*	3E-08	*(5E-09, 6E-08)*	3E-07	*
Additive Risk	1E-06	*(9E-07, 3E-06)*	**1E-05**	***(1E-05, 2E-05)***	**2E-05**	***(1E-05, 2E-05)***	**4E-05**	***(2E-05, 5E-05)***
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 4E-08)*	9E-08	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	1E-08	*(3E-09, 4E-08)*	4E-08	*(6E-09, 1E-07)*	3E-07	*
BERYLLIUM	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 4E-10)*	4E-10	*(2E-10, 9E-10)*	1E-09	*
CADMIUM	2E-10	*(1E-10, 3E-10)*	6E-09	*(1E-09, 1E-08)*	2E-08	*(4E-09, 4E-08)*	1E-07	*(8E-08, 1E-07)*
CHROMIUM (VI)	1E-09	*(9E-10, 2E-09)*	2E-08	*(9E-09, 3E-08)*	4E-08	*(2E-08, 1E-07)*	2E-07	*
NICKEL	9E-11	*(5E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	3E-09	*
Additive Risk	7E-09	*(5E-09, 1E-08)*	7E-08	*(4E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	9E-07	*(4E-07, 3E-06)*	9E-05	*(9E-06, 3E-04)*	4E-04	*(2E-05, 1E-03)*	7E-03	*
ARSENIC	9E-07	*(4E-07, 2E-06)*	6E-05	*(2E-05, 2E-04)*	3E-04	*(4E-05, 6E-04)*	2E-03	*
BARIUM	6E-08	*(3E-08, 1E-07)*	2E-06	*(9E-07, 3E-06)*	5E-06	*(3E-06, 7E-06)*	2E-05	*(1E-05, 2E-05)*
BERYLLIUM	8E-09	*(6E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	2E-06	*
CADMIUM	8E-06	*(4E-06, 2E-05)*	4E-04	*(9E-05, 1E-03)*	2E-03	*(5E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*
CHROMIUM (III)	9E-09	*(7E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(2E-07, 6E-07)*	*	*
CHROMIUM (VI)	3E-07	*(2E-07, 7E-07)*	5E-06	*(3E-06, 7E-06)*	1E-05	*(7E-06, 2E-05)*	9E-05	*(8E-05, 1E-04)*
COBALT	8E-08	*(6E-08, 1E-07)*	7E-07	*(6E-07, 9E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*
MANGANESE	7E-08	*(4E-08, 1E-07)*	7E-07	*(4E-07, 9E-07)*	9E-07	*(6E-07, 1E-06)*	*	*
MERCURY (DIVALENT)	3E-05	*(1E-05, 9E-05)*	1E-03	*(5E-04, 5E-03)*	5E-03	*(9E-04, 1E-02)*	4E-02	*
MERCURY (METHYL)	1E-04	*(5E-05, 2E-04)*	2E-02	*	*	*	*	*
NICKEL	1E-07	*(9E-08, 3E-07)*	4E-06	*(1E-06, 5E-06)*	6E-06	*(3E-06, 8E-06)*	1E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 8E-04)*	2E-03	*
SILVER	8E-07	*(4E-07, 1E-06)*	1E-05	*(8E-06, 3E-05)*	4E-05	*(1E-05, 5E-05)*	7E-05	*
THALLIUM	1E-05	*(7E-06, 3E-05)*	7E-04	*(3E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	5E-03	*(4E-03, 6E-03)*
Hazard Index	4E-04	*(2E-04, 2E-03)*	4E-02	*(5E-03, 4E-02)*	4E-02	*(1E-02, 5E-02)*	7E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 7E-06)*	8E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(5E-04, 5E-04)*
CHLORINE (CL2)	1E-03	*(8E-04, 2E-03)*	2E-02	*(1E-02, 5E-02)*	5E-02	*(2E-02, 1E-01)*	2E-01	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(7E-05, 3E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 1E-02)*	2E-02	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	8E-04	*(7E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 4E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(8E-05, 2E-03)*	4E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	3E-02	*(1E-02, 5E-02)*	5E-02	*(3E-02, 1E-01)*	2E-01	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-02	*(1E-02, 4E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	6E-01	*(3E-01, 8E-01)*
TCDD-TEQ	3E-02	*(2E-02, 5E-02)*	2E-01	*(2E-01, 3E-01)*	3E-01	*(3E-01, 4E-01)*	7E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A72. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-07	*(2E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(2E-06, 4E-06)*	*	*
ARSENIC	2E-11	*(1E-11, 4E-11)*	2E-09	*(6E-10, 5E-09)*	5E-09	*(2E-09, 6E-09)*	*	*
Additive Risk	4E-07	*(2E-07, 6E-07)*	2E-06	*(2E-06, 4E-06)*	4E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 4E-08)*	7E-08	*
ARSENIC	1E-10	*(5E-11, 4E-10)*	2E-08	*(2E-09, 6E-08)*	6E-08	*(5E-09, 2E-07)*	2E-07	*
BERYLLIUM	9E-12	*(4E-12, 2E-11)*	2E-10	*(7E-11, 4E-10)*	4E-10	*(2E-10, 8E-10)*	1E-09	*
CADMIUM	1E-10	*(8E-11, 2E-10)*	5E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(7E-09, 3E-08)*	4E-08	*(1E-08, 1E-07)*	1E-07	*
NICKEL	6E-11	*(3E-11, 1E-10)*	6E-10	*(5E-10, 8E-10)*	1E-09	*(7E-10, 1E-09)*	2E-09	*
Additive Risk	6E-09	*(4E-09, 1E-08)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 2E-07)*	3E-07	*(3E-07, 4E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(1E-08, 9E-07)*	7E-06	*(3E-06, 8E-06)*	8E-06	*(6E-06, 1E-05)*	*	*
ARSENIC	2E-07	*(9E-08, 4E-07)*	2E-05	*(5E-06, 4E-05)*	5E-05	*(2E-05, 6E-05)*	*	*
BARIUM	7E-09	*(2E-09, 1E-08)*	5E-07	*(1E-07, 6E-07)*	6E-07	*(3E-07, 8E-07)*	2E-06	*(1E-06, 2E-06)*
BERYLLIUM	9E-09	*(6E-09, 2E-08)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(1E-07, 7E-07)*	*	*
CADMIUM	3E-06	*(2E-06, 6E-06)*	1E-04	*(3E-05, 1E-03)*	3E-03	*(2E-04, 4E-03)*	*	*
CHROMIUM (III)	5E-10	*(3E-10, 7E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
CHROMIUM (VI)	2E-08	*(9E-09, 8E-08)*	8E-07	*(2E-07, 2E-06)*	2E-06	*(5E-07, 3E-06)*	*	*
COBALT	9E-10	*(6E-10, 4E-09)*	5E-08	*	*	*	*	*
MANGANESE	3E-09	*(1E-09, 9E-09)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	8E-08	*(2E-08, 3E-07)*	8E-06	*(2E-06, 1E-05)*	1E-05	*(7E-06, 3E-05)*	5E-05	*(1E-05, 8E-05)*
MERCURY (METHYL)	4E-05	*(2E-06, 1E-04)*	4E-03	*(4E-04, 9E-03)*	1E-02	*(3E-03, 4E-02)*	*	*
NICKEL	9E-09	*(5E-09, 2E-08)*	6E-07	*	*	*	*	*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	4E-10	*(9E-11, 1E-09)*	4E-07	*	*	*	*	*
THALLIUM	3E-06	*(1E-06, 9E-06)*	9E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
Hazard Index	1E-04	*(5E-05, 3E-04)*	1E-02	*(3E-03, 5E-02)*	6E-02	*(1E-02, 7E-02)*	9E-02	*(7E-02, 9E-02)*
Non-Cancer - Inhalation								
BARIUM	4E-06	*(2E-06, 7E-06)*	8E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(4E-04, 4E-04)*
CHLORINE (CL2)	2E-03	*(8E-04, 3E-03)*	2E-02	*(1E-02, 5E-02)*	5E-02	*(2E-02, 9E-02)*	1E-01	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(7E-05, 3E-04)*	2E-03	*(1E-03, 4E-03)*	4E-03	*(2E-03, 9E-03)*	1E-02	*
MANGANESE	1E-04	*(9E-05, 1E-04)*	6E-04	*(5E-04, 7E-04)*	8E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	9E-07	*(5E-07, 2E-06)*	1E-04	*(9E-06, 8E-04)*	8E-04	*(2E-05, 2E-03)*	3E-03	*
Hazard Index	2E-03	*(1E-03, 4E-03)*	2E-02	*(1E-02, 5E-02)*	5E-02	*(2E-02, 1E-01)*	1E-01	*(3E-02, 2E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-03	*(3E-03, 1E-02)*	4E-02	*(3E-02, 6E-02)*	7E-02	*(4E-02, 8E-02)*	*	*
TCDD-TEQ	8E-03	*(4E-03, 1E-02)*	4E-02	*(4E-02, 7E-02)*	7E-02	*(4E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A73. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 5E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	9E-06	*(4E-06, 1E-05)*
ARSENIC	3E-10	*(9E-11, 7E-10)*	4E-08	*(8E-09, 9E-08)*	1E-07	*(5E-08, 2E-07)*	6E-07	*(2E-07, 8E-07)*
Additive Risk	4E-08	*(2E-08, 6E-08)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	9E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(6E-10, 2E-09)*	5E-09	*
ARSENIC	4E-10	*(8E-11, 9E-10)*	2E-08	*(1E-08, 6E-08)*	1E-07	*(2E-08, 3E-07)*	1E-06	*
BERYLLIUM	6E-12	*(4E-12, 1E-11)*	7E-10	*(1E-10, 1E-09)*	2E-09	*(7E-10, 3E-09)*	6E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	2E-08	*(7E-09, 3E-08)*	5E-08	*(2E-08, 2E-07)*	6E-07	*
CHROMIUM (VI)	7E-10	*(3E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	6E-08	*(3E-08, 1E-07)*	4E-07	*
NICKEL	5E-11	*(3E-11, 8E-11)*	1E-09	*(7E-10, 2E-09)*	3E-09	*(2E-09, 5E-09)*	1E-08	*
Additive Risk	3E-09	*(2E-09, 6E-09)*	9E-08	*(4E-08, 2E-07)*	2E-07	*(1E-07, 6E-07)*	2E-06	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 4E-06)*	2E-03	*(9E-04, 9E-03)*	1E-02	*(2E-03, 2E-02)*	6E-02	*
ARSENIC	9E-06	*(2E-06, 1E-05)*	9E-04	*(2E-04, 2E-03)*	3E-03	*(1E-03, 6E-03)*	1E-02	*(4E-03, 2E-02)*
BARIUM	4E-07	*(2E-07, 6E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 5E-05)*	2E-04	*(6E-05, 4E-04)*
BERYLLIUM	3E-08	*(2E-08, 5E-08)*	3E-06	*(1E-06, 9E-06)*	2E-05	*(4E-06, 4E-05)*	7E-05	*(4E-05, 9E-05)*
CADMIUM	2E-05	*(1E-05, 3E-05)*	4E-03	*(2E-03, 9E-03)*	1E-02	*(6E-03, 3E-02)*	8E-02	*(3E-02, 1E-01)*
CHROMIUM (III)	4E-08	*(2E-08, 8E-08)*	2E-06	*(1E-06, 4E-06)*	6E-06	*(3E-06, 9E-06)*	2E-05	*(1E-05, 5E-05)*
CHROMIUM (VI)	9E-07	*(5E-07, 2E-06)*	7E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 4E-04)*	1E-03	*
COBALT	3E-07	*(2E-07, 5E-07)*	5E-06	*(3E-06, 6E-06)*	9E-06	*(7E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	3E-07	*(2E-07, 4E-07)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(6E-06, 9E-06)*	1E-05	*(1E-05, 2E-05)*
MERCURY (DIVALENT)	1E-04	*(9E-05, 3E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	8E-02	*(3E-02, 1E-01)*
MERCURY (METHYL)	9E-04	*(3E-04, 2E-03)*	2E-02	*(9E-03, 3E-02)*	4E-02	*(2E-02, 8E-02)*	*	*
NICKEL	8E-07	*(4E-07, 2E-06)*	4E-05	*(2E-05, 6E-05)*	1E-04	*(5E-05, 2E-04)*	6E-04	*(3E-04, 6E-04)*
SELENIUM	1E-05	*(6E-06, 2E-05)*	4E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	5E-03	*(1E-03, 7E-03)*
SILVER	9E-06	*(6E-06, 1E-05)*	2E-04	*(1E-04, 4E-04)*	5E-04	*(3E-04, 2E-03)*	4E-02	*(8E-04, 8E-02)*
THALLIUM	1E-05	*(1E-05, 3E-05)*	1E-03	*(7E-04, 3E-03)*	6E-03	*(2E-03, 1E-02)*	6E-02	*(1E-02, 7E-02)*
Hazard Index	4E-03	*(2E-03, 7E-03)*	6E-02	*(3E-02, 1E-01)*	1E-01	*(7E-02, 2E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	5E-04	*(3E-04, 9E-04)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 5E-03)*	7E-03	*(6E-03, 8E-03)*
MANGANESE	1E-04	*(8E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	2E-06	*(7E-07, 4E-06)*	9E-05	*(6E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(8E-04, 2E-03)*	3E-02	*(2E-02, 6E-02)*	9E-02	*(5E-02, 1E-01)*	4E-01	*(2E-01, 9E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A74. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(1E-09, 4E-09)*	2E-07	*(7E-08, 4E-07)*	5E-07	*(3E-07, 8E-07)*	*	*
ARSENIC	1E-10	*(6E-11, 3E-10)*	9E-09	*(2E-09, 8E-08)*	9E-08	*(1E-08, 1E-07)*	*	*
Additive Risk	4E-09	*(3E-09, 7E-09)*	2E-07	*(1E-07, 4E-07)*	7E-07	*(4E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(6E-10, 2E-09)*	6E-09	*
ARSENIC	4E-10	*(7E-11, 9E-10)*	3E-08	*(1E-08, 7E-08)*	1E-07	*(2E-08, 3E-07)*	1E-06	*
BERYLLIUM	5E-12	*(4E-12, 9E-12)*	4E-10	*(1E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	6E-09	*
CADMIUM	1E-10	*(6E-11, 3E-10)*	2E-08	*(6E-09, 3E-08)*	6E-08	*(2E-08, 2E-07)*	6E-07	*
CHROMIUM (VI)	6E-10	*(3E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	6E-08	*(3E-08, 1E-07)*	4E-07	*
NICKEL	4E-11	*(2E-11, 7E-11)*	1E-09	*(7E-10, 2E-09)*	3E-09	*(2E-09, 5E-09)*	1E-08	*
Additive Risk	3E-09	*(1E-09, 6E-09)*	1E-07	*(4E-08, 2E-07)*	3E-07	*(1E-07, 7E-07)*	2E-06	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(3E-08, 7E-07)*	6E-04	*(2E-05, 3E-03)*	5E-03	*	*	*
ARSENIC	5E-06	*(1E-06, 8E-06)*	2E-04	*(6E-05, 1E-03)*	2E-03	*(2E-04, 5E-03)*	*	*
BARIUM	7E-08	*(3E-08, 1E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 7E-06)*	2E-05	*(9E-06, 6E-05)*
BERYLLIUM	4E-08	*(2E-08, 6E-08)*	3E-06	*(9E-07, 9E-06)*	2E-05	*(4E-06, 4E-05)*	7E-05	*(3E-05, 8E-05)*
CADMIUM	9E-06	*(5E-06, 1E-05)*	3E-03	*(9E-04, 7E-03)*	9E-03	*(4E-03, 2E-02)*	7E-02	*(1E-02, 8E-02)*
CHROMIUM (III)	3E-09	*(1E-09, 7E-09)*	2E-07	*(9E-08, 3E-07)*	6E-07	*(3E-07, 8E-07)*	2E-06	*(1E-06, 4E-06)*
CHROMIUM (VI)	3E-08	*(2E-08, 6E-08)*	1E-05	*(2E-06, 2E-05)*	3E-05	*(9E-06, 5E-05)*	*	*
COBALT	2E-09	*(1E-09, 3E-09)*	4E-08	*(2E-08, 5E-08)*	7E-08	*(6E-08, 8E-08)*	1E-07	*(1E-07, 2E-07)*
MANGANESE	3E-08	*(2E-08, 5E-08)*	1E-06	*(3E-07, 2E-06)*	2E-06	*(9E-07, 3E-06)*	4E-06	*
MERCURY (DIVALENT)	2E-06	*(6E-07, 4E-06)*	8E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 9E-04)*	2E-03	*(5E-04, 5E-03)*
MERCURY (METHYL)	2E-05	*(7E-06, 8E-05)*	8E-03	*(2E-03, 2E-02)*	4E-02	*(8E-03, 9E-02)*	5E-01	*
NICKEL	4E-08	*(2E-08, 9E-08)*	6E-06	*(1E-06, 1E-05)*	1E-05	*(5E-06, 3E-05)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	5E-09	*(2E-09, 3E-08)*	2E-06	*(3E-07, 2E-06)*	3E-06	*(1E-06, 6E-06)*	*	*
THALLIUM	4E-06	*(2E-06, 7E-06)*	2E-04	*(9E-05, 4E-04)*	5E-04	*(3E-04, 5E-03)*	*	*
Hazard Index	3E-04	*(2E-04, 9E-04)*	3E-02	*(1E-02, 5E-02)*	1E-01	*(3E-02, 2E-01)*	5E-01	*(2E-01, 7E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	5E-04	*(3E-04, 8E-04)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 6E-03)*	7E-03	*
MANGANESE	1E-04	*(8E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	8E-05	*(5E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(5E-04, 3E-03)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(9E-05, 2E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(1E-02, 4E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A75. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	5E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	8E-06	*(3E-06, 1E-05)*
ARSENIC	3E-10	*(9E-11, 6E-10)*	4E-08	*(8E-09, 8E-08)*	1E-07	*(5E-08, 2E-07)*	6E-07	*(1E-07, 8E-07)*
Additive Risk	3E-08	*(2E-08, 5E-08)*	7E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	8E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	6E-10	*(4E-10, 8E-10)*	1E-09	*(7E-10, 2E-09)*	6E-09	*
ARSENIC	4E-10	*(9E-11, 1E-09)*	3E-08	*(1E-08, 7E-08)*	1E-07	*(3E-08, 3E-07)*	1E-06	*
BERYLLIUM	7E-12	*(5E-12, 1E-11)*	8E-10	*(1E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	7E-09	*
CADMIUM	1E-10	*(8E-11, 4E-10)*	2E-08	*(8E-09, 4E-08)*	5E-08	*(2E-08, 2E-07)*	7E-07	*
CHROMIUM (VI)	8E-10	*(4E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(3E-08, 2E-07)*	4E-07	*
NICKEL	5E-11	*(3E-11, 9E-11)*	1E-09	*(9E-10, 2E-09)*	4E-09	*(2E-09, 6E-09)*	1E-08	*
Additive Risk	4E-09	*(2E-09, 7E-09)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 6E-07)*	2E-06	*
Non-Cancer - Ingestion								
ANTIMONY	9E-07	*(2E-07, 3E-06)*	1E-03	*(5E-04, 6E-03)*	8E-03	*(1E-03, 1E-02)*	6E-02	*(9E-03, 7E-02)*
ARSENIC	6E-06	*(2E-06, 9E-06)*	7E-04	*(1E-04, 1E-03)*	2E-03	*(9E-04, 3E-03)*	9E-03	*(3E-03, 1E-02)*
BARIUM	2E-07	*(1E-07, 3E-07)*	4E-06	*(3E-06, 7E-06)*	1E-05	*(6E-06, 2E-05)*	9E-05	*(3E-05, 2E-04)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	1E-06	*(5E-07, 4E-06)*	9E-06	*(1E-06, 2E-05)*	3E-05	*(1E-05, 4E-05)*
CADMIUM	1E-05	*(8E-06, 2E-05)*	3E-03	*(1E-03, 7E-03)*	9E-03	*(4E-03, 2E-02)*	6E-02	*(2E-02, 1E-01)*
CHROMIUM (III)	2E-08	*(9E-09, 4E-08)*	1E-06	*(7E-07, 2E-06)*	3E-06	*(2E-06, 5E-06)*	1E-05	*(9E-06, 3E-05)*
CHROMIUM (VI)	6E-07	*(3E-07, 1E-06)*	4E-05	*(2E-05, 8E-05)*	1E-04	*(5E-05, 2E-04)*	7E-04	*(3E-04, 9E-04)*
COBALT	2E-07	*(1E-07, 3E-07)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
MANGANESE	1E-07	*(9E-08, 2E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	9E-06	*(7E-06, 9E-06)*
MERCURY (DIVALENT)	9E-05	*(5E-05, 2E-04)*	3E-03	*(2E-03, 5E-03)*	9E-03	*(4E-03, 1E-02)*	5E-02	*(1E-02, 7E-02)*
MERCURY (METHYL)	7E-04	*(2E-04, 1E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(1E-02, 5E-02)*	*	*
NICKEL	4E-07	*(2E-07, 9E-07)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
SELENIUM	8E-06	*(5E-06, 1E-05)*	2E-04	*(2E-04, 4E-04)*	6E-04	*(3E-04, 9E-04)*	4E-03	*(1E-03, 5E-03)*
SILVER	5E-06	*(3E-06, 7E-06)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(1E-04, 9E-04)*	2E-02	*(4E-04, 6E-02)*
THALLIUM	1E-05	*(8E-06, 2E-05)*	9E-04	*(5E-04, 2E-03)*	4E-03	*(1E-03, 8E-03)*	4E-02	*(8E-03, 5E-02)*
Hazard Index	2E-03	*(1E-03, 4E-03)*	4E-02	*(2E-02, 7E-02)*	9E-02	*(4E-02, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	5E-04	*(3E-04, 9E-04)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 5E-03)*	7E-03	*(6E-03, 8E-03)*
MANGANESE	1E-04	*(8E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	2E-06	*(7E-07, 4E-06)*	9E-05	*(6E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 7E-02)*	3E-01	*(1E-01, 5E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A76. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 6E-09)*	3E-07	*(9E-08, 5E-07)*	7E-07	*(4E-07, 9E-07)*	*	*
ARSENIC	1E-10	*(5E-11, 2E-10)*	9E-09	*(2E-09, 6E-08)*	7E-08	*	*	*
Additive Risk	5E-09	*(3E-09, 8E-09)*	3E-07	*(1E-07, 5E-07)*	8E-07	*(4E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 8E-10)*	1E-09	*(7E-10, 2E-09)*	7E-09	*
ARSENIC	4E-10	*(9E-11, 1E-09)*	3E-08	*(1E-08, 8E-08)*	1E-07	*(3E-08, 4E-07)*	1E-06	*
BERYLLIUM	6E-12	*(4E-12, 1E-11)*	5E-10	*(1E-10, 1E-09)*	2E-09	*(5E-10, 3E-09)*	7E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	2E-08	*(7E-09, 4E-08)*	7E-08	*(2E-08, 2E-07)*	7E-07	*
CHROMIUM (VI)	7E-10	*(3E-10, 1E-09)*	3E-08	*(1E-08, 6E-08)*	7E-08	*(3E-08, 2E-07)*	5E-07	*
NICKEL	5E-11	*(3E-11, 8E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 6E-09)*	1E-08	*
Additive Risk	3E-09	*(2E-09, 6E-09)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 8E-07)*	2E-06	*
Non-Cancer - Ingestion								
ANTIMONY	8E-08	*(1E-08, 3E-07)*	3E-04	*(7E-06, 2E-03)*	4E-03	*	*	*
ARSENIC	3E-06	*(9E-07, 4E-06)*	1E-04	*(4E-05, 9E-04)*	1E-03	*(2E-04, 2E-03)*	*	*
BARIUM	2E-08	*(9E-09, 4E-08)*	4E-07	*(2E-07, 5E-07)*	8E-07	*(4E-07, 1E-06)*	6E-06	*(2E-06, 1E-05)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	1E-06	*(4E-07, 5E-06)*	8E-06	*(1E-06, 2E-05)*	3E-05	*(1E-05, 4E-05)*
CADMIUM	9E-06	*(4E-06, 1E-05)*	2E-03	*(7E-04, 6E-03)*	8E-03	*(3E-03, 1E-02)*	5E-02	*
CHROMIUM (III)	9E-10	*(4E-10, 2E-09)*	5E-08	*(3E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	6E-07	*(3E-07, 1E-06)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	7E-06	*(9E-07, 1E-05)*	1E-05	*(6E-06, 4E-05)*	*	*
COBALT	6E-10	*(4E-10, 8E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(3E-08, 5E-08)*
MANGANESE	1E-08	*(8E-09, 2E-08)*	8E-07	*(9E-08, 1E-06)*	1E-06	*(5E-07, 2E-06)*	2E-06	*
MERCURY (DIVALENT)	5E-07	*(1E-07, 1E-06)*	2E-05	*(9E-06, 4E-05)*	6E-05	*(2E-05, 2E-04)*	6E-04	*
MERCURY (METHYL)	2E-05	*(6E-06, 8E-05)*	7E-03	*(2E-03, 2E-02)*	4E-02	*(8E-03, 9E-02)*	5E-01	*
NICKEL	2E-08	*(9E-09, 7E-08)*	3E-06	*(7E-07, 7E-06)*	8E-06	*(2E-06, 2E-05)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	2E-09	*(8E-10, 1E-08)*	8E-07	*(2E-07, 1E-06)*	2E-06	*(7E-07, 3E-06)*	*	*
THALLIUM	3E-06	*(1E-06, 5E-06)*	1E-04	*(9E-05, 3E-04)*	5E-04	*(2E-04, 4E-03)*	9E-03	*
Hazard Index	3E-04	*(1E-04, 8E-04)*	3E-02	*(1E-02, 5E-02)*	8E-02	*(3E-02, 1E-01)*	5E-01	*(1E-01, 7E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	5E-04	*(3E-04, 8E-04)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 6E-03)*	7E-03	*
MANGANESE	1E-04	*(8E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	8E-05	*(5E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(5E-04, 3E-03)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(8E-05, 2E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(1E-02, 4E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A77. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(6E-09, 1E-08)*	2E-07	*(1E-07, 4E-07)*	7E-07	*(4E-07, 9E-07)*	4E-06	*(1E-06, 7E-06)*
ARSENIC	2E-10	*(6E-11, 3E-10)*	2E-08	*(4E-09, 5E-08)*	6E-08	*(2E-08, 1E-07)*	3E-07	*(9E-08, 5E-07)*
Additive Risk	1E-08	*(8E-09, 2E-08)*	4E-07	*(2E-07, 5E-07)*	8E-07	*(5E-07, 1E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 3E-11)*	4E-10	*(2E-10, 5E-10)*	8E-10	*(5E-10, 1E-09)*	4E-09	*
ARSENIC	3E-10	*(6E-11, 7E-10)*	2E-08	*(9E-09, 4E-08)*	7E-08	*(2E-08, 2E-07)*	8E-07	*
BERYLLIUM	5E-12	*(3E-12, 8E-12)*	5E-10	*(9E-11, 1E-09)*	1E-09	*(5E-10, 2E-09)*	4E-09	*
CADMIUM	9E-11	*(5E-11, 2E-10)*	1E-08	*(5E-09, 2E-08)*	3E-08	*(1E-08, 1E-07)*	4E-07	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	2E-08	*(9E-09, 3E-08)*	4E-08	*(2E-08, 1E-07)*	3E-07	*
NICKEL	3E-11	*(2E-11, 6E-11)*	9E-10	*(5E-10, 1E-09)*	2E-09	*(1E-09, 4E-09)*	8E-09	*
Additive Risk	2E-09	*(1E-09, 4E-09)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 4E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 1E-06)*	7E-04	*(2E-04, 4E-03)*	5E-03	*(8E-04, 8E-03)*	3E-02	*(5E-03, 4E-02)*
ARSENIC	3E-06	*(9E-07, 6E-06)*	3E-04	*(7E-05, 9E-04)*	1E-03	*(5E-04, 2E-03)*	5E-03	*
BARIUM	9E-08	*(6E-08, 1E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 1E-05)*	4E-05	*(1E-05, 9E-05)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	7E-07	*(3E-07, 2E-06)*	5E-06	*(9E-07, 1E-05)*	2E-05	*(8E-06, 2E-05)*
CADMIUM	8E-06	*(4E-06, 1E-05)*	1E-03	*(9E-04, 4E-03)*	7E-03	*(2E-03, 1E-02)*	3E-02	*(1E-02, 8E-02)*
CHROMIUM (III)	9E-09	*(5E-09, 2E-08)*	5E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	6E-06	*(4E-06, 1E-05)*
CHROMIUM (VI)	3E-07	*(1E-07, 5E-07)*	2E-05	*(9E-06, 4E-05)*	6E-05	*(2E-05, 1E-04)*	3E-04	*(1E-04, 5E-04)*
COBALT	9E-08	*(6E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	6E-06	*(5E-06, 7E-06)*
MANGANESE	7E-08	*(5E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 5E-06)*
MERCURY (DIVALENT)	5E-05	*(2E-05, 9E-05)*	1E-03	*(9E-04, 2E-03)*	4E-03	*(2E-03, 7E-03)*	2E-02	*(9E-03, 3E-02)*
MERCURY (METHYL)	3E-04	*(1E-04, 7E-04)*	7E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	*	*
NICKEL	2E-07	*(9E-08, 5E-07)*	1E-05	*(7E-06, 2E-05)*	3E-05	*(1E-05, 8E-05)*	1E-04	*(9E-05, 2E-04)*
SELENIUM	4E-06	*(2E-06, 7E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(6E-04, 2E-03)*
SILVER	2E-06	*(1E-06, 3E-06)*	5E-05	*(3E-05, 9E-05)*	1E-04	*(7E-05, 4E-04)*	8E-03	*(2E-04, 2E-02)*
THALLIUM	6E-06	*(4E-06, 1E-05)*	5E-04	*(2E-04, 9E-04)*	2E-03	*(7E-04, 4E-03)*	1E-02	*(4E-03, 2E-02)*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(2E-02, 9E-02)*	2E-01	*(8E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	5E-04	*(3E-04, 9E-04)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 5E-03)*	7E-03	*(6E-03, 8E-03)*
MANGANESE	1E-04	*(8E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	2E-06	*(7E-07, 4E-06)*	9E-05	*(6E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-04	*(1E-04, 5E-04)*	7E-03	*(4E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	9E-02	*(4E-02, 1E-01)*
TCDD-TEQ	4E-04	*(2E-04, 7E-04)*	1E-02	*(5E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	2E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A78. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 4E-09)*	2E-07	*(6E-08, 3E-07)*	5E-07	*(3E-07, 8E-07)*	*	*
ARSENIC	9E-11	*(3E-11, 1E-10)*	7E-09	*(1E-09, 4E-08)*	5E-08	*(8E-09, 8E-08)*	9E-08	*(5E-08, 1E-07)*
Additive Risk	3E-09	*(2E-09, 6E-09)*	2E-07	*(9E-08, 4E-07)*	6E-07	*(3E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	4E-10	*(2E-10, 5E-10)*	8E-10	*(5E-10, 1E-09)*	4E-09	*
ARSENIC	3E-10	*(5E-11, 7E-10)*	2E-08	*(9E-09, 5E-08)*	8E-08	*(2E-08, 3E-07)*	8E-07	*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	3E-10	*(8E-11, 8E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*
CADMIUM	8E-11	*(5E-11, 2E-10)*	1E-08	*(5E-09, 2E-08)*	4E-08	*(1E-08, 1E-07)*	5E-07	*
CHROMIUM (VI)	4E-10	*(2E-10, 8E-10)*	2E-08	*(9E-09, 4E-08)*	5E-08	*(2E-08, 1E-07)*	3E-07	*
NICKEL	3E-11	*(2E-11, 5E-11)*	8E-10	*(5E-10, 1E-09)*	2E-09	*(1E-09, 4E-09)*	8E-09	*
Additive Risk	2E-09	*(1E-09, 4E-09)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 5E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	5E-08	*(9E-09, 2E-07)*	2E-04	*(4E-06, 1E-03)*	2E-03	*	*	*
ARSENIC	2E-06	*(6E-07, 3E-06)*	9E-05	*(3E-05, 7E-04)*	9E-04	*(1E-04, 1E-03)*	*	*
BARIUM	9E-09	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 9E-07)*	3E-06	*(1E-06, 8E-06)*
BERYLLIUM	1E-08	*(8E-09, 2E-08)*	9E-07	*(2E-07, 3E-06)*	5E-06	*(9E-07, 1E-05)*	2E-05	*(9E-06, 3E-05)*
CADMIUM	6E-06	*(2E-06, 8E-06)*	1E-03	*(5E-04, 4E-03)*	6E-03	*(2E-03, 9E-03)*	4E-02	*
CHROMIUM (III)	5E-10	*(2E-10, 9E-10)*	2E-08	*(1E-08, 5E-08)*	8E-08	*(4E-08, 1E-07)*	3E-07	*
CHROMIUM (VI)	1E-08	*(8E-09, 2E-08)*	4E-06	*(6E-07, 6E-06)*	1E-05	*(3E-06, 2E-05)*	*	*
COBALT	2E-09	*(1E-09, 4E-09)*	1E-07	*(1E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 6E-07)*
MANGANESE	7E-09	*(4E-09, 1E-08)*	5E-07	*(5E-08, 6E-07)*	7E-07	*(3E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 6E-07)*	9E-06	*(5E-06, 2E-05)*	3E-05	*(1E-05, 1E-04)*	3E-04	*(7E-05, 7E-04)*
MERCURY (METHYL)	1E-05	*(5E-06, 6E-05)*	5E-03	*(1E-03, 1E-02)*	3E-02	*(5E-03, 7E-02)*	3E-01	*
NICKEL	1E-08	*(8E-09, 4E-08)*	2E-06	*(4E-07, 4E-06)*	5E-06	*(1E-06, 9E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	2E-09	*(4E-10, 7E-09)*	7E-07	*(1E-07, 9E-07)*	9E-07	*(6E-07, 2E-06)*	*	*
THALLIUM	2E-06	*(1E-06, 4E-06)*	9E-05	*(7E-05, 2E-04)*	4E-04	*(1E-04, 2E-03)*	*	*
Hazard Index	2E-04	*(8E-05, 6E-04)*	2E-02	*(9E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*	3E-01	*(9E-02, 6E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	5E-04	*(3E-04, 8E-04)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 6E-03)*	7E-03	*
MANGANESE	1E-04	*(8E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	8E-05	*(5E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(5E-04, 3E-03)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-05	*(4E-05, 1E-04)*	6E-03	*(2E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*(3E-02, 7E-02)*
TCDD-TEQ	1E-04	*(6E-05, 2E-04)*	8E-03	*(3E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A79. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(7E-09, 2E-08)*	3E-07	*(2E-07, 5E-07)*	8E-07	*(5E-07, 1E-06)*	4E-06	*(2E-06, 8E-06)*
ARSENIC	3E-10	*(9E-11, 7E-10)*	4E-08	*(8E-09, 9E-08)*	1E-07	*(5E-08, 2E-07)*	5E-07	*(2E-07, 8E-07)*
Additive Risk	2E-08	*(1E-08, 3E-08)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(6E-07, 1E-06)*	5E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 4E-11)*	5E-10	*(3E-10, 8E-10)*	1E-09	*(7E-10, 2E-09)*	6E-09	*
ARSENIC	4E-10	*(8E-11, 1E-09)*	3E-08	*(1E-08, 6E-08)*	1E-07	*(3E-08, 3E-07)*	1E-06	*
BERYLLIUM	7E-12	*(4E-12, 1E-11)*	8E-10	*(1E-10, 1E-09)*	2E-09	*(7E-10, 3E-09)*	6E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	2E-08	*(7E-09, 3E-08)*	5E-08	*(2E-08, 2E-07)*	6E-07	*
CHROMIUM (VI)	7E-10	*(4E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	6E-08	*(3E-08, 1E-07)*	4E-07	*
NICKEL	5E-11	*(3E-11, 9E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 5E-09)*	1E-08	*
Additive Risk	3E-09	*(2E-09, 6E-09)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 6E-07)*	2E-06	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(1E-07, 1E-06)*	8E-04	*(2E-04, 4E-03)*	5E-03	*(8E-04, 9E-03)*	3E-02	*(6E-03, 4E-02)*
ARSENIC	3E-06	*(9E-07, 7E-06)*	3E-04	*(7E-05, 9E-04)*	1E-03	*(5E-04, 2E-03)*	5E-03	*
BARIUM	6E-08	*(3E-08, 9E-08)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(1E-06, 6E-06)*	2E-05	*(7E-06, 5E-05)*
BERYLLIUM	7E-09	*(4E-09, 1E-08)*	6E-07	*(2E-07, 1E-06)*	3E-06	*(8E-07, 9E-06)*	2E-05	*(6E-06, 2E-05)*
CADMIUM	9E-06	*(5E-06, 1E-05)*	2E-03	*(9E-04, 4E-03)*	8E-03	*(2E-03, 1E-02)*	3E-02	*(1E-02, 9E-02)*
CHROMIUM (III)	6E-09	*(2E-09, 1E-08)*	3E-07	*(1E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*	3E-06	*(2E-06, 7E-06)*
CHROMIUM (VI)	1E-07	*(8E-08, 3E-07)*	1E-05	*(7E-06, 3E-05)*	4E-05	*(2E-05, 8E-05)*	2E-04	*(9E-05, 3E-04)*
COBALT	6E-08	*(4E-08, 9E-08)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 4E-06)*
MANGANESE	5E-08	*(4E-08, 8E-08)*	9E-07	*(8E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 6E-05)*	9E-04	*(6E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*	1E-02	*(6E-03, 2E-02)*
MERCURY (METHYL)	3E-04	*(1E-04, 7E-04)*	7E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	*	*
NICKEL	1E-07	*(7E-08, 3E-07)*	9E-06	*(5E-06, 1E-05)*	2E-05	*(1E-05, 7E-05)*	1E-04	*
SELENIUM	4E-06	*(2E-06, 8E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	1E-06	*(8E-07, 1E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 2E-04)*	5E-03	*(8E-05, 1E-02)*
THALLIUM	6E-06	*(3E-06, 9E-06)*	4E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 4E-03)*	1E-02	*(3E-03, 2E-02)*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(1E-02, 3E-02)*	6E-02	*(2E-02, 8E-02)*	2E-01	*(7E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 5E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
CHLORINE (CL2)	5E-04	*(3E-04, 9E-04)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 5E-03)*	7E-03	*(6E-03, 8E-03)*
MANGANESE	1E-04	*(8E-05, 1E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	2E-06	*(7E-07, 4E-06)*	9E-05	*(6E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 3E-04)*	6E-03	*(3E-03, 9E-03)*	1E-02	*(9E-03, 2E-02)*	8E-02	*(3E-02, 1E-01)*
TCDD-TEQ	2E-04	*(1E-04, 4E-04)*	6E-03	*(3E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A80. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-09	*(3E-09, 8E-09)*	4E-07	*(1E-07, 7E-07)*	9E-07	*(5E-07, 1E-06)*	*	*
ARSENIC	2E-10	*(6E-11, 3E-10)*	9E-09	*(3E-09, 8E-08)*	9E-08	*	*	*
Additive Risk	6E-09	*(4E-09, 1E-08)*	4E-07	*(2E-07, 7E-07)*	1E-06	*(6E-07, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	4E-10	*(2E-10, 5E-10)*	8E-10	*(5E-10, 1E-09)*	4E-09	*
ARSENIC	3E-10	*(5E-11, 7E-10)*	2E-08	*(9E-09, 5E-08)*	8E-08	*(2E-08, 3E-07)*	8E-07	*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	3E-10	*(8E-11, 8E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*
CADMIUM	8E-11	*(5E-11, 2E-10)*	1E-08	*(5E-09, 2E-08)*	4E-08	*(1E-08, 1E-07)*	4E-07	*
CHROMIUM (VI)	4E-10	*(2E-10, 8E-10)*	2E-08	*(9E-09, 4E-08)*	5E-08	*(2E-08, 1E-07)*	3E-07	*
NICKEL	3E-11	*(2E-11, 5E-11)*	8E-10	*(5E-10, 1E-09)*	2E-09	*(1E-09, 4E-09)*	8E-09	*
Additive Risk	2E-09	*(1E-09, 4E-09)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 5E-07)*	1E-06	*
Non-Cancer - Ingestion								
ANTIMONY	5E-08	*(9E-09, 1E-07)*	2E-04	*(4E-06, 1E-03)*	2E-03	*	*	*
ARSENIC	1E-06	*(6E-07, 3E-06)*	9E-05	*(3E-05, 7E-04)*	9E-04	*	*	*
BARIUM	5E-09	*(2E-09, 9E-09)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	1E-06	*(5E-07, 3E-06)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	8E-07	*(2E-07, 2E-06)*	3E-06	*(8E-07, 9E-06)*	2E-05	*
CADMIUM	5E-06	*(2E-06, 8E-06)*	1E-03	*(5E-04, 4E-03)*	6E-03	*(2E-03, 9E-03)*	4E-02	*
CHROMIUM (III)	2E-10	*(1E-10, 5E-10)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(1E-08, 5E-08)*	1E-07	*(8E-08, 2E-07)*
CHROMIUM (VI)	1E-08	*(8E-09, 2E-08)*	5E-06	*(4E-07, 7E-06)*	1E-05	*(4E-06, 3E-05)*	*	*
COBALT	2E-09	*(8E-10, 3E-09)*	2E-07	*(1E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	*	*
MANGANESE	6E-09	*(2E-09, 9E-09)*	6E-07	*(3E-08, 7E-07)*	7E-07	*(3E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	1E-07	*(4E-08, 2E-07)*	4E-06	*(2E-06, 9E-06)*	1E-05	*(5E-06, 5E-05)*	1E-04	*(3E-05, 3E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 6E-05)*	5E-03	*(1E-03, 1E-02)*	3E-02	*(5E-03, 7E-02)*	3E-01	*
NICKEL	1E-08	*(6E-09, 4E-08)*	3E-06	*(4E-07, 5E-06)*	6E-06	*(1E-06, 1E-05)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	2E-09	*(3E-10, 1E-08)*	8E-07	*(1E-07, 9E-07)*	1E-06	*(7E-07, 2E-06)*	*	*
THALLIUM	2E-06	*(9E-07, 4E-06)*	9E-05	*(8E-05, 2E-04)*	3E-04	*(1E-04, 3E-03)*	*	*
Hazard Index	2E-04	*(9E-05, 6E-04)*	2E-02	*(9E-03, 4E-02)*	6E-02	*(2E-02, 1E-01)*	3E-01	*(1E-01, 6E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	4E-05	*(3E-05, 6E-05)*	8E-05	*(5E-05, 1E-04)*	3E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 6E-04)*	6E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 8E-05)*	6E-04	*(4E-04, 7E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(4E-07, 2E-06)*	6E-05	*(4E-05, 1E-04)*	2E-04	*(7E-05, 4E-04)*	1E-03	*(4E-04, 2E-03)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(5E-05, 1E-04)*	7E-03	*(2E-03, 9E-03)*	2E-02	*(9E-03, 3E-02)*	*	*
TCDD-TEQ	1E-04	*(6E-05, 1E-04)*	7E-03	*(2E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A81. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(9E-08, 9E-07)*	9E-06	*(2E-06, 1E-05)*	**1E-05**	***(8E-06, 2E-05)***	*	*
ARSENIC	9E-10	*(1E-10, 3E-09)*	2E-08	*(1E-08, 4E-08)*	6E-08	*(3E-08, 9E-08)*	2E-07	*(2E-07, 2E-07)*
Additive Risk	2E-07	*(1E-07, 9E-07)*	9E-06	*(3E-06, 1E-05)*	**2E-05**	***(8E-06, 2E-05)***	**3E-05**	***(2E-05, 4E-05)***
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 5E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
ARSENIC	7E-10	*(2E-10, 2E-09)*	4E-08	*(2E-08, 7E-08)*	1E-07	*(4E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(7E-11, 2E-09)*	1E-09	*(1E-10, 4E-09)*	7E-09	*(2E-10, 8E-09)*
CADMIUM	5E-10	*(1E-10, 1E-09)*	3E-08	*(2E-08, 4E-08)*	8E-08	*(6E-08, 1E-07)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(3E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	9E-11	*(5E-11, 1E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(7E-09, 9E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	5E-09	*(3E-09, 1E-08)*	1E-07	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(5E-06, 2E-04)*	4E-03	*(1E-03, 6E-03)*	7E-03	*(2E-03, 9E-03)*	*	*
ARSENIC	2E-05	*(4E-06, 8E-05)*	7E-04	*(3E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	5E-03	*(4E-03, 5E-03)*
BARIUM	1E-06	*(4E-07, 2E-06)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(5E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*
BERYLLIUM	9E-08	*(4E-08, 1E-07)*	1E-06	*(9E-07, 6E-06)*	6E-06	*(1E-06, 2E-05)*	7E-05	*(2E-06, 8E-05)*
CADMIUM	9E-05	*(2E-05, 2E-04)*	4E-03	*(3E-03, 7E-03)*	1E-02	*(9E-03, 1E-02)*	7E-02	*(6E-02, 7E-02)*
CHROMIUM (III)	1E-07	*(8E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(3E-06, 6E-06)*	*	*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	4E-06	*(2E-06, 6E-06)*	9E-06	*(8E-06, 9E-06)*	6E-05	*(5E-05, 6E-05)*
COBALT	9E-07	*(7E-07, 1E-06)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*
MANGANESE	9E-07	*(6E-07, 1E-06)*	8E-06	*(7E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	3E-05	*(3E-05, 3E-05)*
MERCURY (DIVALENT)	1E-03	*(7E-04, 2E-03)*	3E-02	*(8E-03, 8E-02)*	8E-02	*(1E-02, 1E-01)*	2E-01	*(9E-02, 2E-01)*
MERCURY (METHYL)	4E-03	*(3E-03, 9E-03)*	5E-02	*(4E-02, 8E-02)*	8E-02	*(5E-02, 9E-02)*	*	*
NICKEL	2E-06	*(9E-07, 3E-06)*	9E-05	*(4E-05, 1E-04)*	3E-04	*(1E-04, 4E-04)*	8E-04	*(7E-04, 8E-04)*
SELENIUM	8E-05	*(3E-05, 1E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
SILVER	3E-05	*(1E-05, 5E-05)*	6E-04	*(3E-04, 7E-04)*	8E-04	*(7E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	2E-04	*(5E-05, 6E-04)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*	2E-01	*(2E-01, 2E-01)*
Hazard Index	2E-02	*(9E-03, 5E-02)*	1E-01	*(7E-02, 2E-01)*	2E-01	*(1E-01, 3E-01)*	4E-01	*(3E-01, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(3E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 9E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(4E-04, 4E-03)*	6E-03	*(2E-03, 7E-03)*
MANGANESE	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (ELEMENTAL)	9E-06	*(5E-06, 2E-05)*	8E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
Hazard Index	6E-04	*(4E-04, 1E-03)*	6E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(5E-03, 4E-02)*	4E-01	*(1E-01, 9E-01)*	9E-01	*(3E-01, 1)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A82. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 4E-08)*	4E-07	*(1E-07, 1E-06)*	2E-06	*	*	*
ARSENIC	3E-10	*(6E-11, 1E-09)*	9E-09	*(5E-09, 2E-08)*	2E-08	*(7E-09, 3E-08)*	5E-08	*
Additive Risk	3E-08	*(2E-08, 5E-08)*	4E-07	*(1E-07, 1E-06)*	2E-06	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(8E-11, 6E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(5E-09, 1E-08)*	2E-08	*
ARSENIC	8E-10	*(3E-10, 2E-09)*	3E-08	*(1E-08, 7E-08)*	9E-08	*(3E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 2E-09)*	2E-09	*(1E-10, 4E-09)*	7E-09	*
CADMIUM	5E-10	*(1E-10, 1E-09)*	4E-08	*(2E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	9E-11	*(5E-11, 1E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(7E-09, 9E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	6E-09	*(3E-09, 1E-08)*	1E-07	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*
Non-Cancer - Ingestion								
ANTIMONY	9E-07	*(6E-07, 9E-06)*	*	*	*	*	*	*
ARSENIC	7E-06	*(1E-06, 4E-05)*	2E-04	*(1E-04, 5E-04)*	5E-04	*(2E-04, 6E-04)*	1E-03	*
BARIUM	2E-07	*(9E-08, 5E-07)*	5E-06	*(3E-06, 7E-06)*	9E-06	*(7E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
BERYLLIUM	1E-07	*(8E-08, 2E-07)*	2E-06	*(7E-07, 2E-05)*	2E-05	*(1E-06, 5E-05)*	7E-05	*
CADMIUM	4E-05	*(7E-06, 1E-04)*	4E-03	*(2E-03, 5E-03)*	6E-03	*(5E-03, 6E-03)*	*	*
CHROMIUM (III)	1E-08	*(8E-09, 2E-08)*	2E-07	*(1E-07, 2E-07)*	5E-07	*(3E-07, 5E-07)*	7E-07	*(7E-07, 8E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*
COBALT	8E-09	*(5E-09, 1E-08)*	9E-08	*(7E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*	2E-07	*(2E-07, 3E-07)*
MANGANESE	8E-08	*(4E-08, 3E-07)*	9E-07	*	*	*	*	*
MERCURY (DIVALENT)	3E-05	*(1E-05, 7E-05)*	5E-04	*(1E-04, 9E-04)*	9E-04	*(4E-04, 1E-03)*	*	*
MERCURY (METHYL)	2E-03	*(9E-04, 3E-03)*	6E-02	*(8E-03, 9E-02)*	9E-02	*	*	*
NICKEL	1E-07	*(5E-08, 7E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(5E-06, 5E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	9E-09	*(9E-09, 1E-08)*	2E-06	*	*	*	*	*
THALLIUM	5E-05	*(9E-06, 1E-04)*	1E-03	*(9E-04, 2E-03)*	5E-03	*(3E-03, 6E-03)*	*	*
Hazard Index	5E-03	*(4E-03, 7E-03)*	9E-02	*(1E-02, 9E-02)*	9E-02	*(3E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(3E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(5E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(4E-04, 5E-03)*	6E-03	*
MANGANESE	3E-04	*(2E-04, 4E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 2E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (ELEMENTAL)	8E-06	*(5E-06, 2E-05)*	8E-04	*(1E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
Hazard Index	6E-04	*(4E-04, 1E-03)*	6E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(6E-04, 2E-03)*	2E-02	*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A83. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(8E-08, 7E-07)*	7E-06	*(2E-06, 1E-05)*	**1E-05**	***(6E-06, 2E-05)***	*	*
ARSENIC	8E-10	*(1E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	6E-08	*(3E-08, 9E-08)*	2E-07	*(2E-07, 2E-07)*
Additive Risk	2E-07	*(1E-07, 7E-07)*	7E-06	*(2E-06, 1E-05)*	**2E-05**	***(6E-06, 2E-05)***	**3E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 6E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	4E-08	*(2E-08, 8E-08)*	1E-07	*(5E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(9E-11, 2E-09)*	2E-09	*(1E-10, 5E-09)*	8E-09	*(2E-10, 9E-09)*
CADMIUM	6E-10	*(1E-10, 1E-09)*	4E-08	*(2E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	4E-07	*(4E-07, 4E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	1E-10	*(6E-11, 2E-10)*	4E-09	*(3E-09, 5E-09)*	8E-09	*(8E-09, 1E-08)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	6E-09	*(3E-09, 1E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(3E-06, 1E-04)*	2E-03	*(8E-04, 4E-03)*	5E-03	*(1E-03, 6E-03)*	*	*
ARSENIC	1E-05	*(3E-06, 5E-05)*	4E-04	*(2E-04, 7E-04)*	9E-04	*(7E-04, 2E-03)*	3E-03	*(3E-03, 3E-03)*
BARIUM	6E-07	*(2E-07, 1E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	7E-05	*(6E-05, 7E-05)*
BERYLLIUM	3E-08	*(2E-08, 7E-08)*	8E-07	*(4E-07, 2E-06)*	2E-06	*(5E-07, 9E-06)*	2E-05	*(1E-06, 3E-05)*
CADMIUM	6E-05	*(1E-05, 1E-04)*	3E-03	*(2E-03, 5E-03)*	9E-03	*(8E-03, 1E-02)*	5E-02	*(4E-02, 5E-02)*
CHROMIUM (III)	7E-08	*(4E-08, 9E-08)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*
CHROMIUM (VI)	1E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	3E-05	*(3E-05, 3E-05)*
COBALT	7E-07	*(4E-07, 9E-07)*	6E-06	*(6E-06, 7E-06)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	6E-07	*(3E-07, 9E-07)*	5E-06	*(4E-06, 5E-06)*	7E-06	*(6E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
MERCURY (DIVALENT)	7E-04	*(4E-04, 1E-03)*	2E-02	*(5E-03, 5E-02)*	5E-02	*(9E-03, 8E-02)*	1E-01	*(6E-02, 1E-01)*
MERCURY (METHYL)	2E-03	*(2E-03, 6E-03)*	4E-02	*(3E-02, 5E-02)*	5E-02	*(4E-02, 7E-02)*	9E-02	*
NICKEL	1E-06	*(6E-07, 2E-06)*	5E-05	*(2E-05, 7E-05)*	1E-04	*(9E-05, 2E-04)*	*	*
SELENIUM	5E-05	*(2E-05, 8E-05)*	9E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	7E-03	*(6E-03, 7E-03)*
SILVER	1E-05	*(7E-06, 2E-05)*	3E-04	*(1E-04, 3E-04)*	4E-04	*(4E-04, 6E-04)*	1E-03	*(9E-04, 1E-03)*
THALLIUM	1E-04	*(4E-05, 4E-04)*	1E-02	*(7E-03, 1E-02)*	3E-02	*(2E-02, 4E-02)*	2E-01	*(1E-01, 2E-01)*
Hazard Index	1E-02	*(6E-03, 4E-02)*	9E-02	*(5E-02, 1E-01)*	1E-01	*(9E-02, 2E-01)*	3E-01	*(2E-01, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(3E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 9E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(4E-04, 4E-03)*	6E-03	*(2E-03, 7E-03)*
MANGANESE	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (ELEMENTAL)	9E-06	*(5E-06, 2E-05)*	8E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
Hazard Index	6E-04	*(4E-04, 1E-03)*	6E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-03	*(3E-03, 2E-02)*	2E-01	*(7E-02, 5E-01)*	5E-01	*(2E-01, 6E-01)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A84. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 5E-08)*	5E-07	*(2E-07, 2E-06)*	3E-06	*	*	*
ARSENIC	3E-10	*(4E-11, 1E-09)*	8E-09	*(4E-09, 2E-08)*	2E-08	*(7E-09, 3E-08)*	*	*
Additive Risk	4E-08	*(2E-08, 6E-08)*	5E-07	*(2E-07, 2E-06)*	3E-06	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(9E-11, 6E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(5E-09, 1E-08)*	2E-08	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	4E-08	*(2E-08, 8E-08)*	1E-07	*(3E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(9E-11, 2E-09)*	2E-09	*(1E-10, 5E-09)*	8E-09	*
CADMIUM	6E-10	*(1E-10, 1E-09)*	4E-08	*(2E-08, 6E-08)*	1E-07	*(8E-08, 2E-07)*	4E-07	*(4E-07, 4E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	1E-10	*(6E-11, 2E-10)*	4E-09	*(2E-09, 5E-09)*	8E-09	*(8E-09, 1E-08)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	7E-09	*(4E-09, 1E-08)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(3E-07, 6E-06)*	*	*	*	*	*	*
ARSENIC	6E-06	*(7E-07, 2E-05)*	1E-04	*(8E-05, 4E-04)*	4E-04	*(9E-05, 5E-04)*	8E-04	*
BARIUM	7E-08	*(2E-08, 1E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(2E-06, 2E-06)*	4E-06	*(4E-06, 5E-06)*
BERYLLIUM	7E-08	*(3E-08, 9E-08)*	5E-07	*(2E-07, 1E-05)*	1E-05	*(3E-07, 3E-05)*	4E-05	*
CADMIUM	4E-05	*(3E-06, 1E-04)*	4E-03	*(1E-03, 4E-03)*	5E-03	*(5E-03, 6E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 5E-09)*	4E-08	*(3E-08, 6E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(7E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 9E-08)*	9E-08	*
COBALT	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*
MANGANESE	2E-08	*(1E-08, 7E-08)*	3E-07	*(1E-07, 8E-07)*	7E-07	*	*	*
MERCURY (DIVALENT)	9E-06	*(4E-06, 2E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
MERCURY (METHYL)	2E-03	*(9E-04, 3E-03)*	6E-02	*(7E-03, 9E-02)*	9E-02	*	*	*
NICKEL	6E-08	*(3E-08, 4E-07)*	9E-07	*(8E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 2E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	6E-09	*(3E-09, 9E-09)*	8E-07	*	*	*	*	*
THALLIUM	4E-05	*(9E-06, 1E-04)*	1E-03	*(8E-04, 2E-03)*	4E-03	*(2E-03, 5E-03)*	*	*
Hazard Index	4E-03	*(3E-03, 6E-03)*	9E-02	*(1E-02, 9E-02)*	9E-02	*(3E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(3E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(5E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(4E-04, 5E-03)*	6E-03	*
MANGANESE	3E-04	*(2E-04, 4E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 2E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (ELEMENTAL)	8E-06	*(5E-06, 2E-05)*	8E-04	*(1E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
Hazard Index	6E-04	*(4E-04, 1E-03)*	6E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(5E-04, 1E-03)*	2E-02	*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A85. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(4E-08, 3E-07)*	3E-06	*(9E-07, 7E-06)*	8E-06	*(3E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*
ARSENIC	4E-10	*(9E-11, 1E-09)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(1E-08, 5E-08)*	1E-07	*(9E-08, 1E-07)*
Additive Risk	1E-07	*(5E-08, 3E-07)*	3E-06	*(1E-06, 7E-06)*	8E-06	*(3E-06, 9E-06)*	**1E-05**	***(9E-06, 1E-05)***
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(5E-11, 4E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(8E-09, 1E-08)*
ARSENIC	5E-10	*(2E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(3E-08, 8E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(7E-12, 2E-11)*	1E-10	*(6E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	5E-09	*(1E-10, 6E-09)*
CADMIUM	4E-10	*(8E-11, 8E-10)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 8E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	1E-09	*(1E-09, 1E-09)*	3E-09	*(2E-09, 3E-09)*	8E-09	*(8E-09, 9E-09)*
NICKEL	6E-11	*(4E-11, 1E-10)*	3E-09	*(2E-09, 3E-09)*	5E-09	*(5E-09, 6E-09)*	1E-08	*(1E-08, 1E-08)*
Additive Risk	4E-09	*(2E-09, 7E-09)*	8E-08	*(5E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*	3E-07	*(3E-07, 3E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(1E-06, 8E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(9E-04, 3E-03)*	*	*
ARSENIC	8E-06	*(1E-06, 3E-05)*	2E-04	*(1E-04, 3E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*(2E-03, 2E-03)*
BARIUM	3E-07	*(9E-08, 6E-07)*	9E-06	*(5E-06, 1E-05)*	1E-05	*(1E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	4E-07	*(1E-07, 9E-07)*	9E-07	*(3E-07, 5E-06)*	*	*
CADMIUM	3E-05	*(9E-06, 9E-05)*	2E-03	*(9E-04, 3E-03)*	5E-03	*(5E-03, 6E-03)*	*	*
CHROMIUM (III)	3E-08	*(2E-08, 5E-08)*	5E-07	*(4E-07, 7E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	9E-08	*(7E-08, 1E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	9E-06	*(8E-06, 1E-05)*
COBALT	3E-07	*(2E-07, 5E-07)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
MANGANESE	3E-07	*(1E-07, 5E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	8E-06	*(7E-06, 8E-06)*
MERCURY (DIVALENT)	3E-04	*(2E-04, 8E-04)*	8E-03	*(2E-03, 2E-02)*	2E-02	*(5E-03, 3E-02)*	5E-02	*(3E-02, 6E-02)*
MERCURY (METHYL)	1E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 5E-02)*
NICKEL	7E-07	*(3E-07, 9E-07)*	2E-05	*(1E-05, 3E-05)*	6E-05	*(4E-05, 8E-05)*	*	*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	8E-04	*(6E-04, 1E-03)*	4E-03	*(3E-03, 4E-03)*
SILVER	7E-06	*(3E-06, 1E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(4E-04, 5E-04)*
THALLIUM	7E-05	*(2E-05, 2E-04)*	5E-03	*(2E-03, 8E-03)*	1E-02	*(9E-03, 2E-02)*	8E-02	*(7E-02, 8E-02)*
Hazard Index	5E-03	*(3E-03, 2E-02)*	4E-02	*(3E-02, 6E-02)*	9E-02	*(4E-02, 9E-02)*	1E-01	*(1E-01, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(3E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 9E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(4E-04, 4E-03)*	6E-03	*(2E-03, 7E-03)*
MANGANESE	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (ELEMENTAL)	9E-06	*(5E-06, 2E-05)*	8E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
Hazard Index	6E-04	*(4E-04, 1E-03)*	6E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(9E-04, 9E-03)*	9E-02	*(2E-02, 1E-01)*	2E-01	*(8E-02, 2E-01)*	*	*
TCDD-TEQ	2E-03	*(1E-03, 1E-02)*	1E-01	*(4E-02, 2E-01)*	3E-01	*(1E-01, 3E-01)*	5E-01	*(3E-01, 5E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A86. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(9E-09, 3E-08)*	4E-07	*(1E-07, 1E-06)*	2E-06	*	*	*
ARSENIC	2E-10	*(2E-11, 7E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	*	*
Additive Risk	3E-08	*(2E-08, 4E-08)*	4E-07	*(1E-07, 1E-06)*	2E-06	*(4E-07, 3E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(6E-11, 4E-10)*	4E-09	*(1E-09, 7E-09)*	8E-09	*(3E-09, 9E-09)*	1E-08	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(2E-08, 8E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(6E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	5E-09	*
CADMIUM	4E-10	*(8E-11, 8E-10)*	3E-08	*(2E-08, 4E-08)*	7E-08	*(5E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	6E-11	*(4E-11, 1E-10)*	3E-09	*(1E-09, 3E-09)*	5E-09	*(5E-09, 7E-09)*	1E-08	*(1E-08, 1E-08)*
Additive Risk	5E-09	*(2E-09, 8E-09)*	8E-08	*(5E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*	3E-07	*(3E-07, 3E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(1E-07, 3E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(4E-07, 1E-05)*	9E-05	*(5E-05, 2E-04)*	2E-04	*(8E-05, 3E-04)*	*	*
BARIUM	3E-08	*(9E-09, 9E-08)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
BERYLLIUM	4E-08	*(2E-08, 6E-08)*	3E-07	*(1E-07, 9E-06)*	9E-06	*(2E-07, 2E-05)*	3E-05	*
CADMIUM	3E-05	*(2E-06, 9E-05)*	3E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 3E-09)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 8E-08)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	2E-08	*	*	*	*	*
COBALT	4E-09	*(3E-09, 1E-08)*	8E-08	*	*	*	*	*
MANGANESE	1E-08	*(9E-09, 4E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	5E-06	*(2E-06, 9E-06)*	7E-05	*(2E-05, 1E-04)*	1E-04	*(5E-05, 1E-04)*	*	*
MERCURY (METHYL)	1E-03	*(8E-04, 2E-03)*	4E-02	*(6E-03, 6E-02)*	6E-02	*	*	*
NICKEL	4E-08	*(2E-08, 3E-07)*	6E-07	*(5E-07, 6E-07)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	2E-09	*(1E-09, 1E-08)*	5E-07	*	*	*	*	*
THALLIUM	2E-05	*(5E-06, 9E-05)*	8E-04	*(6E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	6E-02	*(1E-02, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(3E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(5E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(4E-04, 5E-03)*	6E-03	*
MANGANESE	3E-04	*(2E-04, 4E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 2E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (ELEMENTAL)	8E-06	*(5E-06, 2E-05)*	8E-04	*(1E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
Hazard Index	6E-04	*(4E-04, 1E-03)*	6E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(3E-04, 9E-04)*	1E-02	*(3E-03, 4E-02)*	5E-02	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	1E-02	*(5E-03, 7E-02)*	7E-02	*(1E-02, 1E-01)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A87. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-08	*(5E-08, 4E-07)*	4E-06	*(1E-06, 8E-06)*	9E-06	*(3E-06, 1E-05)*	*	*
ARSENIC	8E-10	*(1E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(3E-08, 9E-08)*	2E-07	*(2E-07, 2E-07)*
Additive Risk	1E-07	*(6E-08, 4E-07)*	4E-06	*(1E-06, 8E-06)*	9E-06	*(3E-06, 1E-05)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 5E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	4E-08	*(2E-08, 7E-08)*	1E-07	*(4E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 2E-09)*	2E-09	*(1E-10, 4E-09)*	7E-09	*(2E-10, 9E-09)*
CADMIUM	6E-10	*(1E-10, 1E-09)*	4E-08	*(2E-08, 4E-08)*	9E-08	*(6E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	1E-10	*(6E-11, 1E-10)*	4E-09	*(2E-09, 5E-09)*	8E-09	*(7E-09, 9E-09)*	2E-08	*(2E-08, 2E-08)*
Additive Risk	6E-09	*(3E-09, 1E-08)*	1E-07	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*	4E-07	*(4E-07, 4E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-06	*(1E-06, 6E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
ARSENIC	8E-06	*(1E-06, 3E-05)*	2E-04	*(1E-04, 3E-04)*	6E-04	*(3E-04, 8E-04)*	2E-03	*(2E-03, 2E-03)*
BARIUM	1E-07	*(4E-08, 3E-07)*	4E-06	*(2E-06, 6E-06)*	8E-06	*(6E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-08	*(7E-09, 3E-08)*	3E-07	*(1E-07, 9E-07)*	9E-07	*(2E-07, 4E-06)*	*	*
CADMIUM	4E-05	*(9E-06, 9E-05)*	2E-03	*(1E-03, 3E-03)*	6E-03	*(5E-03, 7E-03)*	3E-02	*(3E-02, 3E-02)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	3E-07	*(2E-07, 4E-07)*	9E-07	*(5E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*
CHROMIUM (VI)	6E-08	*(4E-08, 7E-08)*	7E-07	*(3E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	7E-06	*(6E-06, 8E-06)*
COBALT	2E-07	*(1E-07, 3E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	7E-06	*(6E-06, 7E-06)*
MANGANESE	2E-07	*(9E-08, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	5E-06	*(5E-06, 5E-06)*
MERCURY (DIVALENT)	2E-04	*(1E-04, 5E-04)*	6E-03	*(1E-03, 1E-02)*	1E-02	*(3E-03, 2E-02)*	4E-02	*(2E-02, 4E-02)*
MERCURY (METHYL)	1E-03	*(1E-03, 2E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 2E-02)*	3E-02	*
NICKEL	5E-07	*(2E-07, 8E-07)*	1E-05	*(7E-06, 2E-05)*	5E-05	*(2E-05, 7E-05)*	*	*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	9E-04	*(6E-04, 1E-03)*	4E-03	*(4E-03, 4E-03)*
SILVER	3E-06	*(1E-06, 5E-06)*	6E-05	*(3E-05, 7E-05)*	9E-05	*(8E-05, 1E-04)*	2E-04	*(2E-04, 2E-04)*
THALLIUM	7E-05	*(1E-05, 2E-04)*	5E-03	*(2E-03, 7E-03)*	1E-02	*(9E-03, 2E-02)*	7E-02	*(6E-02, 7E-02)*
Hazard Index	4E-03	*(3E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*	6E-02	*(4E-02, 7E-02)*	9E-02	*(8E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(3E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	2E-04	*(2E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 9E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(4E-04, 4E-03)*	6E-03	*(2E-03, 7E-03)*
MANGANESE	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (ELEMENTAL)	9E-06	*(5E-06, 2E-05)*	8E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
Hazard Index	6E-04	*(4E-04, 1E-03)*	6E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(9E-04, 7E-03)*	7E-02	*(2E-02, 1E-01)*	1E-01	*(6E-02, 2E-01)*	*	*
TCDD-TEQ	1E-03	*(1E-03, 7E-03)*	7E-02	*(2E-02, 1E-01)*	2E-01	*(6E-02, 2E-01)*	3E-01	*(2E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A88. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 6E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*	*	*
ARSENIC	4E-10	*(4E-11, 1E-09)*	1E-08	*(5E-09, 3E-08)*	3E-08	*(1E-08, 4E-08)*	*	*
Additive Risk	6E-08	*(3E-08, 7E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(6E-11, 4E-10)*	4E-09	*(1E-09, 7E-09)*	8E-09	*(3E-09, 8E-09)*	1E-08	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(2E-08, 8E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(6E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	5E-09	*
CADMIUM	4E-10	*(8E-11, 8E-10)*	3E-08	*(2E-08, 4E-08)*	7E-08	*(5E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 3E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(5E-09, 6E-09)*	1E-08	*(1E-08, 1E-08)*
Additive Risk	5E-09	*(2E-09, 8E-09)*	8E-08	*(5E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*	3E-07	*(3E-07, 3E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(1E-07, 4E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(4E-07, 1E-05)*	9E-05	*(5E-05, 2E-04)*	2E-04	*(8E-05, 3E-04)*	*	*
BARIUM	1E-08	*(6E-09, 7E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*
BERYLLIUM	3E-08	*(1E-08, 5E-08)*	2E-07	*(1E-07, 6E-06)*	5E-06	*(1E-07, 9E-06)*	*	*
CADMIUM	3E-05	*(2E-06, 9E-05)*	3E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*	*	*
CHROMIUM (III)	7E-10	*(5E-10, 1E-09)*	9E-09	*(8E-09, 1E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(4E-08, 5E-08)*
CHROMIUM (VI)	8E-09	*(4E-09, 9E-09)*	2E-08	*	*	*	*	*
COBALT	4E-09	*(3E-09, 6E-09)*	8E-08	*	*	*	*	*
MANGANESE	1E-08	*(9E-09, 2E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-06	*(9E-07, 4E-06)*	3E-05	*(9E-06, 5E-05)*	6E-05	*(2E-05, 7E-05)*	*	*
MERCURY (METHYL)	1E-03	*(8E-04, 2E-03)*	4E-02	*(6E-03, 6E-02)*	6E-02	*	*	*
NICKEL	5E-08	*(2E-08, 2E-07)*	6E-07	*(5E-07, 6E-07)*	7E-07	*(6E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	3E-09	*(7E-10, 6E-09)*	6E-07	*	*	*	*	*
THALLIUM	1E-05	*(3E-06, 9E-05)*	8E-04	*(6E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	6E-02	*(1E-02, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(2E-06, 1E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 3E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(1E-05, 5E-05)*	6E-04	*(2E-04, 1E-03)*	2E-03	*(3E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(3E-06, 1E-05)*	5E-04	*(1E-04, 1E-03)*	1E-03	*(3E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
Hazard Index	4E-04	*(3E-04, 7E-04)*	4E-03	*(2E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-04	*(4E-04, 9E-04)*	9E-03	*(4E-03, 4E-02)*	6E-02	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	1E-02	*(5E-03, 7E-02)*	7E-02	*(1E-02, 9E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A89. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(5E-08, 1E-07)*	1E-06	*(5E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	4E-06	*(2E-06, 5E-06)*
ARSENIC	2E-09	*(7E-10, 1E-08)*	2E-07	*(9E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*(4E-07, 1E-06)*
Additive Risk	1E-07	*(9E-08, 2E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(4E-11, 1E-10)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	2E-09	*
ARSENIC	2E-09	*(9E-10, 1E-08)*	2E-07	*(3E-08, 8E-07)*	8E-07	*(8E-08, 1E-06)*	2E-06	*
BERYLLIUM	7E-11	*(3E-11, 3E-10)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 6E-09)*	9E-09	*
CADMIUM	3E-09	*(2E-09, 7E-09)*	7E-08	*(2E-08, 3E-07)*	3E-07	*(4E-08, 9E-07)*	2E-06	*
CHROMIUM (VI)	8E-09	*(5E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(9E-08, 6E-07)*	8E-07	*
NICKEL	4E-10	*(3E-10, 6E-10)*	4E-09	*(2E-09, 6E-09)*	6E-09	*(4E-09, 1E-08)*	1E-08	*
Additive Risk	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 9E-07)*	9E-07	*(3E-07, 3E-06)*	4E-06	*
Non-Cancer - Ingestion								
ANTIMONY	2E-04	*(4E-05, 9E-04)*	2E-02	*(2E-03, 5E-02)*	4E-02	*(9E-03, 8E-02)*	9E-02	*
ARSENIC	4E-05	*(2E-05, 3E-04)*	5E-03	*(2E-03, 8E-03)*	8E-03	*(3E-03, 2E-02)*	3E-02	*(9E-03, 3E-02)*
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	9E-05	*(1E-05, 2E-04)*	5E-04	*(9E-05, 6E-04)*
BERYLLIUM	9E-07	*(1E-07, 2E-06)*	4E-05	*(9E-06, 5E-05)*	6E-05	*(2E-05, 7E-05)*	*	*
CADMIUM	9E-04	*(3E-04, 2E-03)*	2E-02	*(9E-03, 4E-02)*	5E-02	*(2E-02, 8E-02)*	*	*
CHROMIUM (III)	5E-07	*(3E-07, 9E-07)*	9E-06	*(5E-06, 1E-05)*	2E-05	*(9E-06, 2E-05)*	7E-05	*(2E-05, 8E-05)*
CHROMIUM (VI)	3E-05	*(1E-05, 5E-05)*	4E-04	*(1E-04, 7E-04)*	9E-04	*(3E-04, 1E-03)*	*	*
COBALT	1E-06	*(7E-07, 1E-06)*	9E-06	*(7E-06, 1E-05)*	1E-05	*(9E-06, 1E-05)*	*	*
MANGANESE	1E-06	*(6E-07, 2E-06)*	7E-06	*(5E-06, 9E-06)*	1E-05	*(8E-06, 1E-05)*	2E-05	*
MERCURY (DIVALENT)	1E-03	*(8E-04, 2E-03)*	1E-02	*(4E-03, 2E-02)*	3E-02	*(9E-03, 5E-02)*	9E-02	*
MERCURY (METHYL)	2E-03	*(1E-03, 3E-03)*	3E-02	*	*	*	*	*
NICKEL	9E-06	*(6E-06, 2E-05)*	1E-04	*(6E-05, 3E-04)*	3E-04	*(1E-04, 5E-04)*	7E-04	*
SELENIUM	4E-05	*(2E-05, 8E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(6E-04, 4E-03)*	7E-03	*
SILVER	2E-05	*(1E-05, 3E-05)*	4E-04	*(1E-04, 2E-02)*	1E-02	*(3E-04, 6E-02)*	9E-02	*(5E-04, 1E-01)*
THALLIUM	4E-05	*(2E-05, 1E-04)*	2E-03	*(8E-04, 1E-02)*	9E-03	*(1E-03, 3E-02)*	7E-02	*(3E-03, 8E-02)*
Hazard Index	1E-02	*(9E-03, 2E-02)*	2E-01	*(7E-02, 4E-01)*	4E-01	*(1E-01, 5E-01)*	7E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(5E-06, 2E-05)*	2E-04	*(5E-05, 3E-04)*	4E-04	*(9E-05, 6E-04)*	1E-03	*
CHLORINE (CL2)	2E-03	*(9E-04, 3E-03)*	2E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	3E-05	*(1E-05, 4E-05)*	2E-04	*(9E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 8E-03)*	6E-02	*(2E-02, 9E-02)*	9E-02	*(5E-02, 1E-01)*	2E-01	*(1E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A90. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
ARSENIC	6E-10	*(2E-10, 3E-09)*	1E-07	*(4E-08, 2E-07)*	2E-07	*	*	*
Additive Risk	7E-08	*(1E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
ARSENIC	3E-09	*(1E-09, 1E-08)*	2E-07	*(4E-08, 8E-07)*	8E-07	*(1E-07, 2E-06)*	2E-06	*
BERYLLIUM	5E-11	*(2E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 7E-09)*	1E-08	*
CADMIUM	4E-09	*(2E-09, 9E-09)*	1E-07	*(2E-08, 3E-07)*	3E-07	*(4E-08, 1E-06)*	2E-06	*
CHROMIUM (VI)	9E-09	*(5E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*
NICKEL	3E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 6E-09)*	6E-09	*(4E-09, 1E-08)*	1E-08	*
Additive Risk	4E-08	*(2E-08, 6E-08)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(3E-07, 3E-06)*	5E-06	*
Non-Cancer - Ingestion								
ANTIMONY	8E-06	*(1E-06, 1E-04)*	1E-02	*	*	*	*	*
ARSENIC	1E-05	*(6E-06, 7E-05)*	3E-03	*(9E-04, 6E-03)*	6E-03	*	*	*
BARIUM	3E-07	*(2E-07, 4E-07)*	3E-06	*(1E-06, 9E-06)*	1E-05	*(2E-06, 3E-05)*	7E-05	*
BERYLLIUM	8E-07	*(1E-07, 2E-06)*	3E-05	*(9E-06, 6E-05)*	6E-05	*(2E-05, 7E-05)*	9E-05	*
CADMIUM	3E-04	*(8E-05, 2E-03)*	2E-02	*(6E-03, 4E-02)*	4E-02	*(9E-03, 7E-02)*	8E-02	*(4E-02, 8E-02)*
CHROMIUM (III)	5E-08	*(3E-08, 8E-08)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(8E-07, 2E-06)*	6E-06	*(2E-06, 8E-06)*
CHROMIUM (VI)	1E-06	*(2E-07, 3E-06)*	4E-05	*	*	*	*	*
COBALT	6E-09	*(5E-09, 9E-09)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*
MANGANESE	9E-08	*(4E-08, 1E-07)*	3E-06	*(9E-07, 3E-06)*	3E-06	*	*	*
MERCURY (DIVALENT)	5E-06	*(3E-06, 9E-06)*	1E-04	*(4E-05, 1E-03)*	9E-04	*(7E-05, 4E-03)*	6E-03	*
MERCURY (METHYL)	7E-06	*(6E-07, 9E-05)*	2E-03	*(5E-04, 5E-02)*	3E-02	*(1E-03, 3E-01)*	*	*
NICKEL	7E-07	*(1E-07, 1E-06)*	2E-05	*	*	*	*	*
SELENIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	5E-09	*(1E-09, 7E-08)*	4E-06	*	*	*	*	*
THALLIUM	8E-06	*(5E-06, 1E-05)*	3E-04	*(6E-05, 5E-03)*	2E-03	*	*	*
Hazard Index	2E-03	*(8E-04, 4E-03)*	1E-01	*(3E-02, 2E-01)*	2E-01	*(5E-02, 5E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(6E-06, 2E-05)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(7E-03, 4E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 7E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	3E-05	*(1E-05, 4E-05)*	3E-04	*(9E-05, 6E-04)*	5E-04	*(1E-04, 2E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(9E-03, 4E-02)*	4E-02	*(2E-02, 6E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 5E-03)*	3E-02	*(1E-02, 6E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A91. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(4E-08, 1E-07)*	9E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	2E-09	*(6E-10, 1E-08)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*(3E-07, 1E-06)*
Additive Risk	1E-07	*(8E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	3E-09	*
ARSENIC	3E-09	*(1E-09, 1E-08)*	2E-07	*(4E-08, 9E-07)*	9E-07	*(9E-08, 2E-06)*	2E-06	*
BERYLLIUM	8E-11	*(3E-11, 3E-10)*	3E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
CADMIUM	4E-09	*(2E-09, 8E-09)*	8E-08	*(3E-08, 4E-07)*	3E-07	*(5E-08, 1E-06)*	2E-06	*
CHROMIUM (VI)	1E-08	*(6E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	1E-06	*
NICKEL	5E-10	*(3E-10, 7E-10)*	4E-09	*(2E-09, 7E-09)*	7E-09	*(4E-09, 1E-08)*	2E-08	*
Additive Risk	3E-08	*(2E-08, 6E-08)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 3E-06)*	5E-06	*
Non-Cancer - Ingestion								
ANTIMONY	1E-04	*(2E-05, 6E-04)*	1E-02	*(1E-03, 4E-02)*	3E-02	*(7E-03, 6E-02)*	7E-02	*
ARSENIC	3E-05	*(1E-05, 2E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 9E-03)*	2E-02	*(6E-03, 2E-02)*
BARIUM	7E-07	*(4E-07, 1E-06)*	1E-05	*(4E-06, 4E-05)*	4E-05	*(9E-06, 9E-05)*	2E-04	*(5E-05, 3E-04)*
BERYLLIUM	4E-07	*(8E-08, 8E-07)*	2E-05	*(4E-06, 3E-05)*	3E-05	*(1E-05, 3E-05)*	4E-05	*
CADMIUM	6E-04	*(2E-04, 2E-03)*	1E-02	*(7E-03, 3E-02)*	3E-02	*(1E-02, 6E-02)*	1E-01	*(3E-02, 2E-01)*
CHROMIUM (III)	3E-07	*(1E-07, 4E-07)*	5E-06	*(3E-06, 9E-06)*	9E-06	*(5E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*
CHROMIUM (VI)	1E-05	*(7E-06, 3E-05)*	2E-04	*(8E-05, 3E-04)*	5E-04	*(2E-04, 7E-04)*	*	*
COBALT	7E-07	*(4E-07, 9E-07)*	5E-06	*(4E-06, 7E-06)*	8E-06	*(6E-06, 9E-06)*	*	*
MANGANESE	7E-07	*(3E-07, 1E-06)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(4E-06, 7E-06)*	*	*
MERCURY (DIVALENT)	7E-04	*(4E-04, 1E-03)*	8E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 3E-02)*	6E-02	*
MERCURY (METHYL)	1E-03	*(9E-04, 2E-03)*	2E-02	*	*	*	*	*
NICKEL	6E-06	*(3E-06, 1E-05)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(2E-04, 6E-04)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(4E-04, 3E-03)*	5E-03	*(1E-03, 6E-03)*
SILVER	9E-06	*(7E-06, 1E-05)*	2E-04	*(8E-05, 9E-03)*	6E-03	*(1E-04, 3E-02)*	6E-02	*
THALLIUM	3E-05	*(1E-05, 8E-05)*	1E-03	*(5E-04, 8E-03)*	7E-03	*(8E-04, 2E-02)*	5E-02	*(2E-03, 5E-02)*
Hazard Index	9E-03	*(5E-03, 1E-02)*	1E-01	*(4E-02, 3E-01)*	3E-01	*(9E-02, 4E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(5E-06, 2E-05)*	2E-04	*(5E-05, 3E-04)*	4E-04	*(9E-05, 6E-04)*	1E-03	*
CHLORINE (CL2)	2E-03	*(9E-04, 3E-03)*	2E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	3E-05	*(1E-05, 4E-05)*	2E-04	*(9E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 4E-03)*	3E-02	*(1E-02, 5E-02)*	6E-02	*(3E-02, 8E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A92. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(7E-09, 1E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	*	*
ARSENIC	4E-10	*(2E-10, 2E-09)*	9E-08	*	*	*	*	*
Additive Risk	8E-08	*(1E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(2E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
ARSENIC	3E-09	*(1E-09, 1E-08)*	2E-07	*(4E-08, 9E-07)*	9E-07	*(1E-07, 2E-06)*	2E-06	*
BERYLLIUM	6E-11	*(2E-11, 2E-10)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 8E-09)*	1E-08	*
CADMIUM	4E-09	*(2E-09, 1E-08)*	1E-07	*(3E-08, 4E-07)*	4E-07	*(5E-08, 1E-06)*	2E-06	*
CHROMIUM (VI)	1E-08	*(6E-09, 2E-08)*	2E-07	*(6E-08, 4E-07)*	4E-07	*(1E-07, 7E-07)*	1E-06	*
NICKEL	4E-10	*(3E-10, 7E-10)*	4E-09	*(2E-09, 7E-09)*	7E-09	*(4E-09, 1E-08)*	2E-08	*
Additive Risk	4E-08	*(2E-08, 7E-08)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 4E-06)*	5E-06	*
Non-Cancer - Ingestion								
ANTIMONY	3E-06	*(4E-07, 4E-05)*	8E-03	*	*	*	*	*
ARSENIC	8E-06	*(4E-06, 3E-05)*	2E-03	*(4E-04, 3E-03)*	3E-03	*	*	*
BARIUM	1E-07	*(7E-08, 1E-07)*	9E-07	*(4E-07, 2E-06)*	3E-06	*(7E-07, 7E-06)*	2E-05	*
BERYLLIUM	3E-07	*(6E-08, 9E-07)*	1E-05	*(4E-06, 3E-05)*	3E-05	*(8E-06, 4E-05)*	5E-05	*
CADMIUM	3E-04	*(7E-05, 1E-03)*	1E-02	*(5E-03, 4E-02)*	4E-02	*(8E-03, 6E-02)*	*	*
CHROMIUM (III)	1E-08	*(8E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	4E-07	*(2E-07, 7E-07)*	1E-06	*(5E-07, 2E-06)*
CHROMIUM (VI)	6E-07	*(7E-08, 1E-06)*	3E-05	*	*	*	*	*
COBALT	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
MANGANESE	3E-08	*(1E-08, 5E-08)*	1E-06	*(3E-07, 2E-06)*	2E-06	*	*	*
MERCURY (DIVALENT)	1E-06	*(8E-07, 2E-06)*	3E-05	*(9E-06, 3E-04)*	2E-04	*(1E-05, 9E-04)*	*	*
MERCURY (METHYL)	2E-06	*(1E-07, 9E-05)*	2E-03	*(5E-04, 5E-02)*	3E-02	*(1E-03, 3E-01)*	*	*
NICKEL	4E-07	*(6E-08, 7E-07)*	1E-05	*	*	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	2E-09	*(6E-10, 4E-08)*	2E-06	*	*	*	*	*
THALLIUM	6E-06	*(4E-06, 1E-05)*	3E-04	*(5E-05, 3E-03)*	3E-03	*(2E-04, 7E-03)*	*	*
Hazard Index	2E-03	*(6E-04, 3E-03)*	7E-02	*(2E-02, 1E-01)*	1E-01	*(4E-02, 5E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(6E-06, 2E-05)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(7E-03, 4E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 7E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	3E-05	*(1E-05, 4E-05)*	3E-04	*(9E-05, 6E-04)*	5E-04	*(1E-04, 2E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(9E-03, 4E-02)*	4E-02	*(2E-02, 6E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 5E-03)*	3E-02	*(1E-02, 5E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A93. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(2E-08, 6E-08)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	9E-10	*(4E-10, 6E-09)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(6E-08, 3E-07)*	6E-07	*(2E-07, 7E-07)*
Additive Risk	6E-08	*(4E-08, 9E-08)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 9E-11)*	5E-10	*(2E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	2E-09	*(6E-10, 8E-09)*	1E-07	*(2E-08, 6E-07)*	6E-07	*(6E-08, 1E-06)*	1E-06	*
BERYLLIUM	5E-11	*(2E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	3E-09	*(1E-09, 5E-09)*	7E-09	*
CADMIUM	3E-09	*(1E-09, 5E-09)*	5E-08	*(2E-08, 2E-07)*	2E-07	*(3E-08, 7E-07)*	1E-06	*
CHROMIUM (VI)	6E-09	*(4E-09, 1E-08)*	9E-08	*(3E-08, 2E-07)*	2E-07	*(7E-08, 4E-07)*	6E-07	*
NICKEL	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 4E-09)*	5E-09	*(3E-09, 7E-09)*	1E-08	*
Additive Risk	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 7E-07)*	7E-07	*(2E-07, 2E-06)*	3E-06	*
Non-Cancer - Ingestion								
ANTIMONY	8E-05	*(1E-05, 3E-04)*	7E-03	*(8E-04, 2E-02)*	2E-02	*(4E-03, 3E-02)*	4E-02	*(7E-03, 5E-02)*
ARSENIC	2E-05	*(7E-06, 9E-05)*	1E-03	*(9E-04, 3E-03)*	3E-03	*(1E-03, 6E-03)*	*	*
BARIUM	3E-07	*(2E-07, 5E-07)*	5E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 5E-05)*	1E-04	*(2E-05, 1E-04)*
BERYLLIUM	2E-07	*(3E-08, 5E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	2E-05	*
CADMIUM	3E-04	*(1E-04, 9E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	*	*
CHROMIUM (III)	1E-07	*(7E-08, 2E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 6E-06)*	1E-05	*(5E-06, 2E-05)*
CHROMIUM (VI)	7E-06	*(3E-06, 1E-05)*	9E-05	*(4E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	7E-04	*(3E-04, 8E-04)*
COBALT	3E-07	*(2E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(6E-06, 8E-06)*
MANGANESE	3E-07	*(2E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*
MERCURY (DIVALENT)	3E-04	*(2E-04, 5E-04)*	4E-03	*(1E-03, 8E-03)*	9E-03	*(3E-03, 1E-02)*	3E-02	*(8E-03, 4E-02)*
MERCURY (METHYL)	7E-04	*(5E-04, 1E-03)*	9E-03	*	*	*	*	*
NICKEL	3E-06	*(1E-06, 7E-06)*	6E-05	*(1E-05, 9E-05)*	9E-05	*(3E-05, 1E-04)*	2E-04	*
SELENIUM	1E-05	*(9E-06, 3E-05)*	3E-04	*(1E-04, 7E-04)*	7E-04	*(2E-04, 1E-03)*	3E-03	*(6E-04, 3E-03)*
SILVER	5E-06	*(3E-06, 8E-06)*	9E-05	*(3E-05, 4E-03)*	3E-03	*(7E-05, 1E-02)*	3E-02	*
THALLIUM	1E-05	*(7E-06, 4E-05)*	8E-04	*(2E-04, 4E-03)*	3E-03	*(4E-04, 9E-03)*	2E-02	*
Hazard Index	4E-03	*(3E-03, 9E-03)*	6E-02	*(2E-02, 2E-01)*	2E-01	*(5E-02, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(5E-06, 2E-05)*	2E-04	*(5E-05, 3E-04)*	4E-04	*(9E-05, 6E-04)*	1E-03	*
CHLORINE (CL2)	2E-03	*(9E-04, 3E-03)*	2E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	3E-05	*(1E-05, 4E-05)*	2E-04	*(9E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(5E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(3E-02, 6E-02)*
TCDD-TEQ	1E-03	*(7E-04, 2E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A94. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
ARSENIC	3E-10	*(1E-10, 1E-09)*	6E-08	*(1E-08, 9E-08)*	9E-08	*(5E-08, 9E-08)*	1E-07	*
Additive Risk	6E-08	*(8E-09, 1E-07)*	8E-07	*(5E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 9E-11)*	5E-10	*(3E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	2E-09	*(8E-10, 9E-09)*	2E-07	*(3E-08, 6E-07)*	6E-07	*(8E-08, 1E-06)*	2E-06	*
BERYLLIUM	4E-11	*(1E-11, 1E-10)*	1E-09	*(7E-10, 3E-09)*	3E-09	*(1E-09, 5E-09)*	7E-09	*
CADMIUM	3E-09	*(2E-09, 7E-09)*	9E-08	*(2E-08, 2E-07)*	2E-07	*(3E-08, 8E-07)*	1E-06	*
CHROMIUM (VI)	7E-09	*(4E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(8E-08, 5E-07)*	7E-07	*
NICKEL	3E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(3E-09, 8E-09)*	1E-08	*
Additive Risk	3E-08	*(1E-08, 4E-08)*	4E-07	*(1E-07, 9E-07)*	9E-07	*(2E-07, 2E-06)*	3E-06	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(2E-07, 3E-05)*	6E-03	*	*	*	*	*
ARSENIC	5E-06	*(2E-06, 2E-05)*	1E-03	*(2E-04, 2E-03)*	2E-03	*	*	*
BARIUM	7E-08	*(4E-08, 9E-08)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 4E-06)*	9E-06	*
BERYLLIUM	2E-07	*(3E-08, 6E-07)*	8E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	3E-05	*
CADMIUM	2E-04	*(5E-05, 9E-04)*	9E-03	*(4E-03, 3E-02)*	3E-02	*(6E-03, 4E-02)*	*	*
CHROMIUM (III)	8E-09	*(4E-09, 1E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	3E-07	*(4E-08, 9E-07)*	2E-05	*	*	*	*	*
COBALT	5E-09	*(2E-09, 1E-08)*	4E-07	*(6E-08, 5E-07)*	5E-07	*(2E-07, 6E-07)*	6E-07	*
MANGANESE	1E-08	*(6E-09, 3E-08)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	7E-07	*(4E-07, 1E-06)*	1E-05	*(5E-06, 2E-04)*	1E-04	*(9E-06, 5E-04)*	*	*
MERCURY (METHYL)	9E-07	*(9E-08, 6E-05)*	1E-03	*(4E-04, 4E-02)*	2E-02	*(9E-04, 3E-01)*	*	*
NICKEL	2E-07	*(3E-08, 4E-07)*	8E-06	*(1E-06, 3E-05)*	2E-05	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	1E-09	*(3E-10, 2E-08)*	1E-06	*	*	*	*	*
THALLIUM	4E-06	*(3E-06, 8E-06)*	2E-04	*(3E-05, 1E-03)*	8E-04	*	*	*
Hazard Index	1E-03	*(4E-04, 2E-03)*	5E-02	*(1E-02, 1E-01)*	9E-02	*(3E-02, 4E-01)*	1	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(6E-06, 2E-05)*	2E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 6E-04)*	1E-03	*
CHLORINE (CL2)	1E-03	*(9E-04, 2E-03)*	2E-02	*(7E-03, 4E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 7E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	3E-05	*(1E-05, 4E-05)*	3E-04	*(9E-05, 6E-04)*	5E-04	*(1E-04, 2E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(9E-03, 4E-02)*	4E-02	*(2E-02, 6E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(1E-04, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 6E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A95. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 8E-08)*	6E-07	*(2E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
ARSENIC	2E-09	*(8E-10, 9E-09)*	2E-07	*(9E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*(4E-07, 1E-06)*
Additive Risk	8E-08	*(4E-08, 1E-07)*	8E-07	*(5E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	3E-09	*
ARSENIC	3E-09	*(9E-10, 1E-08)*	2E-07	*(3E-08, 8E-07)*	9E-07	*(9E-08, 2E-06)*	2E-06	*
BERYLLIUM	7E-11	*(3E-11, 3E-10)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
CADMIUM	4E-09	*(2E-09, 8E-09)*	8E-08	*(3E-08, 3E-07)*	3E-07	*(5E-08, 1E-06)*	2E-06	*
CHROMIUM (VI)	9E-09	*(6E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 6E-07)*	9E-07	*
NICKEL	4E-10	*(3E-10, 7E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*
Additive Risk	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 1E-06)*	1E-06	*(3E-07, 3E-06)*	5E-06	*
Non-Cancer - Ingestion								
ANTIMONY	6E-05	*(9E-06, 2E-04)*	8E-03	*(8E-04, 2E-02)*	2E-02	*(5E-03, 4E-02)*	5E-02	*
ARSENIC	2E-05	*(7E-06, 9E-05)*	2E-03	*(9E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	*	*
BARIUM	2E-07	*(1E-07, 3E-07)*	3E-06	*(1E-06, 8E-06)*	8E-06	*(2E-06, 2E-05)*	6E-05	*(9E-06, 7E-05)*
BERYLLIUM	1E-07	*(3E-08, 4E-07)*	7E-06	*(1E-06, 1E-05)*	1E-05	*(4E-06, 2E-05)*	2E-05	*
CADMIUM	4E-04	*(1E-04, 1E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(8E-03, 3E-02)*	9E-02	*(2E-02, 1E-01)*
CHROMIUM (III)	8E-08	*(4E-08, 1E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
CHROMIUM (VI)	5E-06	*(2E-06, 1E-05)*	7E-05	*(3E-05, 1E-04)*	1E-04	*(5E-05, 2E-04)*	*	*
COBALT	2E-07	*(1E-07, 4E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*
MANGANESE	2E-07	*(1E-07, 6E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 4E-04)*	2E-03	*(9E-04, 5E-03)*	6E-03	*(2E-03, 9E-03)*	2E-02	*
MERCURY (METHYL)	7E-04	*(4E-04, 9E-04)*	9E-03	*	*	*	*	*
NICKEL	2E-06	*(9E-07, 4E-06)*	5E-05	*(1E-05, 8E-05)*	8E-05	*(2E-05, 1E-04)*	*	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 2E-03)*	3E-03	*(7E-04, 3E-03)*
SILVER	3E-06	*(1E-06, 4E-06)*	4E-05	*(2E-05, 3E-03)*	2E-03	*(3E-05, 7E-03)*	1E-02	*(5E-05, 2E-02)*
THALLIUM	1E-05	*(6E-06, 3E-05)*	8E-04	*(2E-04, 5E-03)*	4E-03	*(4E-04, 1E-02)*	2E-02	*
Hazard Index	4E-03	*(3E-03, 1E-02)*	6E-02	*(2E-02, 2E-01)*	2E-01	*(4E-02, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(5E-06, 2E-05)*	2E-04	*(5E-05, 3E-04)*	4E-04	*(9E-05, 6E-04)*	1E-03	*
CHLORINE (CL2)	2E-03	*(9E-04, 3E-03)*	2E-02	*(8E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 5E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*
MANGANESE	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MERCURY (ELEMENTAL)	3E-05	*(1E-05, 4E-05)*	2E-04	*(9E-05, 5E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	9E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(2E-02, 5E-02)*
TCDD-TEQ	7E-04	*(4E-04, 1E-03)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A96. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	*	*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-07	*	*	*	*	*
Additive Risk	1E-07	*(1E-08, 3E-07)*	2E-06	*(8E-07, 2E-06)*	2E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 9E-11)*	5E-10	*(3E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	2E-09	*(8E-10, 9E-09)*	2E-07	*(3E-08, 6E-07)*	6E-07	*(8E-08, 1E-06)*	2E-06	*
BERYLLIUM	4E-11	*(1E-11, 1E-10)*	1E-09	*(7E-10, 3E-09)*	3E-09	*(1E-09, 5E-09)*	7E-09	*
CADMIUM	3E-09	*(2E-09, 7E-09)*	9E-08	*(2E-08, 2E-07)*	2E-07	*(3E-08, 8E-07)*	1E-06	*
CHROMIUM (VI)	7E-09	*(4E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(8E-08, 5E-07)*	7E-07	*
NICKEL	3E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(3E-09, 8E-09)*	1E-08	*
Additive Risk	3E-08	*(1E-08, 4E-08)*	4E-07	*(1E-07, 9E-07)*	9E-07	*(2E-07, 2E-06)*	3E-06	*
Non-Cancer - Ingestion								
ANTIMONY	9E-07	*(1E-07, 2E-05)*	7E-03	*	*	*	*	*
ARSENIC	4E-06	*(2E-06, 1E-05)*	1E-03	*	*	*	*	*
BARIUM	4E-08	*(1E-08, 8E-08)*	2E-07	*(1E-07, 6E-07)*	7E-07	*(2E-07, 1E-06)*	3E-06	*
BERYLLIUM	1E-07	*(2E-08, 5E-07)*	5E-06	*(1E-06, 1E-05)*	1E-05	*(4E-06, 2E-05)*	*	*
CADMIUM	2E-04	*(5E-05, 8E-04)*	8E-03	*(4E-03, 3E-02)*	3E-02	*(6E-03, 4E-02)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 6E-09)*	5E-08	*(3E-08, 9E-08)*	9E-08	*(5E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*
CHROMIUM (VI)	3E-07	*(3E-08, 1E-06)*	2E-05	*	*	*	*	*
COBALT	2E-09	*(1E-09, 9E-09)*	4E-07	*	*	*	*	*
MANGANESE	8E-09	*(4E-09, 3E-08)*	9E-07	*	*	*	*	*
MERCURY (DIVALENT)	3E-07	*(1E-07, 5E-07)*	6E-06	*(2E-06, 7E-05)*	6E-05	*(3E-06, 2E-04)*	3E-04	*
MERCURY (METHYL)	4E-07	*(3E-08, 6E-05)*	1E-03	*(4E-04, 4E-02)*	2E-02	*(9E-04, 3E-01)*	*	*
NICKEL	2E-07	*(3E-08, 4E-07)*	9E-06	*(2E-06, 4E-05)*	2E-05	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	1E-09	*(2E-10, 3E-08)*	1E-06	*	*	*	*	*
THALLIUM	4E-06	*(3E-06, 8E-06)*	2E-04	*(3E-05, 2E-03)*	1E-03	*	*	*
Hazard Index	1E-03	*(4E-04, 2E-03)*	6E-02	*(1E-02, 1E-01)*	1E-01	*(3E-02, 4E-01)*	1	*(9E-02, 1)*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(6E-05, 4E-04)*	8E-04	*
CHLORINE (CL2)	9E-04	*(6E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	3E-02	*(1E-02, 3E-02)*	6E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	2E-03	*(9E-04, 4E-03)*	4E-03	*(2E-03, 4E-03)*	6E-03	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-05	*(7E-06, 3E-05)*	2E-04	*(6E-05, 4E-04)*	4E-04	*(1E-04, 1E-03)*	2E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(6E-03, 3E-02)*	3E-02	*(1E-02, 4E-02)*	6E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(1E-04, 3E-03)*	2E-02	*(1E-02, 4E-02)*	4E-02	*(3E-02, 7E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A97. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(5E-09, 1E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 3E-10)*	2E-09	*(8E-10, 4E-09)*	5E-09	*(2E-09, 7E-09)*	9E-09	*(7E-09, 1E-08)*
Additive Risk	1E-08	*(7E-09, 2E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(6E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(4E-12, 2E-11)*	2E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	5E-11	*(2E-11, 4E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(1E-11, 4E-11)*	5E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	3E-10	*(2E-10, 7E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	3E-09	*(2E-09, 6E-09)*	7E-09	*(2E-09, 2E-08)*	2E-08	*
NICKEL	1E-11	*(8E-12, 2E-11)*	1E-10	*(9E-11, 2E-10)*	3E-10	*(1E-10, 4E-10)*	6E-10	*
Additive Risk	7E-10	*(3E-10, 1E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 5E-07)*	9E-06	*	*	*	*	*
ARSENIC	1E-06	*(3E-07, 8E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*
BARIUM	1E-07	*(4E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(2E-06, 8E-06)*	1E-05	*(5E-06, 2E-05)*
BERYLLIUM	1E-08	*(6E-09, 2E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	6E-07	*(4E-07, 8E-07)*
CADMIUM	5E-06	*(2E-06, 8E-06)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	4E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	8E-09	*(2E-09, 1E-08)*	2E-07	*(9E-08, 5E-07)*	7E-07	*(2E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*
CHROMIUM (VI)	3E-07	*(1E-07, 6E-07)*	1E-05	*(3E-06, 2E-05)*	2E-05	*(6E-06, 2E-05)*	4E-05	*(2E-05, 4E-05)*
COBALT	1E-07	*(7E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 5E-06)*	*	*
MANGANESE	9E-08	*(6E-08, 1E-07)*	2E-06	*(7E-07, 2E-06)*	3E-06	*(1E-06, 3E-06)*	6E-06	*(4E-06, 7E-06)*
MERCURY (DIVALENT)	4E-05	*(1E-05, 9E-05)*	7E-04	*(2E-04, 2E-03)*	2E-03	*(5E-04, 4E-03)*	8E-03	*(2E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(5E-05, 4E-04)*	*	*	*	*	*	*
NICKEL	1E-07	*(9E-08, 3E-07)*	7E-06	*(2E-06, 1E-05)*	1E-05	*(3E-06, 2E-05)*	3E-05	*
SELENIUM	3E-06	*(1E-06, 8E-06)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	8E-04	*(4E-04, 9E-04)*
SILVER	4E-06	*(2E-06, 8E-06)*	9E-05	*(4E-05, 2E-04)*	2E-04	*(1E-04, 5E-04)*	8E-04	*(4E-04, 1E-03)*
THALLIUM	9E-06	*(4E-06, 1E-05)*	3E-04	*(7E-05, 9E-04)*	1E-03	*(2E-04, 3E-03)*	7E-03	*
Hazard Index	4E-04	*(3E-04, 2E-03)*	2E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(4E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 7E-05)*	1E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 7E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	6E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	6E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 8E-05)*	2E-04	*
Hazard Index	6E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(9E-03, 3E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-04	*(2E-04, 8E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	6E-02	*(2E-02, 7E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A98. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-10	*(5E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	1E-11	*(8E-12, 2E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(1E-09, 5E-09)*
Additive Risk	1E-09	*(8E-10, 2E-09)*	2E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	7E-12	*(4E-12, 2E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 4E-10)*	7E-10	*
ARSENIC	4E-11	*(2E-11, 3E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(1E-11, 4E-11)*	5E-11	*(2E-11, 9E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 5E-11)*	3E-10	*(2E-10, 7E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	3E-09	*(2E-09, 6E-09)*	7E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	1E-11	*(7E-12, 2E-11)*	1E-10	*(9E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	7E-10	*
Additive Risk	6E-10	*(3E-10, 1E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(6E-09, 6E-08)*	3E-06	*	*	*	*	*
ARSENIC	4E-07	*(1E-07, 6E-06)*	2E-05	*(9E-06, 4E-05)*	4E-05	*(1E-05, 5E-05)*	*	*
BARIUM	1E-08	*(6E-09, 4E-08)*	4E-07	*(2E-07, 5E-07)*	6E-07	*(4E-07, 9E-07)*	2E-06	*(8E-07, 3E-06)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(2E-07, 7E-07)*
CADMIUM	2E-06	*(1E-06, 5E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	6E-10	*(2E-10, 1E-09)*	1E-08	*(9E-09, 3E-08)*	6E-08	*(2E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*
CHROMIUM (VI)	2E-08	*(9E-09, 3E-08)*	6E-07	*	*	*	*	*
COBALT	7E-10	*(4E-10, 1E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(3E-08, 7E-08)*
MANGANESE	2E-08	*(9E-09, 3E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 1E-06)*	3E-05	*(8E-06, 6E-05)*	7E-05	*(2E-05, 2E-04)*	5E-04	*
MERCURY (METHYL)	1E-05	*(4E-06, 6E-05)*	6E-03	*(4E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	1E-08	*(8E-09, 3E-08)*	3E-07	*	*	*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	4E-09	*(3E-10, 1E-07)*	4E-07	*	*	*	*	*
THALLIUM	1E-06	*(7E-07, 4E-06)*	9E-05	*(2E-05, 1E-04)*	1E-04	*(8E-05, 3E-04)*	*	*
Hazard Index	1E-04	*(4E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(4E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(4E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*
CHLORINE (CL2)	3E-04	*(1E-04, 7E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	6E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(4E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	6E-04	*(4E-04, 1E-03)*	8E-03	*(3E-03, 2E-02)*	2E-02	*(8E-03, 3E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-05	*(2E-05, 9E-05)*	8E-04	*(3E-04, 9E-04)*	1E-03	*(8E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A99. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(4E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 3E-10)*	2E-09	*(7E-10, 4E-09)*	5E-09	*(2E-09, 7E-09)*	9E-09	*(7E-09, 1E-08)*
Additive Risk	9E-09	*(6E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(5E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
ARSENIC	6E-11	*(2E-11, 4E-10)*	7E-09	*(2E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 5E-11)*	5E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	5E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	1E-09	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 4E-10)*	3E-09	*(2E-09, 7E-09)*	8E-09	*(3E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(9E-12, 3E-11)*	2E-10	*(1E-10, 3E-10)*	3E-10	*(2E-10, 4E-10)*	7E-10	*
Additive Risk	8E-10	*(4E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-08	*(5E-08, 3E-07)*	6E-06	*(2E-06, 4E-05)*	3E-05	*(4E-06, 5E-05)*	*	*
ARSENIC	9E-07	*(2E-07, 5E-06)*	4E-05	*(1E-05, 8E-05)*	9E-05	*(4E-05, 1E-04)*	2E-04	*
BARIUM	6E-08	*(2E-08, 1E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(1E-06, 4E-06)*	7E-06	*
BERYLLIUM	5E-09	*(2E-09, 9E-09)*	6E-08	*(3E-08, 8E-08)*	9E-08	*(7E-08, 1E-07)*	3E-07	*(1E-07, 3E-07)*
CADMIUM	4E-06	*(2E-06, 6E-06)*	4E-05	*(2E-05, 7E-05)*	9E-05	*(5E-05, 2E-04)*	*	*
CHROMIUM (III)	4E-09	*(1E-09, 9E-09)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(1E-07, 6E-07)*	9E-07	*
CHROMIUM (VI)	1E-07	*(9E-08, 3E-07)*	6E-06	*(2E-06, 9E-06)*	1E-05	*(3E-06, 1E-05)*	2E-05	*(7E-06, 2E-05)*
COBALT	7E-08	*(4E-08, 1E-07)*	9E-07	*(5E-07, 1E-06)*	1E-06	*(9E-07, 3E-06)*	5E-06	*(3E-06, 6E-06)*
MANGANESE	6E-08	*(3E-08, 9E-08)*	9E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
MERCURY (DIVALENT)	2E-05	*(9E-06, 5E-05)*	4E-04	*(1E-04, 9E-04)*	1E-03	*(3E-04, 2E-03)*	4E-03	*(1E-03, 6E-03)*
MERCURY (METHYL)	1E-04	*(3E-05, 3E-04)*	9E-03	*	*	*	*	*
NICKEL	9E-08	*(5E-08, 2E-07)*	4E-06	*(9E-07, 7E-06)*	7E-06	*(2E-06, 1E-05)*	2E-05	*
SELENIUM	2E-06	*(9E-07, 6E-06)*	8E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	5E-04	*(3E-04, 6E-04)*
SILVER	2E-06	*(1E-06, 4E-06)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(6E-05, 2E-04)*	4E-04	*(2E-04, 7E-04)*
THALLIUM	7E-06	*(3E-06, 1E-05)*	2E-04	*(4E-05, 8E-04)*	9E-04	*(1E-04, 2E-03)*	5E-03	*(9E-04, 8E-03)*
Hazard Index	3E-04	*(2E-04, 1E-03)*	1E-02	*(2E-03, 2E-02)*	2E-02	*(9E-03, 2E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(4E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 7E-05)*	1E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 7E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	6E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	6E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 8E-05)*	2E-04	*
Hazard Index	6E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(9E-03, 3E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 5E-04)*	5E-03	*(2E-03, 9E-03)*	1E-02	*(4E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A100. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(5E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
ARSENIC	1E-11	*(7E-12, 1E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 3E-09)*	*	*
Additive Risk	2E-09	*(8E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	4E-11	*(2E-11, 3E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	3E-11	*(1E-11, 5E-11)*	5E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 4E-10)*	3E-09	*(2E-09, 6E-09)*	8E-09	*(3E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(9E-12, 3E-11)*	2E-10	*(1E-10, 3E-10)*	3E-10	*(2E-10, 5E-10)*	8E-10	*
Additive Risk	7E-10	*(3E-10, 1E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(1E-09, 2E-08)*	2E-06	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 3E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 5E-05)*	*	*
BARIUM	4E-09	*(1E-09, 9E-09)*	2E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 3E-07)*	5E-07	*(2E-07, 7E-07)*
BERYLLIUM	8E-09	*(4E-09, 1E-08)*	6E-08	*(4E-08, 8E-08)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(9E-08, 2E-07)*
CADMIUM	1E-06	*(9E-07, 5E-06)*	2E-05	*(1E-05, 8E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	2E-10	*(7E-11, 4E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(5E-09, 2E-08)*	4E-08	*(2E-08, 6E-08)*
CHROMIUM (VI)	9E-09	*(5E-09, 2E-08)*	3E-07	*(4E-08, 4E-06)*	3E-06	*(9E-08, 8E-06)*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	2E-09	*(2E-09, 4E-09)*	6E-09	*(3E-09, 9E-09)*	*	*
MANGANESE	9E-09	*(2E-09, 1E-08)*	4E-08	*	*	*	*	*
MERCURY (DIVALENT)	7E-08	*(2E-08, 3E-07)*	8E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 5E-05)*	1E-04	*(1E-05, 3E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 6E-05)*	6E-03	*(4E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	8E-09	*(4E-09, 1E-08)*	2E-07	*(8E-08, 3E-06)*	2E-06	*(9E-08, 5E-06)*	*	*
SELENIUM	8E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	2E-09	*(9E-11, 5E-08)*	3E-07	*	*	*	*	*
THALLIUM	1E-06	*(5E-07, 3E-06)*	8E-05	*(2E-05, 1E-04)*	1E-04	*(6E-05, 2E-04)*	*	*
Hazard Index	8E-05	*(4E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(4E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(4E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*
CHLORINE (CL2)	3E-04	*(1E-04, 7E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	6E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(4E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	6E-04	*(4E-04, 1E-03)*	8E-03	*(3E-03, 2E-02)*	2E-02	*(8E-03, 3E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-05	*(2E-05, 8E-05)*	7E-04	*(3E-04, 9E-04)*	9E-04	*(7E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A101. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 7E-09)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(1E-07, 5E-07)*
ARSENIC	2E-11	*(7E-12, 1E-10)*	1E-09	*(4E-10, 2E-09)*	3E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	4E-09	*(3E-09, 7E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	5E-07	*(2E-07, 5E-07)*
Cancer - Inhalation								
TCDD-TEQ	6E-12	*(3E-12, 1E-11)*	1E-10	*(5E-11, 2E-10)*	3E-10	*(1E-10, 4E-10)*	6E-10	*
ARSENIC	4E-11	*(1E-11, 3E-10)*	5E-09	*(1E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 3E-11)*	3E-11	*(2E-11, 6E-11)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 5E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	9E-12	*(6E-12, 2E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	5E-10	*
Additive Risk	5E-10	*(3E-10, 1E-09)*	9E-09	*(4E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(3E-08, 1E-07)*	3E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 3E-06)*	2E-05	*(7E-06, 3E-05)*	5E-05	*(2E-05, 7E-05)*	9E-05	*
BARIUM	2E-08	*(9E-09, 7E-08)*	5E-07	*(3E-07, 8E-07)*	9E-07	*(5E-07, 2E-06)*	3E-06	*(1E-06, 5E-06)*
BERYLLIUM	3E-09	*(1E-09, 5E-09)*	3E-08	*(1E-08, 4E-08)*	6E-08	*(3E-08, 7E-08)*	1E-07	*(8E-08, 2E-07)*
CADMIUM	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*
CHROMIUM (III)	2E-09	*(7E-10, 4E-09)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
CHROMIUM (VI)	7E-08	*(4E-08, 1E-07)*	3E-06	*(9E-07, 6E-06)*	6E-06	*(1E-06, 7E-06)*	1E-05	*(3E-06, 1E-05)*
COBALT	3E-08	*(2E-08, 6E-08)*	4E-07	*(2E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*	*	*
MANGANESE	3E-08	*(2E-08, 4E-08)*	6E-07	*(2E-07, 7E-07)*	8E-07	*(4E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	1E-05	*(4E-06, 2E-05)*	2E-04	*(6E-05, 6E-04)*	7E-04	*(1E-04, 1E-03)*	2E-03	*(6E-04, 3E-03)*
MERCURY (METHYL)	9E-05	*(1E-05, 2E-04)*	5E-03	*	*	*	*	*
NICKEL	4E-08	*(2E-08, 9E-08)*	2E-06	*(5E-07, 4E-06)*	4E-06	*(9E-07, 6E-06)*	9E-06	*
SELENIUM	1E-06	*(5E-07, 3E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
SILVER	9E-07	*(6E-07, 2E-06)*	2E-05	*(9E-06, 4E-05)*	6E-05	*(2E-05, 9E-05)*	2E-04	*(8E-05, 3E-04)*
THALLIUM	3E-06	*(1E-06, 6E-06)*	9E-05	*(2E-05, 4E-04)*	5E-04	*(6E-05, 1E-03)*	2E-03	*(4E-04, 4E-03)*
Hazard Index	2E-04	*(9E-05, 6E-04)*	6E-03	*(1E-03, 8E-03)*	8E-03	*(5E-03, 8E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(4E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 7E-05)*	1E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 7E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	6E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	6E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 8E-05)*	2E-04	*
Hazard Index	6E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(9E-03, 3E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(5E-05, 2E-04)*	2E-03	*(7E-04, 3E-03)*	4E-03	*(1E-03, 6E-03)*	1E-02	*
TCDD-TEQ	1E-04	*(6E-05, 2E-04)*	2E-03	*(9E-04, 5E-03)*	5E-03	*(2E-03, 8E-03)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A102. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-10	*(4E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	9E-12	*(4E-12, 1E-10)*	7E-10	*(2E-10, 9E-10)*	9E-10	*(4E-10, 2E-09)*	*	*
Additive Risk	1E-09	*(5E-10, 2E-09)*	2E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	4E-09	*(1E-09, 6E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(9E-12, 3E-11)*	3E-11	*(2E-11, 7E-11)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	9E-12	*(6E-12, 2E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	5E-10	*
Additive Risk	4E-10	*(2E-10, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(9E-10, 1E-08)*	1E-06	*	*	*	*	*
ARSENIC	2E-07	*(8E-08, 2E-06)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	*	*
BARIUM	2E-09	*(9E-10, 6E-09)*	1E-07	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	4E-08	*(3E-08, 5E-08)*	6E-08	*(4E-08, 8E-08)*	1E-07	*(6E-08, 1E-07)*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	1E-10	*(4E-11, 2E-10)*	2E-09	*(1E-09, 5E-09)*	8E-09	*(2E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
CHROMIUM (VI)	6E-09	*(3E-09, 1E-08)*	2E-07	*	*	*	*	*
COBALT	1E-09	*(4E-10, 3E-09)*	9E-09	*	*	*	*	*
MANGANESE	5E-09	*(1E-09, 8E-09)*	3E-08	*	*	*	*	*
MERCURY (DIVALENT)	3E-08	*(1E-08, 2E-07)*	4E-06	*(9E-07, 9E-06)*	9E-06	*(2E-06, 2E-05)*	5E-05	*(8E-06, 9E-05)*
MERCURY (METHYL)	1E-05	*(3E-06, 5E-05)*	4E-03	*(3E-04, 1E-02)*	1E-02	*(8E-04, 3E-02)*	*	*
NICKEL	5E-09	*(3E-09, 9E-09)*	1E-07	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	1E-09	*(4E-11, 3E-08)*	2E-07	*	*	*	*	*
THALLIUM	7E-07	*(3E-07, 2E-06)*	6E-05	*(1E-05, 8E-05)*	8E-05	*(4E-05, 1E-04)*	*	*
Hazard Index	6E-05	*(2E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(4E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*
CHLORINE (CL2)	3E-04	*(1E-04, 7E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	6E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(4E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	6E-04	*(4E-04, 1E-03)*	8E-03	*(3E-03, 2E-02)*	2E-02	*(8E-03, 3E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-05	*(1E-05, 4E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(4E-04, 8E-04)*	*	*
TCDD-TEQ	4E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	8E-03	*(8E-04, 8E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A103. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 7E-09)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	5E-07	*
ARSENIC	5E-11	*(1E-11, 3E-10)*	2E-09	*(9E-10, 4E-09)*	5E-09	*(2E-09, 7E-09)*	9E-09	*
Additive Risk	6E-09	*(3E-09, 9E-09)*	8E-08	*(3E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	5E-07	*(3E-07, 6E-07)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
ARSENIC	5E-11	*(2E-11, 4E-10)*	7E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 2E-08)*	2E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	3E-11	*(1E-11, 4E-11)*	5E-11	*(3E-11, 9E-11)*	2E-10	*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 4E-10)*	3E-09	*(2E-09, 7E-09)*	8E-09	*(3E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(8E-12, 2E-11)*	2E-10	*(9E-11, 3E-10)*	3E-10	*(1E-10, 4E-10)*	7E-10	*
Additive Risk	8E-10	*(4E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
Non-Cancer - Ingestion								
ANTIMONY	5E-08	*(2E-08, 1E-07)*	3E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 3E-06)*	2E-05	*(8E-06, 3E-05)*	5E-05	*(2E-05, 7E-05)*	9E-05	*(7E-05, 1E-04)*
BARIUM	1E-08	*(5E-09, 3E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(3E-07, 9E-07)*	2E-06	*(8E-07, 2E-06)*
BERYLLIUM	2E-09	*(1E-09, 4E-09)*	3E-08	*(1E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	9E-08	*(6E-08, 1E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	9E-10	*(3E-10, 2E-09)*	3E-08	*(1E-08, 7E-08)*	9E-08	*(3E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*
CHROMIUM (VI)	4E-08	*(2E-08, 9E-08)*	1E-06	*(5E-07, 7E-06)*	6E-06	*(9E-07, 8E-06)*	*	*
COBALT	2E-08	*(1E-08, 4E-08)*	3E-07	*(1E-07, 5E-07)*	6E-07	*(3E-07, 8E-07)*	*	*
MANGANESE	2E-08	*(1E-08, 3E-08)*	5E-07	*(1E-07, 7E-07)*	7E-07	*(2E-07, 8E-07)*	*	*
MERCURY (DIVALENT)	8E-06	*(3E-06, 1E-05)*	1E-04	*(4E-05, 4E-04)*	4E-04	*(9E-05, 9E-04)*	1E-03	*(4E-04, 2E-03)*
MERCURY (METHYL)	9E-05	*(1E-05, 2E-04)*	6E-03	*	*	*	*	*
NICKEL	3E-08	*(1E-08, 7E-08)*	1E-06	*(3E-07, 5E-06)*	5E-06	*(6E-07, 5E-06)*	7E-06	*
SELENIUM	1E-06	*(5E-07, 3E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*
SILVER	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 2E-05)*	2E-05	*(1E-05, 5E-05)*	8E-05	*(4E-05, 1E-04)*
THALLIUM	3E-06	*(1E-06, 6E-06)*	9E-05	*(2E-05, 3E-04)*	4E-04	*(5E-05, 9E-04)*	2E-03	*
Hazard Index	2E-04	*(9E-05, 5E-04)*	7E-03	*(1E-03, 9E-03)*	9E-03	*(5E-03, 9E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(4E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 7E-05)*	1E-04	*
CHLORINE (CL2)	4E-04	*(2E-04, 7E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	6E-05	*(2E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	6E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	4E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	6E-06	*(2E-06, 2E-05)*	2E-05	*(4E-06, 8E-05)*	2E-04	*
Hazard Index	6E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(9E-03, 3E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-05	*(3E-05, 1E-04)*	1E-03	*(5E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	9E-03	*(4E-03, 1E-02)*
TCDD-TEQ	8E-05	*(4E-05, 1E-04)*	2E-03	*(5E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	1E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-A104. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(7E-10, 3E-09)*	2E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
ARSENIC	1E-11	*(9E-12, 2E-10)*	1E-09	*(4E-10, 2E-09)*	2E-09	*(8E-10, 4E-09)*	*	*
Additive Risk	2E-09	*(9E-10, 4E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	4E-09	*(1E-09, 6E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(9E-12, 3E-11)*	3E-11	*(2E-11, 7E-11)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	9E-12	*(5E-12, 2E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	5E-10	*
Additive Risk	4E-10	*(2E-10, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	8E-09	*(4E-10, 2E-08)*	1E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 2E-06)*	1E-05	*(3E-06, 2E-05)*	2E-05	*(8E-06, 3E-05)*	*	*
BARIUM	9E-10	*(5E-10, 2E-09)*	9E-08	*	*	*	*	*
BERYLLIUM	3E-09	*(2E-09, 9E-09)*	4E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	9E-08	*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	6E-11	*(2E-11, 1E-10)*	9E-10	*(5E-10, 2E-09)*	3E-09	*(9E-10, 5E-09)*	8E-09	*(5E-09, 1E-08)*
CHROMIUM (VI)	7E-09	*(2E-09, 1E-08)*	2E-07	*	*	*	*	*
COBALT	1E-09	*(2E-10, 3E-09)*	1E-08	*	*	*	*	*
MANGANESE	3E-09	*(7E-10, 8E-09)*	3E-08	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(6E-09, 9E-08)*	2E-06	*(4E-07, 4E-06)*	4E-06	*(9E-07, 9E-06)*	3E-05	*(3E-06, 6E-05)*
MERCURY (METHYL)	1E-05	*(3E-06, 5E-05)*	4E-03	*(3E-04, 1E-02)*	1E-02	*(8E-04, 3E-02)*	*	*
NICKEL	5E-09	*(3E-09, 1E-08)*	1E-07	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	1E-09	*(2E-11, 3E-08)*	2E-07	*	*	*	*	*
THALLIUM	7E-07	*(3E-07, 2E-06)*	6E-05	*(1E-05, 8E-05)*	8E-05	*(4E-05, 1E-04)*	*	*
Hazard Index	6E-05	*(3E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	7E-07	*(3E-07, 1E-06)*	1E-05	*(6E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	7E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 5E-04)*	5E-03	*(2E-03, 9E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(1E-05, 8E-05)*	8E-04	*(4E-04, 1E-03)*	2E-03	*(8E-04, 3E-03)*	4E-03	*
MANGANESE	3E-05	*(2E-05, 4E-05)*	3E-04	*(1E-04, 4E-04)*	4E-04	*(3E-04, 5E-04)*	8E-04	*
MERCURY (ELEMENTAL)	2E-07	*(6E-08, 4E-07)*	4E-06	*(2E-06, 1E-05)*	1E-05	*(2E-06, 5E-05)*	8E-05	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	6E-03	*(2E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-05	*(1E-05, 5E-05)*	4E-04	*(2E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	*	*
TCDD-TEQ	4E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	7E-03	*(8E-04, 7E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B1. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-07	*(5E-07, 9E-07)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(6E-06, 7E-06)*	**2E-05**	***(2E-05, 2E-05)***
ARSENIC	6E-10	*(4E-10, 9E-10)*	8E-09	*(5E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	8E-07	*(5E-07, 1E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(6E-06, 7E-06)*	**2E-05**	***(2E-05, 2E-05)***
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 5E-10)*	1E-09	*(9E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 7E-09)*	1E-08	*(9E-09, 1E-08)*
BERYLLIUM	3E-11	*(3E-11, 5E-11)*	3E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	1E-09	*(1E-09, 2E-09)*	5E-09	*(5E-09, 5E-09)*	8E-09	*(7E-09, 8E-09)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 4E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*
NICKEL	6E-11	*(6E-11, 8E-11)*	9E-10	*(2E-10, 2E-09)*	2E-09	*(9E-10, 2E-09)*	7E-09	*(7E-09, 7E-09)*
Additive Risk	3E-09	*(2E-09, 3E-09)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(9E-06, 4E-05)*	8E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	*	*
ARSENIC	1E-05	*(9E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(5E-04, 9E-04)*
BARIUM	8E-06	*(6E-06, 9E-06)*	1E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 8E-04)*	*	*
BERYLLIUM	8E-07	*(6E-07, 9E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
CADMIUM	8E-04	*(6E-04, 9E-04)*	6E-03	*(5E-03, 6E-03)*	8E-03	*(7E-03, 8E-03)*	5E-02	*(5E-02, 5E-02)*
CHROMIUM (III)	3E-07	*(2E-07, 3E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*	*	*
CHROMIUM (VI)	2E-06	*(1E-06, 2E-06)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*
COBALT	3E-06	*(2E-06, 3E-06)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*
MANGANESE	4E-07	*(3E-07, 6E-07)*	3E-06	*(2E-06, 4E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(7E-06, 8E-06)*
MERCURY (DIVALENT)	1E-03	*(9E-04, 2E-03)*	5E-03	*(4E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	5E-02	*
MERCURY (METHYL)	8E-02	*(4E-02, 1E-01)*	2E-01	*	*	*	*	*
NICKEL	4E-06	*(3E-06, 6E-06)*	4E-05	*(2E-05, 6E-05)*	9E-05	*(4E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
SELENIUM	9E-04	*(5E-04, 1E-03)*	3E-02	*(1E-02, 4E-02)*	6E-02	*(4E-02, 6E-02)*	2E-01	*(2E-01, 2E-01)*
SILVER	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(5E-04, 9E-04)*	2E-02	*(2E-02, 2E-02)*
THALLIUM	1E-03	*(9E-04, 2E-03)*	3E-02	*(1E-02, 6E-02)*	9E-02	*(3E-02, 1E-01)*	4E-01	*(9E-02, 5E-01)*
Hazard Index	1E-01	*(7E-02, 2E-01)*	5E-01	*(3E-01, 6E-01)*	6E-01	*(3E-01, 7E-01)*	7E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-02	*(2E-02, 4E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	7E-01	*(7E-01, 7E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B2. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	*	*	*	*
ARSENIC	1E-10	*(1E-10, 3E-10)*	5E-09	*(3E-09, 6E-09)*	7E-09	*(6E-09, 9E-09)*	*	*
Additive Risk	3E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(3E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*	1E-09	*(1E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	2E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 7E-09)*	1E-08	*(9E-09, 1E-08)*
BERYLLIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	1E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 5E-09)*	7E-09	*(6E-09, 7E-09)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*
NICKEL	6E-11	*(5E-11, 8E-11)*	7E-10	*(2E-10, 2E-09)*	2E-09	*(7E-10, 2E-09)*	7E-09	*(6E-09, 7E-09)*
Additive Risk	3E-09	*(2E-09, 3E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(4E-07, 1E-06)*	5E-05	*	*	*	*	*
ARSENIC	4E-06	*(3E-06, 7E-06)*	1E-04	*(7E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*
BARIUM	9E-07	*(7E-07, 1E-06)*	4E-05	*(8E-06, 8E-05)*	9E-05	*	*	*
BERYLLIUM	9E-07	*(6E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
CADMIUM	2E-04	*(9E-05, 3E-04)*	4E-03	*(3E-03, 5E-03)*	6E-03	*(5E-03, 8E-03)*	1E-02	*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	*	*
CHROMIUM (VI)	5E-08	*(2E-08, 1E-07)*	5E-07	*	*	*	*	*
COBALT	2E-08	*(2E-08, 3E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 3E-07)*
MANGANESE	3E-08	*(2E-08, 4E-08)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-04	*(9E-05, 2E-04)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	1E-02	*
MERCURY (METHYL)	5E-02	*(2E-02, 1E-01)*	4E-01	*(4E-01, 4E-01)*	5E-01	*(4E-01, 6E-01)*	*	*
NICKEL	1E-07	*(1E-07, 2E-07)*	5E-06	*(1E-06, 6E-06)*	9E-06	*(6E-06, 1E-05)*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	4E-09	*(2E-09, 3E-08)*	3E-06	*(8E-08, 5E-06)*	8E-06	*(5E-06, 8E-06)*	*	*
THALLIUM	2E-04	*(1E-04, 4E-04)*	7E-03	*(4E-03, 1E-02)*	2E-02	*(6E-03, 3E-02)*	*	*
Hazard Index	9E-02	*(2E-02, 1E-01)*	5E-01	*(4E-01, 5E-01)*	8E-01	*(5E-01, 9E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(5E-03, 2E-02)*	7E-02	*(6E-02, 8E-02)*	9E-02	*(8E-02, 1E-01)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B3. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-07	*(4E-07, 8E-07)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*	**1E-05**	***(1E-05, 1E-05)***
ARSENIC	5E-10	*(4E-10, 8E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	6E-07	*(4E-07, 8E-07)*	4E-06	*(3E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*	**2E-05**	***(2E-05, 2E-05)***
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(3E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	2E-09	*(1E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*	9E-09	*(8E-09, 9E-09)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	4E-10	*(2E-10, 5E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 9E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(3E-09, 4E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(5E-06, 2E-05)*	5E-04	*(1E-04, 7E-04)*	7E-04	*(3E-04, 8E-04)*	9E-04	*
ARSENIC	9E-06	*(8E-06, 1E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(4E-04, 6E-04)*
BARIUM	4E-06	*(2E-06, 5E-06)*	7E-05	*(3E-05, 1E-04)*	2E-04	*(7E-05, 3E-04)*	5E-04	*
BERYLLIUM	3E-07	*(2E-07, 5E-07)*	5E-06	*(2E-06, 7E-06)*	7E-06	*(5E-06, 9E-06)*	1E-05	*
CADMIUM	6E-04	*(4E-04, 6E-04)*	4E-03	*(3E-03, 4E-03)*	6E-03	*(5E-03, 6E-03)*	3E-02	*(3E-02, 3E-02)*
CHROMIUM (III)	1E-07	*(1E-07, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	7E-06	*(7E-06, 8E-06)*
CHROMIUM (VI)	9E-07	*(7E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*	1E-05	*	*	*
COBALT	1E-06	*(1E-06, 2E-06)*	9E-06	*(9E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	2E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	9E-04	*(6E-04, 1E-03)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(3E-03, 7E-03)*	2E-02	*
MERCURY (METHYL)	6E-02	*(3E-02, 8E-02)*	2E-01	*	*	*	*	*
NICKEL	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 8E-05)*	*	*
SELENIUM	6E-04	*(3E-04, 1E-03)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(3E-02, 5E-02)*	1E-01	*(1E-01, 1E-01)*
SILVER	2E-05	*(1E-05, 2E-05)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(3E-04, 4E-04)*	*	*
THALLIUM	9E-04	*(6E-04, 1E-03)*	2E-02	*(9E-03, 4E-02)*	6E-02	*(2E-02, 9E-02)*	3E-01	*(7E-02, 4E-01)*
Hazard Index	1E-01	*(5E-02, 1E-01)*	3E-01	*(2E-01, 4E-01)*	4E-01	*(3E-01, 4E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-02	*(1E-02, 3E-02)*	1E-01	*(9E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	6E-01	*(6E-01, 6E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B4. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(1E-07, 6E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*	*	*
ARSENIC	1E-10	*(9E-11, 2E-10)*	5E-09	*(2E-09, 5E-09)*	7E-09	*(5E-09, 9E-09)*	*	*
Additive Risk	4E-07	*(1E-07, 7E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(3E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 5E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	1E-09	*(1E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*	8E-09	*(7E-09, 8E-09)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	3E-10	*(1E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 9E-11)*	8E-10	*(2E-10, 2E-09)*	2E-09	*(8E-10, 2E-09)*	8E-09	*(7E-09, 8E-09)*
Additive Risk	3E-09	*(3E-09, 4E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(1E-07, 5E-07)*	3E-05	*	*	*	*	*
ARSENIC	2E-06	*(2E-06, 4E-06)*	9E-05	*(4E-05, 9E-05)*	1E-04	*(9E-05, 2E-04)*	*	*
BARIUM	3E-07	*(2E-07, 4E-07)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(6E-06, 5E-05)*	*	*
BERYLLIUM	4E-07	*(3E-07, 6E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 1E-05)*	*	*
CADMIUM	1E-04	*(9E-05, 3E-04)*	4E-03	*(3E-03, 4E-03)*	6E-03	*(4E-03, 8E-03)*	*	*
CHROMIUM (III)	6E-09	*(4E-09, 8E-09)*	5E-08	*(4E-08, 6E-08)*	9E-08	*(7E-08, 9E-08)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	4E-08	*(9E-09, 9E-08)*	3E-07	*	*	*	*	*
COBALT	6E-09	*(5E-09, 7E-09)*	4E-08	*(4E-08, 5E-08)*	6E-08	*(5E-08, 6E-08)*	9E-08	*(8E-08, 9E-08)*
MANGANESE	9E-09	*(7E-09, 1E-08)*	3E-07	*	*	*	*	*
MERCURY (DIVALENT)	5E-05	*(2E-05, 8E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	3E-03	*
MERCURY (METHYL)	5E-02	*(2E-02, 1E-01)*	4E-01	*(4E-01, 4E-01)*	5E-01	*(4E-01, 6E-01)*	*	*
NICKEL	9E-08	*(6E-08, 1E-07)*	2E-06	*(6E-07, 3E-06)*	6E-06	*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	2E-09	*(9E-10, 2E-08)*	2E-06	*(6E-08, 3E-06)*	4E-06	*(3E-06, 4E-06)*	*	*
THALLIUM	1E-04	*(9E-05, 3E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(6E-03, 2E-02)*	*	*
Hazard Index	9E-02	*(2E-02, 1E-01)*	5E-01	*(4E-01, 5E-01)*	8E-01	*(5E-01, 9E-01)*	**1**	*****
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(5E-03, 2E-02)*	7E-02	*(6E-02, 7E-02)*	8E-02	*(7E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B5. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(2E-07, 4E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	8E-06	*(8E-06, 8E-06)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 5E-09)*	6E-09	*(5E-09, 8E-09)*	*	*
Additive Risk	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	8E-06	*(8E-06, 8E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 3E-10)*	8E-10	*(7E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	9E-09	*(9E-09, 9E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 4E-09)*	5E-09	*(2E-09, 5E-09)*	8E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	9E-10	*(9E-10, 9E-10)*
CADMIUM	1E-09	*(8E-10, 1E-09)*	4E-09	*(3E-09, 4E-09)*	6E-09	*(5E-09, 6E-09)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(1E-08, 1E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(2E-06, 1E-05)*	3E-04	*(6E-05, 4E-04)*	4E-04	*(1E-04, 5E-04)*	5E-04	*(5E-04, 6E-04)*
ARSENIC	5E-06	*(4E-06, 8E-06)*	7E-05	*(5E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
BARIUM	2E-06	*(1E-06, 2E-06)*	3E-05	*(1E-05, 8E-05)*	9E-05	*(3E-05, 1E-04)*	*	*
BERYLLIUM	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 6E-06)*	7E-06	*
CADMIUM	3E-04	*(2E-04, 3E-04)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*	2E-02	*(2E-02, 2E-02)*
CHROMIUM (III)	7E-08	*(6E-08, 9E-08)*	6E-07	*(5E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(3E-06, 3E-06)*
CHROMIUM (VI)	5E-07	*(3E-07, 7E-07)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*	*	*
COBALT	8E-07	*(6E-07, 9E-07)*	5E-06	*(4E-06, 5E-06)*	6E-06	*(5E-06, 7E-06)*	*	*
MANGANESE	1E-07	*(9E-08, 1E-07)*	9E-07	*(8E-07, 1E-06)*	1E-06	*	*	*
MERCURY (DIVALENT)	5E-04	*(3E-04, 6E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 4E-03)*	*	*
MERCURY (METHYL)	3E-02	*(2E-02, 5E-02)*	9E-02	*	*	*	*	*
NICKEL	1E-06	*(9E-07, 1E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(1E-05, 4E-05)*	9E-05	*(8E-05, 9E-05)*
SELENIUM	3E-04	*(2E-04, 6E-04)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	7E-02	*(7E-02, 7E-02)*
SILVER	8E-06	*(6E-06, 1E-05)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-03	*(4E-03, 4E-03)*
THALLIUM	5E-04	*(3E-04, 7E-04)*	9E-03	*(5E-03, 2E-02)*	3E-02	*(9E-03, 5E-02)*	1E-01	*
Hazard Index	5E-02	*(3E-02, 7E-02)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-03	*(5E-03, 9E-03)*	5E-02	*(4E-02, 6E-02)*	8E-02	*(7E-02, 9E-02)*	2E-01	*(2E-01, 2E-01)*
TCDD-TEQ	1E-02	*(7E-03, 1E-02)*	6E-02	*(5E-02, 8E-02)*	1E-01	*(1E-01, 1E-01)*	3E-01	*(3E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B6. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	*	*	*	*
ARSENIC	9E-11	*(8E-11, 1E-10)*	3E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	2E-08	*(8E-09, 2E-08)*
Additive Risk	3E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	8E-10	*(7E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	8E-09	*(8E-09, 8E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	8E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	3E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	8E-10	*(8E-10, 8E-10)*
CADMIUM	9E-10	*(8E-10, 1E-09)*	3E-09	*(3E-09, 4E-09)*	5E-09	*(5E-09, 5E-09)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	2E-10	*(9E-11, 3E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(1E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	2E-09	*(2E-09, 2E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(9E-09, 1E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 2E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 2E-06)*	6E-05	*(3E-05, 6E-05)*	8E-05	*(6E-05, 9E-05)*	*	*
BARIUM	1E-07	*(1E-07, 2E-07)*	9E-06	*(1E-06, 2E-05)*	2E-05	*(3E-06, 2E-05)*	*	*
BERYLLIUM	2E-07	*(1E-07, 3E-07)*	5E-06	*(1E-06, 8E-06)*	8E-06	*	*	*
CADMIUM	9E-05	*(6E-05, 2E-04)*	3E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 5E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	3E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	9E-09	*(7E-09, 1E-08)*	3E-07	*	*	*	*	*
MANGANESE	6E-09	*(4E-09, 9E-09)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-05	*(1E-05, 4E-05)*	1E-04	*(8E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
MERCURY (METHYL)	4E-02	*(1E-02, 9E-02)*[A]	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 4E-01)*	*	*
NICKEL	6E-08	*(4E-08, 8E-08)*	1E-06	*(4E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*	*	*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	9E-10	*(5E-10, 8E-09)*	1E-06	*(4E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-03	*(2E-03, 1E-02)*	1E-02	*(4E-03, 2E-02)*	*	*
Hazard Index	6E-02	*(1E-02, 1E-01)*	3E-01	*(3E-01, 4E-01)*	6E-01	*(4E-01, 8E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-03	*(3E-03, 1E-02)*	4E-02	*(3E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*	*	*
TCDD-TEQ	9E-03	*(3E-03, 2E-02)*	5E-02	*(4E-02, 5E-02)*	9E-02	*(5E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B7. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(2E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	7E-06	*(7E-06, 7E-06)*
ARSENIC	6E-10	*(4E-10, 8E-10)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	4E-07	*(3E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(3E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	1E-09	*(1E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 8E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(3E-09, 4E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(2E-08, 2E-08)*	2E-07	*(2E-07, 2E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(2E-06, 1E-05)*	2E-04	*(4E-05, 4E-04)*	5E-04	*(1E-04, 5E-04)*	*	*
ARSENIC	5E-06	*(4E-06, 8E-06)*	8E-05	*(5E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
BARIUM	9E-07	*(7E-07, 1E-06)*	2E-05	*(7E-06, 5E-05)*	6E-05	*(2E-05, 9E-05)*	1E-04	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	2E-06	*(9E-07, 3E-06)*	4E-06	*(2E-06, 5E-06)*	7E-06	*
CADMIUM	3E-04	*(2E-04, 4E-04)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*	*	*
CHROMIUM (III)	4E-08	*(3E-08, 5E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(6E-07, 7E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
COBALT	5E-07	*(4E-07, 7E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*
MANGANESE	8E-08	*(6E-08, 9E-08)*	8E-07	*(5E-07, 9E-07)*	9E-07	*(7E-07, 1E-06)*	*	*
MERCURY (DIVALENT)	3E-04	*(2E-04, 4E-04)*	9E-04	*(8E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	*	*
MERCURY (METHYL)	3E-02	*(2E-02, 6E-02)*	1E-01	*	*	*	*	*
NICKEL	7E-07	*(5E-07, 9E-07)*	7E-06	*(5E-06, 9E-06)*	1E-05	*(8E-06, 2E-05)*	6E-05	*(5E-05, 6E-05)*
SELENIUM	4E-04	*(2E-04, 7E-04)*	9E-03	*(7E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	8E-02	*(8E-02, 8E-02)*
SILVER	3E-06	*(2E-06, 5E-06)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(7E-05, 9E-05)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	4E-04	*(3E-04, 7E-04)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(9E-03, 4E-02)*	1E-01	*
Hazard Index	6E-02	*(3E-02, 8E-02)*	2E-01	*(1E-01, 3E-01)*	3E-01	*(1E-01, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-03	*(4E-03, 8E-03)*	4E-02	*(3E-02, 5E-02)*	7E-02	*(6E-02, 8E-02)*	1E-01	*(1E-01, 1E-01)*
TCDD-TEQ	7E-03	*(5E-03, 9E-03)*	4E-02	*(3E-02, 6E-02)*	8E-02	*(7E-02, 8E-02)*	2E-01	*(2E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B8. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-07	*(2E-07, 9E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 2E-10)*	6E-09	*(3E-09, 7E-09)*	8E-09	*(7E-09, 1E-08)*	*	*
Additive Risk	5E-07	*(2E-07, 9E-07)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(3E-06, 5E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	8E-10	*(7E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	8E-09	*(7E-09, 8E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	8E-10	*(8E-10, 8E-10)*
CADMIUM	9E-10	*(7E-10, 1E-09)*	3E-09	*(3E-09, 4E-09)*	5E-09	*(5E-09, 5E-09)*	1E-07	*(1E-07, 1E-07)*
CHROMIUM (VI)	2E-10	*(9E-11, 3E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(1E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	2E-09	*(2E-09, 2E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(9E-09, 1E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 2E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 2E-06)*	6E-05	*(3E-05, 7E-05)*	8E-05	*(7E-05, 9E-05)*	*	*
BARIUM	8E-08	*(5E-08, 1E-07)*	4E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	*	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	5E-06	*(1E-06, 7E-06)*	8E-06	*(2E-06, 9E-06)*	*	*
CADMIUM	9E-05	*(6E-05, 2E-04)*	3E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 5E-03)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 1E-09)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	8E-08	*(8E-08, 8E-08)*
CHROMIUM (VI)	2E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	6E-09	*(4E-09, 9E-09)*	4E-07	*	*	*	*	*
MANGANESE	4E-09	*(2E-09, 6E-09)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-05	*(5E-06, 1E-05)*	6E-05	*(4E-05, 8E-05)*	9E-05	*(6E-05, 1E-04)*	6E-04	*(1E-04, 8E-04)*
MERCURY (METHYL)	4E-02	*(1E-02, 9E-02)*[A]	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 4E-01)*	*	*
NICKEL	5E-08	*(3E-08, 8E-08)*	1E-06	*(4E-07, 2E-06)*	*	*	*	*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	9E-10	*(4E-10, 8E-09)*	1E-06	*(4E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-03	*(2E-03, 1E-02)*	1E-02	*(4E-03, 2E-02)*	*	*
Hazard Index	6E-02	*(1E-02, 1E-01)*	3E-01	*(3E-01, 4E-01)*	6E-01	*(4E-01, 8E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(5E-06, 1E-05)*	2E-04	*(6E-05, 4E-04)*	4E-04	*(2E-04, 6E-04)*	7E-04	*
CHLORINE (CL2)	3E-04	*(1E-04, 3E-04)*	3E-03	*(2E-03, 4E-03)*	4E-03	*(3E-03, 6E-03)*	8E-03	*
HYDROGEN CHLORIDE (HCL)	7E-04	*(6E-04, 9E-04)*	2E-03	*(2E-03, 3E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	2E-05	*(2E-05, 3E-05)*	1E-04	*(8E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	7E-04	*(7E-04, 7E-04)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 7E-06)*	3E-05	*(2E-05, 3E-05)*	4E-05	*(3E-05, 4E-05)*	5E-05	*
Hazard Index	1E-03	*(1E-03, 1E-03)*	5E-03	*(3E-03, 6E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-03	*(3E-03, 1E-02)*	5E-02	*(4E-02, 5E-02)*	6E-02	*(5E-02, 7E-02)*	*	*
TCDD-TEQ	9E-03	*(3E-03, 2E-02)*	5E-02	*(4E-02, 5E-02)*	8E-02	*(5E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B9. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(6E-08, 1E-06)*	**1E-05**	***(7E-06, 2E-05)***	*	*	*	*
ARSENIC	6E-10	*(1E-10, 2E-09)*	*	*	*	*	*	*
Additive Risk	2E-07	*(6E-08, 1E-06)*	**1E-05**	***(7E-06, 2E-05)***	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 1E-09)*	1E-08	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 2E-08)*	2E-07	*(7E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	*	*
CHROMIUM (VI)	9E-10	*(8E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	7E-11	*(6E-11, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(7E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	5E-05	*(4E-05, 5E-05)*	*	*	*	*	*	*
ARSENIC	1E-05	*(4E-06, 5E-05)*	*	*	*	*	*	*
BARIUM	3E-06	*(3E-06, 4E-06)*	3E-05	*	*	*	*	*
BERYLLIUM	9E-07	*(5E-07, 1E-06)*	7E-06	*	*	*	*	*
CADMIUM	8E-05	*(2E-05, 4E-03)*	3E-02	*(9E-03, 6E-02)*	7E-02	*(5E-02, 7E-02)*	*	*
CHROMIUM (III)	3E-07	*(8E-08, 5E-07)*	*	*	*	*	*	*
CHROMIUM (VI)	2E-06	*(2E-06, 3E-06)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 3E-05)*	*	*
COBALT	3E-06	*(3E-06, 3E-06)*	3E-05	*	*	*	*	*
MANGANESE	2E-07	*(6E-08, 8E-07)*	4E-06	*(1E-06, 7E-06)*	8E-06	*(6E-06, 8E-06)*	*	*
MERCURY (DIVALENT)	3E-03	*(2E-03, 6E-03)*	5E-02	*(2E-02, 6E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	1E-05	*(4E-06, 2E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(2E-04, 3E-04)*	2E-03	*	*	*	*	*
SILVER	3E-04	*(9E-05, 6E-04)*	1E-02	*	*	*	*	*
THALLIUM	6E-04	*(5E-04, 9E-04)*	*	*	*	*	*	*
Hazard Index	2E-01	*(2E-01, 2E-01)*	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 3E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-03	*(3E-03, 9E-02)*	7E-01	*(3E-01, 9E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B10. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*	*	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 7E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
BERYLLIUM	3E-11	*(2E-11, 8E-11)*	9E-10	*(3E-10, 1E-09)*	2E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	5E-11	*(4E-11, 1E-08)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	*	*
NICKEL	7E-11	*(6E-11, 5E-10)*	5E-09	*(2E-09, 8E-09)*	1E-08	*(5E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 1E-08)*	2E-07	*(6E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*	*	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 1E-05)*	7E-05	*(4E-05, 7E-05)*	8E-05	*(7E-05, 8E-05)*	*	*
BARIUM	5E-07	*(4E-07, 7E-07)*	3E-06	*	*	*	*	*
BERYLLIUM	9E-07	*(5E-07, 1E-06)*	4E-06	*	*	*	*	*
CADMIUM	2E-05	*(1E-05, 2E-03)*	6E-03	*(5E-03, 7E-03)*	8E-03	*(6E-03, 8E-03)*	*	*
CHROMIUM (III)	2E-08	*(8E-09, 4E-08)*	4E-07	*	*	*	*	*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	3E-07	*	*	*	*	*
COBALT	2E-08	*(2E-08, 2E-08)*	2E-07	*	*	*	*	*
MANGANESE	7E-09	*(2E-09, 1E-07)*	7E-07	*(5E-07, 8E-07)*	9E-07	*	*	*
MERCURY (DIVALENT)	7E-04	*(5E-04, 9E-04)*	8E-03	*	*	*	*	*
MERCURY (METHYL)	3E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	9E-08	*	*	*	*	*	*	*
SELENIUM	9E-05	*(9E-05, 1E-04)*	*	*	*	*	*	*
SILVER	2E-09	*	*	*	*	*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-04	*(4E-04, 6E-04)*	6E-04	*(5E-04, 6E-04)*	*	*
Hazard Index	4E-01	*(4E-01, 4E-01)*	**1**	***(1 , 1)***	**1**	***(1 , 1)***	**1**	*****
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(8E-04, 7E-03)*	4E-02	*(2E-02, 5E-02)*	5E-02	*(4E-02, 5E-02)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B11. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(5E-08, 1E-06)*	**1E-05**	***(6E-06, 2E-05)***	*	*	*	*
ARSENIC	5E-10	*(1E-10, 1E-09)*	6E-09	*	*	*	*	*
Additive Risk	1E-07	*(5E-08, 1E-06)*	**1E-05**	***(6E-06, 2E-05)***	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 2E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	*	*
BERYLLIUM	4E-11	*(3E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	7E-11	*(5E-11, 2E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*	*	*
NICKEL	9E-11	*(7E-11, 1E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 3E-08)*	2E-07	*(9E-08, 3E-07)*	4E-07	*(2E-07, 4E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(3E-05, 3E-05)*	*	*	*	*	*	*
ARSENIC	9E-06	*(2E-06, 3E-05)*	*	*	*	*	*	*
BARIUM	1E-06	*(1E-06, 2E-06)*	*	*	*	*	*	*
BERYLLIUM	6E-07	*(2E-07, 8E-07)*	3E-06	*(1E-06, 6E-06)*	7E-06	*(5E-06, 7E-06)*	*	*
CADMIUM	6E-05	*(9E-06, 2E-03)*	2E-02	*(9E-03, 4E-02)*	*	*	*	*
CHROMIUM (III)	1E-07	*(5E-08, 3E-07)*	5E-06	*	*	*	*	*
CHROMIUM (VI)	1E-06	*(9E-07, 2E-06)*	8E-06	*(5E-06, 1E-05)*	*	*	*	*
COBALT	2E-06	*(1E-06, 2E-06)*	1E-05	*	*	*	*	*
MANGANESE	1E-07	*(3E-08, 4E-07)*	2E-06	*	*	*	*	*
MERCURY (DIVALENT)	2E-03	*(1E-03, 3E-03)*	2E-02	*(9E-03, 3E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	8E-06	*(2E-06, 1E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(1E-04, 2E-04)*	2E-03	*	*	*	*	*
SILVER	1E-04	*(4E-05, 4E-04)*	*	*	*	*	*	*
THALLIUM	4E-04	*(3E-04, 6E-04)*	4E-03	*	*	*	*	*
Hazard Index	1E-01	*(1E-01, 1E-01)*	2E-01	*(2E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-03	*(2E-03, 5E-02)*	5E-01	*(2E-01, 7E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B12. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*(5E-11, 3E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	*	*
Additive Risk	3E-08	*(2E-08, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 9E-10)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 6E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 9E-11)*	1E-09	*(4E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 1E-08)*	2E-07	*(6E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	8E-11	*(7E-11, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 2E-08)*	2E-07	*(7E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 7E-06)*	3E-05	*(2E-05, 4E-05)*	4E-05	*(3E-05, 4E-05)*	*	*
BARIUM	2E-07	*(8E-08, 3E-07)*	8E-07	*(7E-07, 1E-06)*	2E-06	*(8E-07, 2E-06)*	*	*
BERYLLIUM	5E-07	*(3E-07, 8E-07)*	2E-06	*	*	*	*	*
CADMIUM	2E-05	*(1E-05, 9E-04)*	5E-03	*(3E-03, 6E-03)*	6E-03	*(5E-03, 7E-03)*	*	*
CHROMIUM (III)	6E-09	*(2E-09, 9E-09)*	1E-07	*	*	*	*	*
CHROMIUM (VI)	7E-08	*	*	*	*	*	*	*
COBALT	6E-09	*(5E-09, 6E-09)*	4E-08	*	*	*	*	*
MANGANESE	2E-09	*	*	*	*	*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 3E-04)*	2E-03	*	*	*	*	*
MERCURY (METHYL)	3E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	6E-08	*(4E-08, 1E-06)*	8E-06	*	*	*	*	*
SELENIUM	8E-05	*(8E-05, 9E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	1E-04	*(5E-05, 2E-04)*	*	*	*	*	*	*
Hazard Index	4E-01	*(4E-01, 4E-01)*	**1**	***(1 , 1)***	**1**	***(1 , 1)***	**1**	*****
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 7E-03)*	*	*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B13. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(2E-08, 7E-07)*	6E-06	*	*	*	*	*
ARSENIC	3E-10	*(8E-11, 9E-10)*	3E-09	*	*	*	*	*
Additive Risk	7E-08	*(2E-08, 7E-07)*	6E-06	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	*	*
ARSENIC	1E-10	*(8E-11, 7E-10)*	5E-09	*(2E-09, 7E-09)*	9E-09	*(6E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 1E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 2E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	6E-11	*(4E-11, 6E-10)*	5E-09	*(2E-09, 7E-09)*	8E-09	*(5E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 2E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(2E-07, 3E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(1E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*	5E-05	*(4E-05, 5E-05)*	*	*
ARSENIC	5E-06	*(1E-06, 2E-05)*	6E-05	*	*	*	*	*
BARIUM	8E-07	*(6E-07, 9E-07)*	*	*	*	*	*	*
BERYLLIUM	3E-07	*(8E-08, 4E-07)*	2E-06	*	*	*	*	*
CADMIUM	3E-05	*(7E-06, 8E-04)*	1E-02	*	*	*	*	*
CHROMIUM (III)	8E-08	*(2E-08, 1E-07)*	2E-06	*	*	*	*	*
CHROMIUM (VI)	6E-07	*(5E-07, 8E-07)*	6E-06	*(2E-06, 7E-06)*	*	*	*	*
COBALT	9E-07	*(9E-07, 1E-06)*	*	*	*	*	*	*
MANGANESE	7E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
MERCURY (DIVALENT)	1E-03	*(7E-04, 1E-03)*	*	*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	4E-06	*(9E-07, 8E-06)*	5E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 9E-05)*	*	*	*	*	*	*
SILVER	8E-05	*(2E-05, 2E-04)*	3E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	2E-03	*	*	*	*	*
Hazard Index	8E-02	*(8E-02, 8E-02)*	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 1E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(7E-04, 1E-02)*	1E-01	*(8E-02, 2E-01)*	*	*	*	*
TCDD-TEQ	3E-03	*(9E-04, 2E-02)*	2E-01	*(9E-02, 3E-01)*	4E-01	*(3E-01, 5E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B14. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	6E-11	*(3E-11, 2E-10)*	*	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 6E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	*	*
ARSENIC	1E-10	*(8E-11, 4E-10)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(4E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 6E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 8E-09)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 1E-05)*	*	*	*	*	*	*
BARIUM	1E-07	*(7E-08, 2E-07)*	4E-07	*	*	*	*	*
BERYLLIUM	3E-07	*(2E-07, 5E-07)*	1E-06	*	*	*	*	*
CADMIUM	1E-05	*(5E-06, 6E-04)*	*	*	*	*	*	*
CHROMIUM (III)	3E-09	*(9E-10, 6E-09)*	6E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	8E-09	*	*	*	*	*	*	*
MANGANESE	6E-10	*(3E-10, 3E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	9E-05	*(8E-05, 1E-04)*	*	*	*	*	*	*
MERCURY (METHYL)	2E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	4E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
Hazard Index	3E-01	*(3E-01, 3E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(4E-04, 4E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 1E-02)*	4E-02	*(2E-02, 4E-02)*	4E-02	*(4E-02, 4E-02)*	4E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

Table VI-B15. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(3E-08, 8E-07)*	7E-06	*(3E-06, 9E-06)*	*	*	*	*
ARSENIC	5E-10	*(1E-10, 2E-09)*	*	*	*	*	*	*
Additive Risk	1E-07	*(3E-08, 8E-07)*	7E-06	*(3E-06, 9E-06)*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 2E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 2E-08)*	2E-07	*(8E-08, 2E-07)*	3E-07	*(2E-07, 3E-07)*	*	*
CHROMIUM (VI)	1E-09	*(9E-10, 1E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	8E-11	*(6E-11, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-08)*	2E-07	*(9E-08, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(9E-06, 1E-05)*	*	*	*	*	*	*
ARSENIC	5E-06	*(1E-06, 2E-05)*	6E-05	*	*	*	*	*
BARIUM	4E-07	*(4E-07, 5E-07)*	3E-06	*(2E-06, 6E-06)*	7E-06	*(5E-06, 7E-06)*	*	*
BERYLLIUM	3E-07	*(8E-08, 4E-07)*	*	*	*	*	*	*
CADMIUM	3E-05	*(8E-06, 1E-03)*	*	*	*	*	*	*
CHROMIUM (III)	5E-08	*(1E-08, 7E-08)*	1E-06	*	*	*	*	*
CHROMIUM (VI)	3E-07	*(3E-07, 4E-07)*	3E-06	*(1E-06, 4E-06)*	*	*	*	*
COBALT	7E-07	*(5E-07, 8E-07)*	4E-06	*(3E-06, 7E-06)*	*	*	*	*
MANGANESE	5E-08	*(8E-09, 2E-07)*	7E-07	*	*	*	*	*
MERCURY (DIVALENT)	7E-04	*(4E-04, 9E-04)*	*	*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	2E-06	*(6E-07, 8E-06)*	3E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 1E-04)*	*	*	*	*	*	*
SILVER	3E-05	*(9E-06, 9E-05)*	1E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	*	*	*	*	*	*
Hazard Index	9E-02	*(9E-02, 9E-02)*	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 1E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(5E-04, 1E-02)*	1E-01	*(5E-02, 2E-01)*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 1E-02)*	1E-01	*(6E-02, 2E-01)*	3E-01	*(2E-01, 3E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B16. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(2E-08, 3E-07)*	*	*	*	*	*	*
ARSENIC	1E-10	*	*	*	*	*	*	*
Additive Risk	6E-08	*(3E-08, 3E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 5E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	*	*
ARSENIC	9E-11	*(8E-11, 4E-10)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(4E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 6E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 1E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 8E-09)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*	*	*	*	*	*	*
ARSENIC	9E-07	*	*	*	*	*	*	*
BARIUM	5E-08	*(2E-08, 1E-07)*	3E-07	*	*	*	*	*
BERYLLIUM	2E-07	*(9E-08, 5E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(9E-07, 1E-06)*	*	*
CADMIUM	1E-05	*(5E-06, 6E-04)*	*	*	*	*	*	*
CHROMIUM (III)	1E-09	*(5E-10, 2E-09)*	2E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	4E-09	*	*	*	*	*	*	*
MANGANESE	4E-10	*	*	*	*	*	*	*
MERCURY (DIVALENT)	5E-05	*(4E-05, 6E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*	*	*
MERCURY (METHYL)	2E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	3E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	1E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*	*	*
Hazard Index	3E-01	*(3E-01, 3E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(4E-06, 7E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	*	*
CHLORINE (CL2)	5E-05	*(4E-05, 6E-05)*	8E-05	*(7E-05, 8E-05)*	8E-05	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 2E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
MANGANESE	5E-06	*(5E-06, 5E-05)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	*	*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	1E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 1E-04)*	8E-04	*(3E-04, 1E-03)*	2E-03	*(8E-04, 2E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(4E-04, 5E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 1E-02)*	4E-02	*(2E-02, 4E-02)*	4E-02	*(4E-02, 4E-02)*	4E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B17. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	4E-06	**2E-05**	**3E-05**	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	5E-06	**2E-05**	**3E-05**	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	1E-09	7E-09	2E-08	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	8E-09	*
Additive Risk	9E-09	3E-08	3E-08	*
Non-Cancer - Ingestion				
ANTIMONY	2E-05	3E-04	9E-04	*
ARSENIC	2E-05	2E-04	3E-04	*
BARIUM	1E-06	2E-05	4E-05	*
BERYLLIUM	4E-07	4E-06	*	*
CADMIUM	2E-04	3E-03	5E-03	*
CHROMIUM (III)	3E-07	3E-06	5E-06	*
CHROMIUM (VI)	1E-06	2E-05	4E-05	*
COBALT	1E-06	1E-05[A]	*	*
MANGANESE	2E-07	2E-06	3E-06	*
MERCURY (DIVALENT)	6E-04	5E-03	8E-03	*
MERCURY (METHYL)	2E-02	*	*	*
NICKEL	4E-06	7E-05	3E-04[A]	*
SELENIUM	6E-05	7E-04	9E-04	*
SILVER	2E-05	2E-04	3E-04	*
THALLIUM	2E-04	2E-03	*	*
Hazard Index	3E-02	2E-01	2E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	4E-03	9E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	1E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-01	9E-01	1	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B18. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-07	2E-06	*	*
ARSENIC	5E-10	1E-09	2E-09	*
Additive Risk	4E-07	2E-06	3E-06	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	1E-09	6E-09	1E-08	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	8E-09	*
Additive Risk	9E-09	3E-08	3E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	8E-05	9E-05	*
ARSENIC	1E-05	5E-05	6E-05	7E-05
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	5E-07	4E-06	8E-06	*
CADMIUM	8E-05	7E-04	*	*
CHROMIUM (III)	3E-08	3E-07	4E-07	*
CHROMIUM (VI)	1E-07	9E-07	1E-06	1E-06
COBALT	1E-08	9E-08	1E-07	*
MANGANESE	4E-08	9E-08	1E-07	*
MERCURY (DIVALENT)	8E-05	6E-04	9E-04	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	4E-07	5E-06	6E-06	*
SELENIUM	8E-06	*	*	*
SILVER	6E-08	*	*	*
THALLIUM	3E-05	2E-04	*	*
Hazard Index	8E-03	2E-01	2E-01	2E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	8E-04	4E-03	7E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	8E-06	5E-05	1E-04	*
Hazard Index	1E-02	6E-02	8E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-02	9E-02	*	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B19. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-06	**1E-05**	**2E-05**	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	4E-06	**2E-05**	**2E-05**	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	5E-10	*
CADMIUM	1E-09	8E-09	2E-08	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	9E-09	*
Additive Risk	1E-08	4E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	1E-05	2E-04	6E-04	*
ARSENIC	1E-05	1E-04	2E-04	*
BARIUM	7E-07	1E-05	2E-05	*
BERYLLIUM	1E-07	2E-06	5E-06	*
CADMIUM	1E-04	2E-03	4E-03	*
CHROMIUM (III)	1E-07	1E-06	2E-06	*
CHROMIUM (VI)	9E-07	1E-05	2E-05	*
COBALT	9E-07	7E-06	*	*
MANGANESE	1E-07	9E-07	*	*
MERCURY (DIVALENT)	3E-04	3E-03	5E-03	*
MERCURY (METHYL)	1E-02	*	*	*
NICKEL	2E-06	4E-05	1E-04	*
SELENIUM	4E-05	5E-04	7E-04	*
SILVER	9E-06	1E-04	2E-04	*
THALLIUM	1E-04	1E-03	*	*
Hazard Index	2E-02	2E-01	2E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	4E-03	9E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	1E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	1E-01	6E-01	7E-01	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B20. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	5E-07	3E-06	*	*
ARSENIC	3E-10	1E-09	*	*
Additive Risk	5E-07	3E-06	*	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	4E-10	*
CADMIUM	1E-09	6E-09	1E-08	*
CHROMIUM (VI)	7E-10	6E-09	8E-09	*
NICKEL	2E-10	4E-09	9E-09	*
Additive Risk	1E-08	4E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	4E-06	*	*	*
ARSENIC	7E-06	3E-05	*	*
BARIUM	8E-08	9E-07	1E-06	*
BERYLLIUM	2E-07	1E-06	2E-06	*
CADMIUM	6E-05	7E-04	*	*
CHROMIUM (III)	8E-09	8E-08	1E-07	*
CHROMIUM (VI)	6E-08	5E-07	6E-07	7E-07
COBALT	3E-09	2E-08	*	*
MANGANESE	2E-08	4E-08	5E-08	*
MERCURY (DIVALENT)	2E-05	2E-04	2E-04	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	2E-07	2E-06	3E-06	4E-06
SELENIUM	8E-06	*	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	2E-04	*	*
Hazard Index	7E-03	2E-01	2E-01	2E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	8E-04	4E-03	7E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	8E-06	5E-05	1E-04	*
Hazard Index	1E-02	6E-02	8E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-02	9E-02	*	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B21. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	1E-06	9E-06	1E-05	*
ARSENIC	5E-10	4E-09	7E-09	*
Additive Risk	2E-06	9E-06	**1E-05**	*
Cancer - Inhalation				
TCDD-TEQ	2E-09	9E-09	1E-08	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	9E-10	5E-09	1E-08	*
CHROMIUM (VI)	5E-10	3E-09	5E-09	*
NICKEL	9E-11	2E-09	6E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	1E-04	3E-04	*
ARSENIC	9E-06	8E-05	1E-04	*
BARIUM	3E-07	6E-06	8E-06	*
BERYLLIUM	9E-08	9E-07	*	*
CADMIUM	9E-05	1E-03	2E-03	*
CHROMIUM (III)	9E-08	9E-07	1E-06	*
CHROMIUM (VI)	5E-07	6E-06	9E-06	*
COBALT	4E-07[A]	3E-06	4E-06	*
MANGANESE	7E-08	6E-07	7E-07	*
MERCURY (DIVALENT)	1E-04	1E-03	2E-03	*
MERCURY (METHYL)	6E-03	*	*	*
NICKEL	1E-06	2E-05	7E-05	*
SELENIUM	2E-05	2E-04	3E-04	*
SILVER	5E-06	6E-05	8E-05	*
THALLIUM	7E-05	6E-04	*	*
Hazard Index	1E-02	8E-02	8E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	4E-03	9E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	1E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	5E-02	2E-01	3E-01	*
TCDD-TEQ	6E-02	3E-01	4E-01	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B22. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-07	2E-06	*	*
ARSENIC	2E-10	1E-09	*	*
Additive Risk	3E-07	2E-06	*	*
Cancer - Inhalation				
TCDD-TEQ	2E-09	9E-09	1E-08	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	9E-10	4E-09	9E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	6E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	*	*	*
ARSENIC	4E-06	2E-05	2E-05	3E-05
BARIUM	4E-08	5E-07	6E-07	*
BERYLLIUM	1E-07	9E-07	1E-06	*
CADMIUM	4E-05	5E-04	*	*
CHROMIUM (III)	4E-09	4E-08	6E-08	*
CHROMIUM (VI)	4E-08	3E-07	4E-07	*
COBALT	2E-08	4E-08	5E-08	*
MANGANESE	1E-08	3E-08	3E-08	*
MERCURY (DIVALENT)	1E-05	9E-05	1E-04	*
MERCURY (METHYL)	5E-03	*	*	*
NICKEL	1E-07	2E-06[A]	2E-06	2E-06
SELENIUM	6E-06	8E-05	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	5E-03	1E-01	1E-01	1E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	8E-04	4E-03	7E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	8E-06	5E-05	1E-04	*
Hazard Index	1E-02	6E-02	8E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	9E-03	5E-02	*	*
TCDD-TEQ	1E-02	8E-02	2E-01	2E-01

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B23. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	2E-06	9E-06	1E-05	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	2E-06	**1E-05**	**1E-05**	*
Cancer - Inhalation				
TCDD-TEQ	3E-09	1E-08	2E-08	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	1E-09	8E-09	2E-08	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	9E-09	*
Additive Risk	9E-09	3E-08	4E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	7E-05	2E-04	*
ARSENIC	9E-06	8E-05	1E-04	*
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	8E-08	8E-07	1E-06	*
CADMIUM	9E-05	1E-03	2E-03	*
CHROMIUM (III)	5E-08	4E-07	7E-07	*
CHROMIUM (VI)	3E-07	4E-06	5E-06	*
COBALT	2E-07	2E-06	3E-06	*
MANGANESE	5E-08	4E-07	5E-07	*
MERCURY (DIVALENT)	9E-05	9E-04	1E-03	*
MERCURY (METHYL)	6E-03	*	*	*
NICKEL	8E-07	1E-05	4E-05	*
SELENIUM	2E-05	2E-04	4E-04	*
SILVER	2E-06	2E-05	3E-05	*
THALLIUM	6E-05	6E-04	8E-04	*
Hazard Index	1E-02	9E-02	9E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	8E-04	4E-03	9E-03	*
HYDROGEN CHLORIDE (HCL)	1E-02	6E-02	8E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	1E-02	7E-02	9E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	3E-02	1E-01	2E-01	*
TCDD-TEQ	3E-02	2E-01	2E-01	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B24. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	6E-07	3E-06	*	*
ARSENIC	5E-10	2E-09	*	*
Additive Risk	6E-07	3E-06	*	*
Cancer - Inhalation				
TCDD-TEQ	2E-09	9E-09	1E-08	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	9E-10	4E-09	9E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	6E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	3E-05	*	*
ARSENIC	4E-06	2E-05	2E-05	3E-05
BARIUM	2E-08	2E-07	3E-07	*
BERYLLIUM	7E-08	6E-07	8E-07	*
CADMIUM	3E-05	5E-04	*	*
CHROMIUM (III)	1E-09	1E-08	2E-08	*
CHROMIUM (VI)	4E-08	4E-07	*	*
COBALT	2E-08	*	*	*
MANGANESE	1E-08	2E-08	3E-08	*
MERCURY (DIVALENT)	5E-06	4E-05	6E-05	*
MERCURY (METHYL)	5E-03	*	*	*
NICKEL	1E-07	1E-06	2E-06	2E-06
SELENIUM	6E-06	8E-05	*	*
SILVER	3E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	5E-03	1E-01	1E-01	1E-01
Non-Cancer - Inhalation				
BARIUM	5E-06	4E-05	7E-05	*
CHLORINE (CL2)	5E-04	3E-03	5E-03	*
HYDROGEN CHLORIDE (HCL)	9E-03	4E-02	5E-02	*
MANGANESE	4E-05	1E-04	2E-04	*
MERCURY (ELEMENTAL)	5E-06	4E-05	7E-05	*
Hazard Index	1E-02	4E-02	6E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	9E-03	6E-02	8E-02	*
TCDD-TEQ	1E-02	8E-02	2E-01	2E-01

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B25. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(3E-08, 9E-08)*	4E-06	*(2E-06, 7E-06)*	1E-05	*(6E-06, 2E-05)*	**4E-05**	***(3E-05, 5E-05)***
ARSENIC	1E-10	*(8E-11, 3E-10)*	8E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(3E-08, 1E-07)*
Additive Risk	7E-08	*(4E-08, 1E-07)*	4E-06	*(2E-06, 8E-06)*	**1E-05**	***(7E-06, 2E-05)***	**4E-05**	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 8E-11)*	3E-09	*(1E-09, 4E-09)*	7E-09	*(4E-09, 1E-08)*	2E-08	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	8E-08	*
BERYLLIUM	5E-12	*(3E-12, 8E-12)*	2E-10	*(7E-11, 4E-10)*	6E-10	*(2E-10, 9E-10)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	4E-10	*(3E-10, 6E-10)*	1E-09	*(6E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	8E-07	*(3E-07, 2E-06)*	8E-04	*(1E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	*	*
ARSENIC	4E-06	*(2E-06, 8E-06)*	2E-04	*(9E-05, 4E-04)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(9E-04, 3E-03)*
BARIUM	1E-07	*(9E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	1E-05	*(6E-06, 1E-05)*	6E-05	*(3E-05, 9E-05)*
BERYLLIUM	2E-08	*(1E-08, 4E-08)*	9E-07	*(5E-07, 2E-06)*	4E-06	*(1E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*
CADMIUM	1E-05	*(9E-06, 2E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(8E-04, 1E-03)*	5E-03	*(3E-03, 9E-03)*
CHROMIUM (III)	3E-08	*(2E-08, 5E-08)*	9E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 6E-06)*
CHROMIUM (VI)	9E-07	*(6E-07, 1E-06)*	3E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 8E-05)*	2E-04	*(1E-04, 2E-04)*
COBALT	1E-07	*(9E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	1E-07	*(9E-08, 1E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 8E-06)*
MERCURY (DIVALENT)	1E-04	*(9E-05, 3E-04)*	4E-03	*(2E-03, 5E-03)*	8E-03	*(5E-03, 9E-03)*	2E-02	*(1E-02, 7E-02)*
MERCURY (METHYL)	8E-04	*(3E-04, 1E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 8E-02)*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	1E-05	*(8E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*	1E-04	*(9E-05, 1E-04)*
SELENIUM	1E-05	*(8E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	9E-04	*(6E-04, 1E-03)*	5E-03	*(2E-03, 7E-03)*
SILVER	3E-06	*(2E-06, 4E-06)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 4E-04)*	3E-03	*(4E-04, 9E-03)*
THALLIUM	8E-06	*(6E-06, 1E-05)*	6E-04	*(3E-04, 9E-04)*	2E-03	*(1E-03, 3E-03)*	1E-02	*(9E-03, 1E-02)*
Hazard Index	2E-03	*(1E-03, 3E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(3E-02, 1E-01)*	2E-01	*(1E-01, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	7E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(1E-03, 5E-03)*	2E-01	*(9E-02, 3E-01)*	6E-01	*(3E-01, 9E-01)*	**2**	***(1 , 2)***

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B26. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-09	*(3E-09, 7E-09)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
ARSENIC	8E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 6E-09)*	1E-08	*(3E-09, 2E-08)*	*	*
Additive Risk	6E-09	*(4E-09, 9E-09)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 6E-11)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(3E-09, 9E-09)*	2E-08	*
ARSENIC	2E-10	*(8E-11, 4E-10)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	8E-08	*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 1E-09)*	4E-09	*(2E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(2E-08, 2E-07)*	2E-04	*(1E-05, 8E-04)*	2E-03	*(1E-04, 3E-03)*	*	*
ARSENIC	2E-06	*(8E-07, 3E-06)*	5E-05	*(3E-05, 1E-04)*	3E-04	*(9E-05, 5E-04)*	7E-04	*(4E-04, 7E-04)*
BARIUM	3E-08	*(1E-08, 4E-08)*	5E-07	*(4E-07, 7E-07)*	1E-06	*(9E-07, 2E-06)*	9E-06	*(4E-06, 9E-06)*
BERYLLIUM	3E-08	*(2E-08, 4E-08)*	9E-07	*(4E-07, 2E-06)*	3E-06	*(1E-06, 9E-06)*	3E-05	*(9E-06, 4E-05)*
CADMIUM	6E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	8E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	3E-09	*(1E-09, 4E-09)*	8E-08	*(6E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*	4E-07	*(3E-07, 5E-07)*
CHROMIUM (VI)	3E-08	*(2E-08, 5E-08)*	2E-06	*(7E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	*	*
COBALT	9E-10	*(6E-10, 9E-10)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(6E-08, 9E-08)*
MANGANESE	1E-08	*(7E-09, 1E-08)*	3E-07	*(1E-07, 6E-07)*	6E-07	*(3E-07, 8E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-06	*(6E-07, 2E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(8E-05, 4E-04)*	1E-03	*(5E-04, 2E-03)*
MERCURY (METHYL)	2E-05	*(8E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(8E-03, 7E-02)*	*	*
NICKEL	1E-08	*(9E-09, 2E-08)*	1E-06	*(6E-07, 4E-06)*	4E-06	*(1E-06, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	1E-09	*(9E-10, 6E-09)*	4E-07	*(9E-08, 7E-07)*	8E-07	*(3E-07, 1E-06)*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 9E-04)*	2E-03	*(1E-03, 2E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	1E-02	*(6E-03, 2E-02)*	4E-02	*(1E-02, 8E-02)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	8E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 6E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B27. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(2E-08, 9E-08)*	3E-06	*(1E-06, 6E-06)*	9E-06	*(5E-06, 1E-05)*	**3E-05**	***(2E-05, 4E-05)***
ARSENIC	1E-10	*(8E-11, 2E-10)*	8E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(3E-08, 1E-07)*
Additive Risk	5E-08	*(3E-08, 1E-07)*	3E-06	*(2E-06, 6E-06)*	**1E-05**	***(5E-06, 2E-05)***	**3E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 9E-11)*	3E-09	*(1E-09, 5E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*
ARSENIC	3E-10	*(1E-10, 5E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	9E-08	*
BERYLLIUM	5E-12	*(4E-12, 9E-12)*	2E-10	*(8E-11, 4E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 1E-08)*	3E-08	*
CHROMIUM (VI)	7E-10	*(4E-10, 1E-09)*	1E-08	*(8E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	4E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(2E-07, 1E-06)*	5E-04	*(9E-05, 1E-03)*	1E-03	*(7E-04, 2E-03)*	8E-03	*
ARSENIC	2E-06	*(1E-06, 5E-06)*	1E-04	*(6E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(6E-04, 2E-03)*
BARIUM	7E-08	*(4E-08, 9E-08)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(3E-06, 9E-06)*	3E-05	*(1E-05, 4E-05)*
BERYLLIUM	1E-08	*(8E-09, 1E-08)*	4E-07	*(2E-07, 8E-07)*	1E-06	*(6E-07, 7E-06)*	1E-05	*(5E-06, 2E-05)*
CADMIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 5E-04)*	9E-04	*(6E-04, 1E-03)*	3E-03	*(2E-03, 7E-03)*
CHROMIUM (III)	1E-08	*(1E-08, 2E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 9E-07)*	2E-06	*(2E-06, 3E-06)*
CHROMIUM (VI)	5E-07	*(3E-07, 8E-07)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	9E-05	*(6E-05, 1E-04)*
COBALT	8E-08	*(6E-08, 9E-08)*	9E-07	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	7E-08	*(5E-08, 9E-08)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	4E-06	*(3E-06, 4E-06)*
MERCURY (DIVALENT)	8E-05	*(5E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 6E-03)*	1E-02	*(7E-03, 4E-02)*
MERCURY (METHYL)	5E-04	*(2E-04, 9E-04)*	1E-02	*(4E-03, 2E-02)*	3E-02	*(9E-03, 5E-02)*	*	*
NICKEL	2E-07	*(9E-08, 3E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(9E-06, 2E-05)*	7E-05	*(5E-05, 8E-05)*
SELENIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(4E-04, 9E-04)*	3E-03	*(1E-03, 5E-03)*
SILVER	1E-06	*(9E-07, 2E-06)*	4E-05	*(3E-05, 7E-05)*	9E-05	*(7E-05, 2E-04)*	1E-03	*(2E-04, 6E-03)*
THALLIUM	5E-06	*(3E-06, 9E-06)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(8E-04, 2E-03)*	9E-03	*(7E-03, 9E-03)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 7E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	7E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(9E-04, 3E-03)*	1E-01	*(6E-02, 2E-01)*	3E-01	*(1E-01, 5E-01)*	1	*(8E-01, 1)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B28. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(3E-09, 9E-09)*	7E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	7E-11	*(2E-11, 9E-11)*	2E-09	*(9E-10, 6E-09)*	9E-09	*	*	*
Additive Risk	7E-09	*(4E-09, 1E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 7E-11)*	2E-09	*(1E-09, 4E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
ARSENIC	2E-10	*(9E-11, 4E-10)*	1E-08	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	9E-08	*
BERYLLIUM	5E-12	*(4E-12, 8E-12)*	2E-10	*(8E-11, 3E-10)*	5E-10	*(2E-10, 8E-10)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(3E-10, 9E-10)*	1E-08	*(8E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(3E-09, 5E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(4E-08, 8E-08)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(9E-09, 9E-08)*	7E-05	*(4E-06, 3E-04)*	7E-04	*(6E-05, 2E-03)*	*	*
ARSENIC	1E-06	*(4E-07, 2E-06)*	4E-05	*(1E-05, 9E-05)*	2E-04	*(5E-05, 3E-04)*	4E-04	*
BARIUM	9E-09	*(5E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(2E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	3E-07	*(2E-07, 8E-07)*	1E-06	*(4E-07, 4E-06)*	2E-05	*(4E-06, 2E-05)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	8E-10	*(4E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*
CHROMIUM (VI)	2E-08	*(9E-09, 3E-08)*	1E-06	*(5E-07, 6E-06)*	7E-06	*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	7E-09	*(6E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
MANGANESE	4E-09	*(2E-09, 7E-09)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 6E-07)*
MERCURY (DIVALENT)	3E-07	*(1E-07, 7E-07)*	1E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 9E-05)*	3E-04	*(1E-04, 5E-04)*
MERCURY (METHYL)	2E-05	*(7E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(8E-03, 7E-02)*	*	*
NICKEL	9E-09	*(4E-09, 1E-08)*	8E-07	*(3E-07, 2E-06)*	2E-06	*(7E-07, 3E-06)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	8E-10	*(3E-10, 2E-09)*	2E-07	*(5E-08, 5E-07)*	6E-07	*(2E-07, 8E-07)*	*	*
THALLIUM	1E-06	*(8E-07, 2E-06)*	7E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 5E-04)*	2E-03	*(8E-04, 2E-03)*
Hazard Index	2E-04	*(8E-05, 3E-04)*	9E-03	*(5E-03, 2E-02)*	4E-02	*(1E-02, 8E-02)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	8E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 6E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B29. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 4E-08)*	1E-06	*(8E-07, 2E-06)*	5E-06	*(2E-06, 7E-06)*	**1E-05**	***(9E-06, 2E-05)***
ARSENIC	9E-11	*(4E-11, 1E-10)*	4E-09	*(2E-09, 8E-09)*	9E-09	*(7E-09, 1E-08)*	3E-08	*(2E-08, 7E-08)*
Additive Risk	3E-08	*(1E-08, 5E-08)*	2E-06	*(8E-07, 3E-06)*	5E-06	*(3E-06, 8E-06)*	**2E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 6E-11)*	2E-09	*(9E-10, 3E-09)*	5E-09	*(3E-09, 7E-09)*	1E-08	*
ARSENIC	2E-10	*(7E-11, 3E-10)*	6E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	6E-08	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	1E-10	*(5E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	1E-09	*
CADMIUM	7E-11	*(5E-11, 1E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(3E-10, 6E-10)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(8E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(5E-10, 1E-09)*	3E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(9E-08, 6E-07)*	2E-04	*(5E-05, 7E-04)*	9E-04	*(3E-04, 1E-03)*	5E-03	*(1E-03, 6E-03)*
ARSENIC	1E-06	*(8E-07, 2E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(3E-04, 9E-04)*
BARIUM	3E-08	*(2E-08, 5E-08)*	8E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 4E-06)*	1E-05	*(8E-06, 2E-05)*
BERYLLIUM	6E-09	*(4E-09, 9E-09)*	2E-07	*(9E-08, 4E-07)*	9E-07	*(3E-07, 3E-06)*	9E-06	*(2E-06, 1E-05)*
CADMIUM	6E-06	*(3E-06, 8E-06)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(3E-04, 6E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	8E-09	*(5E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 4E-07)*	8E-06	*(5E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	5E-05	*(3E-05, 7E-05)*
COBALT	4E-08	*(3E-08, 5E-08)*	5E-07	*(4E-07, 6E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MANGANESE	3E-08	*(2E-08, 5E-08)*	4E-07	*(3E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
MERCURY (DIVALENT)	4E-05	*(2E-05, 8E-05)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	8E-03	*(4E-03, 2E-02)*
MERCURY (METHYL)	2E-04	*(1E-04, 4E-04)*	6E-03	*(2E-03, 8E-03)*	1E-02	*(5E-03, 3E-02)*	*	*
NICKEL	9E-08	*(4E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	8E-06	*(4E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
SELENIUM	5E-06	*(3E-06, 8E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 2E-03)*
SILVER	7E-07	*(5E-07, 9E-07)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	7E-04	*(9E-05, 3E-03)*
THALLIUM	3E-06	*(2E-06, 4E-06)*	2E-04	*(9E-05, 3E-04)*	7E-04	*(4E-04, 9E-04)*	4E-03	*(3E-03, 5E-03)*
Hazard Index	8E-04	*(4E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	7E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(3E-04, 9E-04)*	4E-02	*(2E-02, 7E-02)*	1E-01	*(6E-02, 2E-01)*	4E-01	*(3E-01, 5E-01)*
TCDD-TEQ	8E-04	*(5E-04, 2E-03)*	6E-02	*(3E-02, 1E-01)*	2E-01	*(9E-02, 3E-01)*	5E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B30. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 7E-09)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*	*	*
ARSENIC	4E-11	*(1E-11, 7E-11)*	1E-09	*(6E-10, 4E-09)*	8E-09	*(2E-09, 9E-09)*	1E-08	*
Additive Risk	5E-09	*(3E-09, 8E-09)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	1E-09	*(8E-10, 3E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
ARSENIC	2E-10	*(6E-11, 3E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(9E-09, 2E-08)*	6E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	1E-10	*(5E-11, 2E-10)*	3E-10	*(2E-10, 5E-10)*	1E-09	*
CADMIUM	7E-11	*(4E-11, 1E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(7E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	8E-10	*(5E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*
Additive Risk	2E-09	*(1E-09, 2E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(6E-09, 5E-08)*	4E-05	*(2E-06, 3E-04)*	7E-04	*(4E-05, 1E-03)*	*	*
ARSENIC	8E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 7E-05)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	5E-09	*(2E-09, 9E-09)*	8E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	1E-06	*(6E-07, 1E-06)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	2E-07	*(1E-07, 5E-07)*	9E-07	*(2E-07, 2E-06)*	1E-05	*(2E-06, 1E-05)*
CADMIUM	3E-06	*(2E-06, 5E-06)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	4E-10	*(2E-10, 7E-10)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(5E-08, 7E-08)*
CHROMIUM (VI)	1E-08	*(6E-09, 2E-08)*	9E-07	*(3E-07, 3E-06)*	4E-06	*	*	*
COBALT	9E-10	*(4E-10, 1E-09)*	4E-08	*(1E-08, 8E-08)*	8E-08	*(3E-08, 9E-08)*	1E-07	*
MANGANESE	2E-09	*(1E-09, 4E-09)*	8E-08	*(3E-08, 2E-07)*	2E-07	*(7E-08, 2E-07)*	3E-07	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 4E-07)*	9E-06	*(4E-06, 1E-05)*	3E-05	*(1E-05, 6E-05)*	2E-04	*(7E-05, 3E-04)*
MERCURY (METHYL)	2E-05	*(5E-06, 5E-05)*	4E-03	*(1E-03, 1E-02)*	2E-02	*(6E-03, 5E-02)*	2E-01	*(5E-02, 3E-01)*
NICKEL	5E-09	*(3E-09, 9E-09)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(5E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	6E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	5E-10	*(2E-10, 1E-09)*	2E-07	*(4E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	*	*
THALLIUM	9E-07	*(5E-07, 1E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(6E-05, 2E-04)*	7E-03	*(3E-03, 1E-02)*	3E-02	*(7E-03, 6E-02)*	3E-01	*(6E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	8E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(7E-05, 2E-04)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(2E-02, 3E-02)*	6E-02	*(5E-02, 7E-02)*
TCDD-TEQ	1E-04	*(1E-04, 2E-04)*	2E-02	*(9E-03, 3E-02)*	4E-02	*(3E-02, 4E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B31. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 5E-08)*	2E-06	*(9E-07, 3E-06)*	5E-06	*(3E-06, 8E-06)*	**2E-05**	***(1E-05, 2E-05)***
ARSENIC	1E-10	*(8E-11, 3E-10)*	8E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(3E-08, 9E-08)*
Additive Risk	3E-08	*(2E-08, 5E-08)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(3E-06, 8E-06)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 9E-11)*	3E-09	*(1E-09, 5E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	8E-08	*
BERYLLIUM	5E-12	*(4E-12, 8E-12)*	2E-10	*(8E-11, 4E-10)*	6E-10	*(2E-10, 9E-10)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 1E-09)*	4E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 7E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(9E-08, 4E-07)*	2E-04	*(4E-05, 7E-04)*	9E-04	*(3E-04, 1E-03)*	6E-03	*(1E-03, 6E-03)*
ARSENIC	1E-06	*(8E-07, 3E-06)*	7E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 8E-04)*
BARIUM	2E-08	*(1E-08, 3E-08)*	4E-07	*(3E-07, 6E-07)*	1E-06	*(7E-07, 2E-06)*	8E-06	*(4E-06, 9E-06)*
BERYLLIUM	5E-09	*(3E-09, 9E-09)*	1E-07	*(9E-08, 3E-07)*	6E-07	*(2E-07, 2E-06)*	7E-06	*(2E-06, 9E-06)*
CADMIUM	6E-06	*(4E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 7E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	4E-09	*(3E-09, 7E-09)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	7E-07	*(5E-07, 8E-07)*
CHROMIUM (VI)	1E-07	*(9E-08, 2E-07)*	6E-06	*(3E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	2E-08	*(2E-08, 3E-08)*	3E-07	*(3E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(1E-06, 2E-06)*
MANGANESE	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 6E-07)*	1E-06	*(9E-07, 1E-06)*
MERCURY (DIVALENT)	2E-05	*(1E-05, 5E-05)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(9E-04, 2E-03)*	6E-03	*(2E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(1E-04, 4E-04)*	6E-03	*(2E-03, 9E-03)*	1E-02	*(6E-03, 3E-02)*	*	*
NICKEL	6E-08	*(3E-08, 1E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
SELENIUM	6E-06	*(3E-06, 9E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	4E-07	*(2E-07, 5E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 4E-05)*	4E-04	*(4E-05, 1E-03)*
THALLIUM	3E-06	*(1E-06, 4E-06)*	2E-04	*(9E-05, 3E-04)*	6E-04	*(3E-04, 9E-04)*	3E-03	*(3E-03, 5E-03)*
Hazard Index	7E-04	*(3E-04, 1E-03)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 4E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	7E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(2E-04, 9E-04)*	3E-02	*(1E-02, 5E-02)*	9E-02	*(5E-02, 1E-01)*	3E-01	*(2E-01, 4E-01)*
TCDD-TEQ	5E-04	*(3E-04, 9E-04)*	3E-02	*(2E-02, 6E-02)*	1E-01	*(5E-02, 2E-01)*	3E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B32. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-09	*(5E-09, 1E-08)*	9E-07	*(4E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 5E-06)*
ARSENIC	8E-11	*(3E-11, 1E-10)*	3E-09	*(1E-09, 7E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	1E-09	*(8E-10, 3E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
ARSENIC	2E-10	*(6E-11, 3E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	6E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	1E-10	*(5E-11, 2E-10)*	3E-10	*(2E-10, 5E-10)*	1E-09	*
CADMIUM	7E-11	*(4E-11, 1E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(7E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(5E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*
Additive Risk	2E-09	*(1E-09, 2E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(6E-09, 5E-08)*	5E-05	*(2E-06, 3E-04)*	8E-04	*(4E-05, 1E-03)*	*	*
ARSENIC	7E-07	*(2E-07, 1E-06)*	3E-05	*(9E-06, 7E-05)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	2E-09	*(9E-10, 5E-09)*	6E-08	*(3E-08, 8E-08)*	1E-07	*(7E-08, 1E-07)*	5E-07	*(2E-07, 7E-07)*
BERYLLIUM	8E-09	*(4E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	7E-07	*(2E-07, 1E-06)*	1E-05	*(1E-06, 1E-05)*
CADMIUM	3E-06	*(2E-06, 5E-06)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	2E-10	*(1E-10, 3E-10)*	4E-09	*(3E-09, 6E-09)*	8E-09	*(7E-09, 9E-09)*	2E-08	*(2E-08, 3E-08)*
CHROMIUM (VI)	1E-08	*(5E-09, 1E-08)*	1E-06	*(3E-07, 4E-06)*	4E-06	*(1E-06, 7E-06)*	*	*
COBALT	7E-10	*(3E-10, 1E-09)*	5E-08	*(9E-09, 9E-08)*	9E-08	*(3E-08, 1E-07)*	1E-07	*
MANGANESE	2E-09	*(9E-10, 4E-09)*	1E-07	*(3E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	4E-07	*
MERCURY (DIVALENT)	9E-08	*(4E-08, 1E-07)*	3E-06	*(2E-06, 8E-06)*	1E-05	*(5E-06, 2E-05)*	7E-05	*(3E-05, 9E-05)*
MERCURY (METHYL)	2E-05	*(5E-06, 5E-05)*	4E-03	*(1E-03, 1E-02)*	2E-02	*(6E-03, 5E-02)*	2E-01	*(5E-02, 3E-01)*
NICKEL	5E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(5E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	6E-10	*(1E-10, 1E-09)*	2E-07	*(4E-08, 4E-07)*	5E-07	*(1E-07, 6E-07)*	*	*
THALLIUM	9E-07	*(5E-07, 1E-06)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(8E-05, 4E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(6E-05, 2E-04)*	7E-03	*(3E-03, 1E-02)*	3E-02	*(8E-03, 6E-02)*	3E-01	*(6E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	8E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 6E-05)*	1E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 4E-04)*	5E-03	*(3E-03, 7E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*
HYDROGEN CHLORIDE (HCL)	6E-05	*(4E-05, 8E-05)*	6E-04	*(5E-04, 8E-04)*	1E-03	*(9E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	3E-05	*(2E-05, 4E-05)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(4E-04, 5E-04)*	1E-03	*(7E-04, 1E-03)*
MERCURY (ELEMENTAL)	8E-07	*(5E-07, 2E-06)*	4E-05	*(3E-05, 6E-05)*	1E-04	*(6E-05, 2E-04)*	5E-04	*
Hazard Index	5E-04	*(4E-04, 7E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(3E-02, 3E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(9E-05, 2E-04)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	7E-02	*(6E-02, 8E-02)*
TCDD-TEQ	1E-04	*(9E-05, 2E-04)*	2E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	8E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B33. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 2E-07)*	6E-06	*(5E-07, 1E-05)*	1E-05	*(2E-06, 3E-05)*	**4E-05**	*****
ARSENIC	3E-11	*(6E-12, 3E-10)*	1E-08	*(1E-09, 4E-08)*	4E-08	*(6E-09, 1E-07)*	3E-07	*
Additive Risk	3E-08	*(1E-08, 2E-07)*	6E-06	*(5E-07, 1E-05)*	**1E-05**	***(2E-06, 3E-05)***	**4E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 1E-10)*	3E-09	*(3E-10, 5E-09)*	7E-09	*(1E-09, 1E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 5E-10)*	2E-08	*(1E-09, 7E-08)*	8E-08	*(6E-09, 1E-07)*	3E-07	*
BERYLLIUM	5E-12	*(3E-12, 8E-12)*	6E-11	*(1E-11, 1E-10)*	1E-10	*(3E-11, 4E-10)*	1E-09	*
CADMIUM	4E-11	*(2E-11, 8E-11)*	1E-09	*(1E-10, 3E-09)*	4E-09	*(8E-10, 6E-09)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(8E-10, 5E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(4E-10, 3E-09)*	7E-09	*(5E-09, 7E-09)*
Additive Risk	5E-10	*(3E-10, 2E-09)*	3E-08	*(5E-09, 9E-08)*	9E-08	*(2E-08, 1E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(8E-08, 2E-06)*	1E-03	*(9E-06, 4E-03)*	4E-03	*(9E-05, 6E-03)*	1E-02	*(2E-03, 1E-02)*
ARSENIC	7E-07	*(2E-07, 9E-06)*	3E-04	*(5E-05, 9E-04)*	1E-03	*(1E-04, 3E-03)*	*	*
BARIUM	9E-08	*(1E-08, 3E-07)*	5E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 3E-05)*	9E-05	*(3E-05, 1E-04)*
BERYLLIUM	2E-08	*(8E-09, 4E-08)*	5E-07	*(9E-08, 1E-06)*	1E-06	*(2E-07, 3E-06)*	*	*
CADMIUM	9E-06	*(4E-06, 3E-05)*	2E-04	*(7E-05, 5E-04)*	6E-04	*(2E-04, 1E-03)*	7E-03	*
CHROMIUM (III)	5E-09	*(1E-09, 4E-08)*	7E-07	*(1E-07, 1E-06)*	2E-06	*(5E-07, 4E-06)*	8E-06	*(6E-06, 8E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	3E-06	*(1E-06, 9E-06)*	9E-06	*(2E-06, 4E-05)*	*	*
COBALT	1E-07	*(5E-08, 2E-07)*	2E-06	*(5E-07, 5E-06)*	7E-06	*(2E-06, 9E-06)*	2E-05	*(9E-06, 2E-05)*
MANGANESE	9E-08	*(4E-08, 2E-07)*	1E-06	*(5E-07, 4E-06)*	5E-06	*(1E-06, 7E-06)*	1E-05	*(9E-06, 2E-05)*
MERCURY (DIVALENT)	9E-05	*(3E-05, 6E-04)*	9E-03	*(1E-03, 3E-02)*	2E-02	*(4E-03, 7E-02)*	2E-01	*
MERCURY (METHYL)	3E-04	*(5E-05, 1E-03)*	3E-02	*(2E-03, 4E-02)*	4E-02	*(6E-03, 6E-02)*	*	*
NICKEL	1E-07	*(6E-08, 7E-07)*	9E-06	*(3E-06, 2E-05)*	4E-05	*(8E-06, 7E-05)*	3E-04	*(2E-04, 3E-04)*
SELENIUM	6E-06	*(8E-07, 2E-05)*	4E-04	*(8E-05, 5E-04)*	7E-04	*(3E-04, 1E-03)*	6E-03	*(2E-03, 9E-03)*
SILVER	2E-06	*(5E-07, 8E-06)*	9E-05	*(3E-05, 2E-04)*	3E-04	*(7E-05, 6E-04)*	1E-03	*(4E-04, 2E-03)*
THALLIUM	7E-06	*(2E-06, 2E-05)*	2E-03	*(9E-05, 5E-03)*	8E-03	*(2E-03, 1E-02)*	1E-01	*(3E-02, 2E-01)*
Hazard Index	5E-04	*(2E-04, 6E-03)*	5E-02	*(1E-02, 1E-01)*	1E-01	*(3E-02, 2E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	2E-04	*(1E-05, 7E-04)*	6E-04	*(6E-05, 2E-03)*	4E-03	*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(5E-04, 9E-03)*	3E-01	*(2E-02, 6E-01)*	7E-01	*(1E-01, 1)*	**2**	*****

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B34. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(5E-09, 2E-08)*	9E-08	*(3E-08, 3E-07)*	3E-07	*(5E-08, 5E-07)*	6E-07	*(1E-07, 7E-07)*
ARSENIC	8E-12	*(4E-12, 1E-10)*	4E-09	*(2E-10, 7E-09)*	7E-09	*(1E-09, 1E-08)*	2E-08	*
Additive Risk	7E-09	*(5E-09, 2E-08)*	1E-07	*(3E-08, 3E-07)*	4E-07	*(6E-08, 5E-07)*	7E-07	*(1E-07, 7E-07)*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 6E-11)*	1E-09	*(9E-11, 4E-09)*	3E-09	*(3E-10, 1E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	2E-08	*(5E-10, 8E-08)*	8E-08	*(5E-09, 2E-07)*	3E-07	*
BERYLLIUM	4E-12	*(2E-12, 8E-12)*	7E-11	*(1E-11, 2E-10)*	2E-10	*(3E-11, 6E-10)*	1E-09	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	2E-09	*(1E-10, 4E-09)*	5E-09	*(5E-10, 1E-08)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(8E-10, 5E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	1E-11	*(5E-12, 4E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(3E-10, 3E-09)*	7E-09	*(5E-09, 7E-09)*
Additive Risk	4E-10	*(3E-10, 1E-09)*	4E-08	*(2E-09, 9E-08)*	9E-08	*(1E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(1E-08, 3E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-07	*(9E-08, 4E-06)*	1E-04	*(5E-06, 1E-04)*	2E-04	*(3E-05, 3E-04)*	5E-04	*
BARIUM	1E-08	*(2E-09, 5E-08)*	8E-07	*(3E-07, 2E-06)*	2E-06	*(5E-07, 4E-06)*	8E-06	*(3E-06, 1E-05)*
BERYLLIUM	4E-08	*(2E-08, 8E-08)*	5E-07	*(9E-08, 1E-06)*	1E-06	*(2E-07, 3E-06)*	9E-06	*
CADMIUM	6E-06	*(2E-06, 9E-06)*	2E-04	*(3E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	*	*
CHROMIUM (III)	2E-10	*(9E-11, 3E-09)*	7E-08	*(7E-09, 1E-07)*	2E-07	*(3E-08, 4E-07)*	7E-07	*(5E-07, 7E-07)*
CHROMIUM (VI)	1E-08	*(9E-09, 2E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-07	*
COBALT	9E-10	*(4E-10, 2E-09)*	2E-08	*(6E-09, 5E-08)*	5E-08	*(9E-09, 8E-08)*	1E-07	*(7E-08, 2E-07)*
MANGANESE	1E-08	*(2E-09, 2E-08)*	3E-07	*(3E-08, 5E-07)*	5E-07	*(4E-08, 7E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-07	*(4E-08, 6E-06)*	9E-05	*(9E-06, 2E-04)*	2E-04	*(3E-05, 6E-04)*	9E-04	*
MERCURY (METHYL)	2E-05	*(1E-05, 6E-05)*	6E-03	*(1E-04, 4E-02)*	3E-02	*(5E-04, 8E-02)*	*	*
NICKEL	1E-08	*(5E-09, 2E-08)*	9E-07	*(8E-08, 1E-06)*	1E-06	*(1E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	1E-09	*(1E-10, 2E-09)*	4E-08	*	*	*	*	*
THALLIUM	1E-06	*(4E-07, 3E-06)*	1E-04	*(6E-05, 3E-04)*	6E-04	*(7E-05, 9E-04)*	*	*
Hazard Index	8E-05	*(4E-05, 4E-04)*	1E-02	*(4E-04, 9E-02)*	9E-02	*(4E-03, 2E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	2E-04	*(4E-06, 1E-03)*	8E-04	*(9E-06, 2E-03)*	5E-03	*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 8E-03)*	8E-03	*(1E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-04	*(2E-04, 9E-04)*	6E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 2E-02)*	3E-02	*(7E-03, 3E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B35. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(9E-09, 1E-07)*	5E-06	*(4E-07, 9E-06)*	9E-06	*(2E-06, 2E-05)*	**3E-05**	*
ARSENIC	2E-11	*(6E-12, 3E-10)*	1E-08	*(1E-09, 4E-08)*	4E-08	*(6E-09, 1E-07)*	3E-07	*
Additive Risk	2E-08	*(9E-09, 2E-07)*	5E-06	*(4E-07, 9E-06)*	1E-05	*(2E-06, 2E-05)*	**3E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 1E-10)*	3E-09	*(3E-10, 6E-09)*	8E-09	*(1E-09, 2E-08)*	2E-08	*
ARSENIC	3E-11	*(2E-11, 6E-10)*	2E-08	*(2E-09, 8E-08)*	9E-08	*(7E-09, 1E-07)*	3E-07	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	7E-11	*(1E-11, 2E-10)*	1E-10	*(3E-11, 5E-10)*	1E-09	*
CADMIUM	5E-11	*(3E-11, 9E-11)*	1E-09	*(2E-10, 3E-09)*	5E-09	*(1E-09, 7E-09)*	4E-08	*(2E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 5E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(4E-10, 3E-09)*	8E-09	*(6E-09, 9E-09)*
Additive Risk	5E-10	*(3E-10, 3E-09)*	4E-08	*(6E-09, 1E-07)*	1E-07	*(2E-08, 2E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(5E-08, 1E-06)*	9E-04	*(6E-06, 2E-03)*	2E-03	*(5E-05, 4E-03)*	6E-03	*(1E-03, 7E-03)*
ARSENIC	5E-07	*(1E-07, 6E-06)*	2E-04	*(3E-05, 7E-04)*	7E-04	*(9E-05, 2E-03)*	5E-03	*
BARIUM	4E-08	*(7E-09, 1E-07)*	2E-06	*(9E-07, 6E-06)*	9E-06	*(2E-06, 1E-05)*	4E-05	*(1E-05, 5E-05)*
BERYLLIUM	9E-09	*(4E-09, 2E-08)*	2E-07	*(4E-08, 5E-07)*	6E-07	*(1E-07, 1E-06)*	6E-06	*
CADMIUM	7E-06	*(2E-06, 2E-05)*	2E-04	*(5E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	6E-03	*(2E-03, 8E-03)*
CHROMIUM (III)	2E-09	*(7E-10, 2E-08)*	4E-07	*(6E-08, 9E-07)*	1E-06	*(2E-07, 2E-06)*	4E-06	*(3E-06, 4E-06)*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	2E-06	*(9E-07, 5E-06)*	6E-06	*(1E-06, 2E-05)*	4E-05	*
COBALT	7E-08	*(3E-08, 1E-07)*	1E-06	*(3E-07, 3E-06)*	4E-06	*(9E-07, 6E-06)*	1E-05	*(7E-06, 2E-05)*
MANGANESE	6E-08	*(2E-08, 1E-07)*	9E-07	*(3E-07, 2E-06)*	3E-06	*(7E-07, 4E-06)*	8E-06	*(5E-06, 9E-06)*
MERCURY (DIVALENT)	5E-05	*(2E-05, 3E-04)*	5E-03	*(8E-04, 2E-02)*	1E-02	*(2E-03, 4E-02)*	1E-01	*
MERCURY (METHYL)	2E-04	*(3E-05, 9E-04)*	3E-02	*(1E-03, 4E-02)*	4E-02	*(3E-03, 4E-02)*	8E-02	*
NICKEL	9E-08	*(3E-08, 4E-07)*	5E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 4E-05)*	2E-04	*(9E-05, 2E-04)*
SELENIUM	5E-06	*(6E-07, 1E-05)*	3E-04	*(6E-05, 4E-04)*	6E-04	*(2E-04, 9E-04)*	3E-03	*(1E-03, 6E-03)*
SILVER	8E-07	*(2E-07, 4E-06)*	5E-05	*(1E-05, 1E-04)*	1E-04	*(3E-05, 2E-04)*	7E-04	*(2E-04, 8E-04)*
THALLIUM	5E-06	*(1E-06, 1E-05)*	1E-03	*(7E-05, 3E-03)*	5E-03	*(1E-03, 9E-03)*	7E-02	*(2E-02, 8E-02)*
Hazard Index	4E-04	*(1E-04, 4E-03)*	4E-02	*(7E-03, 6E-02)*	6E-02	*(2E-02, 1E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	2E-04	*(1E-05, 7E-04)*	6E-04	*(6E-05, 2E-03)*	4E-03	*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-04	*(3E-04, 5E-03)*	1E-01	*(1E-02, 3E-01)*	4E-01	*(6E-02, 8E-01)*	1	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B36. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(7E-09, 2E-08)*	1E-07	*(4E-08, 4E-07)*	4E-07	*	*	*
ARSENIC	9E-12	*(3E-12, 1E-10)*	3E-09	*(2E-10, 5E-09)*	6E-09	*(9E-10, 7E-09)*	*	*
Additive Risk	8E-09	*(7E-09, 3E-08)*	1E-07	*(4E-08, 4E-07)*	5E-07	*(8E-08, 7E-07)*	9E-07	*(2E-07, 9E-07)*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 7E-11)*	1E-09	*(1E-10, 4E-09)*	3E-09	*(4E-10, 1E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	2E-08	*(5E-10, 9E-08)*	9E-08	*(5E-09, 2E-07)*	3E-07	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	8E-11	*(1E-11, 3E-10)*	2E-10	*(3E-11, 7E-10)*	1E-09	*
CADMIUM	4E-11	*(2E-11, 7E-11)*	2E-09	*(1E-10, 4E-09)*	5E-09	*(5E-10, 1E-08)*	5E-08	*(2E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 6E-09)*	6E-09	*(2E-09, 2E-08)*	2E-08	*
NICKEL	1E-11	*(5E-12, 5E-11)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(3E-10, 3E-09)*	8E-09	*(5E-09, 9E-09)*
Additive Risk	4E-10	*(3E-10, 2E-09)*	4E-08	*(2E-09, 1E-07)*	1E-07	*(1E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(7E-09, 1E-07)*	8E-06	*	*	*	*	*
ARSENIC	1E-07	*(6E-08, 4E-06)*	6E-05	*(5E-06, 9E-05)*	9E-05	*(1E-05, 1E-04)*	*	*
BARIUM	3E-09	*(5E-10, 1E-08)*	2E-07	*(9E-08, 5E-07)*	7E-07	*(1E-07, 1E-06)*	3E-06	*(9E-07, 4E-06)*
BERYLLIUM	2E-08	*(7E-09, 4E-08)*	2E-07	*(7E-08, 4E-07)*	4E-07	*(1E-07, 9E-07)*	2E-06	*
CADMIUM	6E-06	*(2E-06, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 6E-04)*	*	*
CHROMIUM (III)	8E-11	*(3E-11, 8E-10)*	2E-08	*(1E-09, 4E-08)*	6E-08	*(9E-09, 9E-08)*	2E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	7E-09	*(4E-09, 1E-08)*	7E-08	*(3E-08, 9E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*
COBALT	3E-10	*(1E-10, 5E-10)*	5E-09	*(1E-09, 1E-08)*	1E-08	*(2E-09, 2E-08)*	5E-08	*(2E-08, 6E-08)*
MANGANESE	6E-09	*(7E-10, 8E-09)*	7E-08	*(9E-09, 3E-07)*	3E-07	*(1E-08, 3E-07)*[A]	4E-07	*
MERCURY (DIVALENT)	3E-08	*(1E-08, 1E-06)*	3E-05	*(2E-06, 6E-05)*	6E-05	*(9E-06, 1E-04)*	3E-04	*
MERCURY (METHYL)	2E-05	*(6E-06, 6E-05)*	5E-03	*(1E-04, 4E-02)*	3E-02	*(5E-04, 8E-02)*	*	*
NICKEL	7E-09	*(3E-09, 9E-09)*	6E-07	*(8E-08, 7E-07)*	7E-07	*(9E-08, 9E-07)*	1E-06	*(5E-07, 2E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	7E-10	*(4E-11, 9E-10)*	2E-08	*	*	*	*	*
THALLIUM	1E-06	*(3E-07, 2E-06)*	1E-04	*(4E-05, 2E-04)*	4E-04	*(7E-05, 9E-04)*	*	*
Hazard Index	8E-05	*(4E-05, 4E-04)*	1E-02	*(4E-04, 9E-02)*	9E-02	*(4E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	2E-04	*(4E-06, 1E-03)*	8E-04	*(9E-06, 2E-03)*	5E-03	*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 8E-03)*	8E-03	*(1E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-04	*(2E-04, 7E-04)*	5E-03	*(1E-03, 1E-02)*	1E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B37. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(4E-09, 7E-08)*	2E-06	*(2E-07, 4E-06)*	5E-06	*(8E-07, 9E-06)*	**2E-05**	*
ARSENIC	1E-11	*(3E-12, 2E-10)*	6E-09	*(9E-10, 2E-08)*	2E-08	*(3E-09, 8E-08)*	1E-07	*
Additive Risk	1E-08	*(4E-09, 9E-08)*	2E-06	*(2E-07, 4E-06)*	5E-06	*(8E-07, 1E-05)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 8E-11)*	2E-09	*(2E-10, 4E-09)*	5E-09	*(8E-10, 1E-08)*	1E-08	*
ARSENIC	2E-11	*(1E-11, 4E-10)*	1E-08	*(1E-09, 5E-08)*	6E-08	*(5E-09, 9E-08)*	2E-07	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	4E-11	*(1E-11, 1E-10)*	1E-10	*(2E-11, 3E-10)*	8E-10	*
CADMIUM	3E-11	*(2E-11, 6E-11)*	8E-10	*(1E-10, 2E-09)*	3E-09	*(6E-10, 5E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	1E-09	*(6E-10, 3E-09)*	4E-09	*(1E-09, 9E-09)*	1E-08	*
NICKEL	1E-11	*(3E-12, 3E-11)*	3E-10	*(1E-10, 8E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*(4E-09, 5E-09)*
Additive Risk	3E-10	*(2E-10, 2E-09)*	2E-08	*(4E-09, 6E-08)*	7E-08	*(1E-08, 1E-07)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 7E-07)*	4E-04	*(3E-06, 1E-03)*	1E-03	*(3E-05, 2E-03)*	3E-03	*(7E-04, 4E-03)*
ARSENIC	2E-07	*(6E-08, 3E-06)*	1E-04	*(1E-05, 3E-04)*	4E-04	*(6E-05, 1E-03)*	2E-03	*
BARIUM	2E-08	*(3E-09, 8E-08)*	1E-06	*(5E-07, 3E-06)*	4E-06	*(9E-07, 7E-06)*	2E-05	*(6E-06, 2E-05)*
BERYLLIUM	5E-09	*(2E-09, 1E-08)*	1E-07	*(2E-08, 3E-07)*[A]	3E-07	*(6E-08, 6E-07)*	2E-06	*
CADMIUM	4E-06	*(1E-06, 9E-06)*	9E-05	*(3E-05, 2E-04)*	3E-04	*(8E-05, 6E-04)*	3E-03	*(8E-04, 4E-03)*
CHROMIUM (III)	9E-10	*(3E-10, 9E-09)*	2E-07	*(3E-08, 4E-07)*	6E-07	*(1E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
CHROMIUM (VI)	5E-08	*(3E-08, 9E-08)*	7E-07	*(4E-07, 2E-06)*	3E-06	*(6E-07, 7E-06)*	2E-05	*
COBALT	3E-08	*(1E-08, 7E-08)*	7E-07	*(1E-07, 1E-06)*	2E-06	*(5E-07, 2E-06)*	7E-06	*(3E-06, 8E-06)*
MANGANESE	3E-08	*(1E-08, 6E-08)*	5E-07	*(1E-07, 1E-06)*	1E-06	*(3E-07, 2E-06)*	5E-06	*(2E-06, 6E-06)*
MERCURY (DIVALENT)	2E-05	*(9E-06, 2E-04)*	2E-03	*(4E-04, 8E-03)*	8E-03	*(9E-04, 2E-02)*	5E-02	*
MERCURY (METHYL)	9E-05	*(1E-05, 5E-04)*	1E-02	*(9E-04, 2E-02)*	2E-02	*(1E-03, 2E-02)*	4E-02	*
NICKEL	5E-08	*(2E-08, 2E-07)*	2E-06	*(9E-07, 7E-06)*	1E-05	*(2E-06, 2E-05)*	9E-05	*(5E-05, 9E-05)*
SELENIUM	2E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(6E-04, 3E-03)*
SILVER	4E-07	*(9E-08, 2E-06)*	2E-05	*(6E-06, 5E-05)*	6E-05	*(1E-05, 1E-04)*	3E-04	*(1E-04, 4E-04)*
THALLIUM	2E-06	*(7E-07, 7E-06)*	7E-04	*(3E-05, 1E-03)*	2E-03	*(6E-04, 4E-03)*	4E-02	*(9E-03, 6E-02)*
Hazard Index	2E-04	*(6E-05, 2E-03)*	2E-02	*(3E-03, 3E-02)*	3E-02	*(1E-02, 8E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	2E-04	*(1E-05, 7E-04)*	6E-04	*(6E-05, 2E-03)*	4E-03	*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 2E-03)*	6E-02	*(5E-03, 1E-01)*	1E-01	*(2E-02, 3E-01)*	5E-01	*
TCDD-TEQ	4E-04	*(1E-04, 3E-03)*	8E-02	*(6E-03, 1E-01)*	2E-01	*(3E-02, 4E-01)*	6E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B38. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(5E-09, 1E-08)*	9E-08	*(3E-08, 2E-07)*	3E-07	*(5E-08, 5E-07)*	6E-07	*(1E-07, 6E-07)*
ARSENIC	7E-12	*(2E-12, 1E-10)*	2E-09	*(2E-10, 3E-09)*	4E-09	*(5E-10, 5E-09)*	9E-09	*(5E-09, 1E-08)*
Additive Risk	7E-09	*(5E-09, 2E-08)*	1E-07	*(3E-08, 3E-07)*	3E-07	*(5E-08, 5E-07)*	6E-07	*(1E-07, 6E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 5E-11)*	9E-10	*(6E-11, 3E-09)*	2E-09	*(2E-10, 7E-09)*	1E-08	*
ARSENIC	2E-11	*(9E-12, 1E-10)*	2E-08	*(3E-10, 6E-08)*	6E-08	*(3E-09, 2E-07)*	2E-07	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	5E-11	*(9E-12, 2E-10)*	1E-10	*(2E-11, 4E-10)*	8E-10	*
CADMIUM	3E-11	*(1E-11, 4E-11)*	1E-09	*(7E-11, 3E-09)*	4E-09	*(3E-10, 7E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(6E-10, 4E-09)*	4E-09	*(1E-09, 1E-08)*	1E-08	*
NICKEL	9E-12	*(3E-12, 3E-11)*	4E-10	*(1E-10, 8E-10)*	1E-09	*(2E-10, 2E-09)*	5E-09	*(3E-09, 6E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	3E-08	*(2E-09, 7E-08)*	7E-08	*(8E-09, 2E-07)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-09	*(4E-09, 7E-08)*	5E-06	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 2E-06)*	4E-05	*(3E-06, 7E-05)*	8E-05	*(9E-06, 9E-05)*	*	*
BARIUM	1E-09	*(3E-10, 7E-09)*	1E-07	*(4E-08, 3E-07)*	3E-07	*(7E-08, 6E-07)*	1E-06	*(4E-07, 2E-06)*
BERYLLIUM	1E-08	*(4E-09, 2E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(9E-08, 6E-07)*	1E-06	*
CADMIUM	4E-06	*(8E-07, 6E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(1E-04, 5E-04)*	*	*
CHROMIUM (III)	5E-11	*(1E-11, 4E-10)*	9E-09	*(9E-10, 2E-08)*	3E-08	*(5E-09, 6E-08)*	9E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 8E-09)*	3E-08	*(2E-08, 7E-08)*	7E-08	*(2E-08, 8E-08)*	8E-08	*
COBALT	1E-09	*(1E-10, 2E-09)*	1E-08	*(2E-09, 7E-08)*	7E-08	*(3E-09, 8E-08)*	8E-08	*
MANGANESE	3E-09	*(4E-10, 5E-09)*	4E-08	*(6E-09, 1E-07)*	1E-07	*(9E-09, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	2E-08	*(7E-09, 9E-07)*	1E-05	*(1E-06, 3E-05)*	3E-05	*(5E-06, 8E-05)*	1E-04	*
MERCURY (METHYL)	2E-05	*(6E-06, 5E-05)*	4E-03	*(1E-04, 3E-02)*	2E-02	*(4E-04, 6E-02)*	*	*
NICKEL	4E-09	*(2E-09, 6E-09)*	4E-07	*(5E-08, 5E-07)*	5E-07	*(7E-08, 5E-07)*	9E-07	*(4E-07, 1E-06)*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	5E-10	*(2E-11, 6E-10)*	1E-08	*	*	*	*	*
THALLIUM	9E-07	*(2E-07, 1E-06)*	1E-04	*(2E-05, 2E-04)*	3E-04	*(5E-05, 8E-04)*	*	*
Hazard Index	6E-05	*(3E-05, 3E-04)*	7E-03	*(3E-04, 6E-02)*	6E-02	*(3E-03, 1E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	2E-04	*(4E-06, 1E-03)*	8E-04	*(9E-06, 2E-03)*	5E-03	*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 8E-03)*	8E-03	*(1E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(1E-04, 6E-04)*	3E-03	*(8E-04, 7E-03)*	8E-03	*	*	*
TCDD-TEQ	2E-04	*(2E-04, 8E-04)*	4E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B39. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(5E-09, 8E-08)*	3E-06	*(2E-07, 5E-06)*	6E-06	*(9E-07, 1E-05)*	**2E-05**	*
ARSENIC	3E-11	*(7E-12, 4E-10)*	1E-08	*(1E-09, 3E-08)*	4E-08	*(6E-09, 1E-07)*	2E-07	*
Additive Risk	1E-08	*(5E-09, 1E-07)*	3E-06	*(2E-07, 5E-06)*	6E-06	*(1E-06, 1E-05)*	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 1E-10)*	3E-09	*(3E-10, 6E-09)*	8E-09	*(1E-09, 1E-08)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 6E-10)*	2E-08	*(2E-09, 8E-08)*	8E-08	*(7E-09, 1E-07)*	3E-07	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	7E-11	*(1E-11, 2E-10)*	1E-10	*(3E-11, 5E-10)*	1E-09	*
CADMIUM	4E-11	*(2E-11, 9E-11)*	1E-09	*(1E-10, 3E-09)*	5E-09	*(9E-10, 7E-09)*	4E-08	*(2E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 5E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(4E-10, 3E-09)*	7E-09	*(6E-09, 8E-09)*
Additive Risk	5E-10	*(3E-10, 2E-09)*	3E-08	*(6E-09, 9E-08)*	1E-07	*(2E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 5E-07)*	3E-04	*(2E-06, 1E-03)*	1E-03	*(2E-05, 2E-03)*	3E-03	*(4E-04, 3E-03)*
ARSENIC	3E-07	*(6E-08, 4E-06)*	1E-04	*(1E-05, 3E-04)*	3E-04	*(6E-05, 8E-04)*	2E-03	*
BARIUM	1E-08	*(2E-09, 4E-08)*	6E-07	*(2E-07, 1E-06)*	2E-06	*(4E-07, 3E-06)*	8E-06	*(4E-06, 9E-06)*
BERYLLIUM	4E-09	*(1E-09, 9E-09)*	9E-08	*(2E-08, 2E-07)*	2E-07	*(5E-08, 5E-07)*	2E-06	*
CADMIUM	4E-06	*(1E-06, 1E-05)*	9E-05	*(3E-05, 2E-04)*	3E-04	*(9E-05, 6E-04)*	3E-03	*(9E-04, 4E-03)*
CHROMIUM (III)	7E-10	*(1E-10, 5E-09)*	9E-08	*(1E-08, 2E-07)*	3E-07	*(7E-08, 7E-07)*	1E-06	*(8E-07, 1E-06)*
CHROMIUM (VI)	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 1E-06)*	1E-06	*(3E-07, 5E-06)*	9E-06	*
COBALT	2E-08	*(9E-09, 5E-08)*	4E-07	*(9E-08, 8E-07)*	9E-07	*(3E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*
MANGANESE	2E-08	*(9E-09, 4E-08)*	4E-07	*(8E-08, 8E-07)*	9E-07	*(2E-07, 1E-06)*	3E-06	*(1E-06, 3E-06)*
MERCURY (DIVALENT)	1E-05	*(7E-06, 9E-05)*	2E-03	*(2E-04, 6E-03)*	6E-03	*(7E-04, 2E-02)*	4E-02	*
MERCURY (METHYL)	1E-04	*(9E-06, 3E-04)*	9E-03	*(8E-04, 1E-02)*	2E-02	*(1E-03, 2E-02)*	2E-02	*
NICKEL	3E-08	*(1E-08, 1E-07)*	1E-06	*(6E-07, 4E-06)*	6E-06	*(1E-06, 9E-06)*	5E-05	*(3E-05, 5E-05)*
SELENIUM	3E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	2E-07	*(5E-08, 8E-07)*	9E-06	*(3E-06, 2E-05)*	3E-05	*(7E-06, 6E-05)*	1E-04	*(4E-05, 2E-04)*
THALLIUM	2E-06	*(6E-07, 7E-06)*	7E-04	*(3E-05, 1E-03)*	2E-03	*(6E-04, 3E-03)*	3E-02	*(8E-03, 5E-02)*
Hazard Index	2E-04	*(3E-05, 2E-03)*	2E-02	*(3E-03, 2E-02)*	2E-02	*(1E-02, 5E-02)*	7E-02	*(2E-02, 9E-02)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	2E-04	*(1E-05, 7E-04)*	6E-04	*(6E-05, 2E-03)*	4E-03	*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(8E-05, 1E-03)*	4E-02	*(3E-03, 9E-02)*	9E-02	*(2E-02, 2E-01)*	3E-01	*
TCDD-TEQ	2E-04	*(9E-05, 1E-03)*	5E-02	*(4E-03, 9E-02)*	1E-01	*(2E-02, 2E-01)*	4E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B40. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(8E-09, 3E-08)*	2E-07	*(6E-08, 5E-07)*	5E-07	*	*	*
ARSENIC	1E-11	*(4E-12, 2E-10)*	4E-09	*(3E-10, 5E-09)*	7E-09	*(9E-10, 9E-09)*	*	*
Additive Risk	1E-08	*(8E-09, 4E-08)*	2E-07	*(6E-08, 6E-07)*	6E-07	*(1E-07, 9E-07)*	1E-06	*(3E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 5E-11)*	9E-10	*(6E-11, 3E-09)*	2E-09	*(2E-10, 7E-09)*	1E-08	*
ARSENIC	2E-11	*(9E-12, 1E-10)*	2E-08	*(3E-10, 6E-08)*	6E-08	*(3E-09, 2E-07)*	2E-07	*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	5E-11	*(9E-12, 2E-10)*	1E-10	*(2E-11, 4E-10)*	8E-10	*
CADMIUM	3E-11	*(1E-11, 4E-11)*	1E-09	*(7E-11, 3E-09)*	3E-09	*(3E-10, 7E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(5E-10, 4E-09)*	4E-09	*(1E-09, 1E-08)*	1E-08	*
NICKEL	9E-12	*(3E-12, 3E-11)*	4E-10	*(1E-10, 7E-10)*	1E-09	*(2E-10, 2E-09)*	5E-09	*(3E-09, 5E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	3E-08	*(2E-09, 7E-08)*	7E-08	*(8E-09, 2E-07)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-09	*(2E-09, 8E-08)*	4E-06	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 2E-06)*	4E-05	*(3E-06, 5E-05)*	6E-05	*(8E-06, 8E-05)*	*	*
BARIUM	7E-10	*(2E-10, 3E-09)*	9E-08	*(1E-08, 1E-07)*	1E-07	*(3E-08, 2E-07)*	7E-07	*(2E-07, 8E-07)*
BERYLLIUM	1E-08	*(2E-09, 2E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(5E-08, 2E-07)*	7E-07	*
CADMIUM	4E-06	*(9E-07, 5E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(1E-04, 5E-04)*	*	*
CHROMIUM (III)	3E-11	*(7E-12, 1E-10)*	4E-09	*(5E-10, 9E-09)*	1E-08	*(2E-09, 2E-08)*	4E-08	*(3E-08, 4E-08)*
CHROMIUM (VI)	4E-09	*(2E-09, 8E-09)*	2E-08	*	*	*	*	*
COBALT	8E-10	*(4E-11, 2E-09)*	7E-09	*(2E-09, 5E-08)*	5E-08	*(3E-09, 7E-08)*	9E-08	*
MANGANESE	3E-09	*(2E-10, 5E-09)*	2E-08	*(5E-09, 1E-07)*	1E-07	*(8E-09, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	8E-09	*(3E-09, 4E-07)*	7E-06	*(6E-07, 1E-05)*	1E-05	*(2E-06, 3E-05)*	6E-05	*
MERCURY (METHYL)	2E-05	*(6E-06, 5E-05)*	4E-03	*(1E-04, 3E-02)*	2E-02	*(4E-04, 6E-02)*	*	*
NICKEL	4E-09	*(2E-09, 6E-09)*	4E-07	*(4E-08, 5E-07)*	5E-07	*(6E-08, 6E-07)*	*	*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	3E-10	*(9E-12, 6E-10)*	1E-08	*	*	*	*	*
THALLIUM	9E-07	*(2E-07, 1E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(5E-05, 8E-04)*	*	*
Hazard Index	4E-05	*(3E-05, 3E-04)*	7E-03	*(3E-04, 6E-02)*	6E-02	*(3E-03, 1E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(1E-07, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*(7E-05, 2E-04)*
CHLORINE (CL2)	4E-05	*(2E-05, 1E-04)*	1E-03	*(3E-04, 4E-03)*	4E-03	*(4E-04, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-05	*(4E-06, 5E-05)*	3E-04	*(8E-05, 4E-04)*	4E-04	*(2E-04, 8E-04)*	2E-03	*
MANGANESE	3E-05	*(2E-05, 5E-05)*	3E-04	*(1E-04, 5E-04)*	6E-04	*(1E-04, 7E-04)*	2E-03	*(8E-04, 2E-03)*
MERCURY (ELEMENTAL)	9E-07	*(5E-07, 2E-06)*	1E-04	*(3E-06, 7E-04)*	5E-04	*(6E-06, 2E-03)*	3E-03	*
Hazard Index	2E-04	*(1E-04, 3E-04)*	2E-03	*(5E-04, 5E-03)*	5E-03	*(7E-04, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 6E-04)*	3E-03	*(9E-04, 8E-03)*	9E-03	*	*	*
TCDD-TEQ	2E-04	*(2E-04, 8E-04)*	3E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B41. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-07	*(4E-07, 2E-06)*	**1E-05**	***(9E-06, 2E-05)***	**3E-05**	***(2E-05, 4E-05)***	**6E-05**	*****
ARSENIC	9E-10	*(3E-10, 2E-09)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(2E-08, 2E-07)*	4E-07	*
Additive Risk	1E-06	*(4E-07, 2E-06)*	**2E-05**	***(9E-06, 3E-05)***	**3E-05**	***(2E-05, 4E-05)***	**6E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	6E-10	*(2E-10, 1E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 5E-08)*
ARSENIC	1E-09	*(5E-10, 3E-09)*	4E-08	*(1E-08, 8E-08)*	1E-07	*(2E-08, 2E-07)*	3E-07	*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	3E-10	*(8E-11, 9E-10)*	1E-09	*(2E-10, 2E-09)*	5E-09	*(1E-09, 6E-09)*
CADMIUM	1E-10	*(1E-10, 2E-10)*	3E-09	*(2E-09, 3E-09)*	6E-09	*(6E-09, 7E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	4E-11	*(3E-11, 6E-11)*	8E-10	*(6E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	7E-09	*(7E-09, 7E-09)*
Additive Risk	5E-09	*(3E-09, 8E-09)*	6E-08	*(2E-08, 9E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(1E-06, 4E-05)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 9E-03)*	1E-02	*
ARSENIC	2E-05	*(9E-06, 6E-05)*	7E-04	*(3E-04, 1E-03)*	2E-03	*(6E-04, 4E-03)*	*	*
BARIUM	7E-07	*(3E-07, 9E-07)*	1E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	1E-04	*(9E-05, 1E-04)*
BERYLLIUM	8E-08	*(4E-08, 1E-07)*	2E-06	*(8E-07, 5E-06)*	7E-06	*(1E-06, 1E-05)*	3E-05	*
CADMIUM	3E-05	*(2E-05, 4E-05)*	5E-04	*(4E-04, 6E-04)*	1E-03	*(1E-03, 1E-03)*	*	*
CHROMIUM (III)	9E-08	*(6E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(2E-06, 5E-06)*	8E-06	*(8E-06, 8E-06)*
CHROMIUM (VI)	4E-07	*(2E-07, 7E-07)*	7E-06	*(2E-06, 1E-05)*	2E-05	*(7E-06, 6E-05)*	*	*
COBALT	5E-07	*(3E-07, 8E-07)*	7E-06	*(5E-06, 8E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(2E-05, 3E-05)*
MANGANESE	4E-07	*(2E-07, 7E-07)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(6E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MERCURY (DIVALENT)	1E-03	*(5E-04, 2E-03)*	1E-02	*(7E-03, 5E-02)*	5E-02	*(9E-03, 1E-01)*	2E-01	*
MERCURY (METHYL)	2E-03	*(1E-03, 4E-03)*	4E-02	*(1E-02, 5E-02)*	5E-02	*(3E-02, 8E-02)*	*	*
NICKEL	7E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	7E-05	*(6E-05, 8E-05)*	3E-04	*(3E-04, 3E-04)*
SELENIUM	5E-05	*(2E-05, 8E-05)*	6E-04	*(5E-04, 9E-04)*	1E-03	*(1E-03, 2E-03)*	9E-03	*(8E-03, 9E-03)*
SILVER	1E-05	*(7E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	4E-04	*(3E-04, 6E-04)*	1E-03	*(1E-03, 2E-03)*
THALLIUM	1E-04	*(4E-05, 3E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(1E-02, 1E-02)*	1E-01	*(1E-01, 2E-01)*
Hazard Index	8E-03	*(5E-03, 2E-02)*	6E-02	*(5E-02, 1E-01)*	1E-01	*(6E-02, 3E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 4E-05)*	4E-04	*(2E-04, 1E-03)*	1E-03	*(2E-04, 3E-03)*	5E-03	*
Hazard Index	1E-03	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-02	*(1E-02, 9E-02)*	9E-01	*(4E-01, 1)*	**1**	***(9E-01, 2)***	**3**	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B42. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(6E-07, 2E-06)*	*	*
ARSENIC	4E-10	*(9E-11, 1E-09)*	7E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	6E-08	*(3E-08, 1E-07)*	7E-07	*(5E-07, 1E-06)*	1E-06	*(7E-07, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(2E-10, 9E-10)*	7E-09	*(3E-09, 2E-08)*	2E-08	*(8E-09, 2E-08)*	3E-08	*
ARSENIC	1E-09	*(5E-10, 5E-09)*	4E-08	*(1E-08, 1E-07)*	1E-07	*(3E-08, 2E-07)*	3E-07	*
BERYLLIUM	1E-11	*(9E-12, 4E-11)*	3E-10	*(1E-10, 1E-09)*	1E-09	*(2E-10, 3E-09)*	5E-09	*(1E-09, 6E-09)*
CADMIUM	1E-10	*(1E-10, 3E-10)*	4E-09	*(2E-09, 4E-09)*	9E-09	*(6E-09, 1E-08)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 6E-10)*	5E-09	*(2E-09, 7E-09)*	1E-08	*(4E-09, 1E-08)*	2E-08	*
NICKEL	3E-11	*(2E-11, 5E-11)*	1E-09	*(6E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	7E-09	*(7E-09, 8E-09)*
Additive Risk	5E-09	*(3E-09, 1E-08)*	8E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 3E-06)*	*	*	*	*	*	*
ARSENIC	9E-06	*(2E-06, 3E-05)*	2E-04	*(1E-04, 3E-04)*	3E-04	*(2E-04, 4E-04)*	7E-04	*
BARIUM	1E-07	*(8E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	9E-06	*(8E-06, 1E-05)*
BERYLLIUM	1E-07	*(6E-08, 2E-07)*	2E-06	*(8E-07, 9E-06)*	1E-05	*(1E-06, 3E-05)*	5E-05	*(9E-06, 7E-05)*
CADMIUM	8E-06	*(4E-06, 1E-05)*	4E-04	*(1E-04, 6E-04)*	7E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	9E-09	*(7E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(7E-07, 7E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*(9E-08, 2E-07)*	5E-07	*
COBALT	4E-09	*(2E-09, 6E-09)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(6E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*
MANGANESE	3E-08	*(1E-08, 6E-08)*	6E-07	*(2E-07, 9E-07)*	9E-07	*	*	*
MERCURY (DIVALENT)	1E-05	*(8E-06, 2E-05)*	1E-04	*(8E-05, 4E-04)*	4E-04	*(1E-04, 8E-04)*	1E-03	*
MERCURY (METHYL)	3E-04	*(9E-05, 9E-04)*	1E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	2E-08	*(1E-08, 3E-08)*	1E-06	*(4E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	2E-09	*(6E-10, 8E-09)*	1E-06	*(2E-08, 2E-06)*	2E-06	*	*	*
THALLIUM	9E-06	*(2E-06, 8E-05)*	4E-04	*(3E-04, 8E-04)*	2E-03	*(8E-04, 3E-03)*	*	*
Hazard Index	1E-03	*(5E-04, 4E-03)*	2E-02	*(8E-03, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-06	*(3E-06, 3E-05)*	5E-04	*(1E-04, 1E-03)*	1E-03	*(2E-04, 4E-03)*	5E-03	*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 4E-03)*	3E-02	*(2E-02, 5E-02)*	5E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B43. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-07	*(3E-07, 1E-06)*	1E-05	*(7E-06, 2E-05)*	**2E-05**	***(1E-05, 3E-05)***	**5E-05**	*****
ARSENIC	9E-10	*(3E-10, 2E-09)*	3E-08	*(1E-08, 5E-08)*	7E-08	*(2E-08, 2E-07)*	4E-07	*
Additive Risk	9E-07	*(3E-07, 2E-06)*	**1E-05**	***(7E-06, 2E-05)***	**2E-05**	***(2E-05, 3E-05)***	**5E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	7E-10	*(2E-10, 1E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 5E-08)*
ARSENIC	1E-09	*(6E-10, 3E-09)*	4E-08	*(1E-08, 9E-08)*	1E-07	*(3E-08, 3E-07)*	3E-07	*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	3E-10	*(9E-11, 1E-09)*	1E-09	*(2E-10, 2E-09)*	6E-09	*(1E-09, 7E-09)*
CADMIUM	2E-10	*(1E-10, 3E-10)*	3E-09	*(3E-09, 4E-09)*	7E-09	*(6E-09, 8E-09)*	6E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
NICKEL	5E-11	*(3E-11, 7E-11)*	9E-10	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	8E-09	*(8E-09, 9E-09)*
Additive Risk	6E-09	*(3E-09, 9E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-06	*(9E-07, 3E-05)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	7E-03	*
ARSENIC	1E-05	*(6E-06, 4E-05)*	5E-04	*(2E-04, 9E-04)*	1E-03	*(4E-04, 3E-03)*	6E-03	*
BARIUM	3E-07	*(1E-07, 5E-07)*	9E-06	*(5E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	5E-05	*(5E-05, 5E-05)*
BERYLLIUM	3E-08	*(1E-08, 6E-08)*	8E-07	*(3E-07, 2E-06)*	3E-06	*(7E-07, 7E-06)*	*	*
CADMIUM	2E-05	*(1E-05, 3E-05)*	4E-04	*(3E-04, 5E-04)*	9E-04	*(9E-04, 1E-03)*	8E-03	*(7E-03, 8E-03)*
CHROMIUM (III)	5E-08	*(3E-08, 7E-08)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(4E-06, 4E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	4E-06	*(1E-06, 8E-06)*	9E-06	*(4E-06, 3E-05)*	5E-05	*
COBALT	3E-07	*(2E-07, 5E-07)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(5E-06, 6E-06)*	2E-05	*(1E-05, 2E-05)*
MANGANESE	2E-07	*(1E-07, 4E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	9E-06	*(8E-06, 9E-06)*
MERCURY (DIVALENT)	7E-04	*(3E-04, 1E-03)*	9E-03	*(4E-03, 3E-02)*	3E-02	*(6E-03, 8E-02)*	1E-01	*
MERCURY (METHYL)	1E-03	*(9E-04, 2E-03)*	3E-02	*(7E-03, 4E-02)*	4E-02	*(2E-02, 6E-02)*	9E-02	*
NICKEL	4E-07	*(3E-07, 8E-07)*	1E-05	*(6E-06, 1E-05)*	4E-05	*(3E-05, 4E-05)*	2E-04	*(2E-04, 2E-04)*
SELENIUM	4E-05	*(2E-05, 6E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(9E-04, 1E-03)*	6E-03	*(5E-03, 6E-03)*
SILVER	6E-06	*(3E-06, 9E-06)*	9E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(6E-04, 8E-04)*
THALLIUM	9E-05	*(3E-05, 2E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(8E-03, 1E-02)*	8E-02	*(8E-02, 8E-02)*
Hazard Index	5E-03	*(3E-03, 1E-02)*	5E-02	*(3E-02, 6E-02)*	9E-02	*(4E-02, 2E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 4E-05)*	4E-04	*(2E-04, 1E-03)*	1E-03	*(2E-04, 3E-03)*	5E-03	*
Hazard Index	1E-03	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-02	*(9E-03, 6E-02)*	5E-01	*(2E-01, 7E-01)*	8E-01	*(6E-01, 9E-01)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B44. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(4E-08, 9E-08)*	9E-07	*(6E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	3E-06	*
ARSENIC	3E-10	*(7E-11, 9E-10)*	6E-09	*(4E-09, 7E-09)*	8E-09	*(7E-09, 1E-08)*	*	*
Additive Risk	8E-08	*(4E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 3E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(2E-10, 1E-09)*	9E-09	*(3E-09, 2E-08)*	2E-08	*(9E-09, 2E-08)*	4E-08	*
ARSENIC	1E-09	*(6E-10, 5E-09)*	5E-08	*(2E-08, 1E-07)*	1E-07	*(3E-08, 3E-07)*	3E-07	*
BERYLLIUM	2E-11	*(1E-11, 4E-11)*	4E-10	*(1E-10, 1E-09)*	1E-09	*(2E-10, 3E-09)*	6E-09	*(1E-09, 7E-09)*
CADMIUM	2E-10	*(1E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(7E-09, 1E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	3E-10	*(1E-10, 7E-10)*	6E-09	*(2E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
NICKEL	4E-11	*(2E-11, 6E-11)*	1E-09	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	9E-09	*(8E-09, 9E-09)*
Additive Risk	6E-09	*(3E-09, 1E-08)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 2E-06)*	*	*	*	*	*	*
ARSENIC	6E-06	*(1E-06, 1E-05)*	9E-05	*(7E-05, 1E-04)*	1E-04	*(1E-04, 3E-04)*	*	*
BARIUM	3E-08	*(2E-08, 8E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*(3E-06, 4E-06)*
BERYLLIUM	5E-08	*(2E-08, 9E-08)*	6E-07	*(3E-07, 4E-06)*	4E-06	*(5E-07, 1E-05)*	3E-05	*(3E-06, 4E-05)*
CADMIUM	5E-06	*(3E-06, 9E-06)*	3E-04	*(1E-04, 6E-04)*	7E-04	*(7E-04, 7E-04)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	5E-08	*(3E-08, 7E-08)*	9E-08	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(7E-09, 1E-08)*	4E-08	*(3E-08, 8E-08)*	8E-08	*(4E-08, 9E-08)*	1E-07	*
COBALT	9E-10	*(5E-10, 1E-09)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*
MANGANESE	1E-08	*(5E-09, 2E-08)*	3E-07	*(6E-08, 4E-07)*[A]	4E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 6E-06)*	4E-05	*(2E-05, 8E-05)*	8E-05	*(3E-05, 2E-04)*	3E-04	*
MERCURY (METHYL)	3E-04	*(9E-05, 9E-04)*	1E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	9E-09	*(7E-09, 2E-08)*	7E-07	*(2E-07, 8E-07)*	8E-07	*(5E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	9E-10	*(2E-10, 5E-09)*	5E-07	*(1E-08, 9E-07)*	9E-07	*	*	*
THALLIUM	8E-06	*(1E-06, 6E-05)*	4E-04	*(2E-04, 8E-04)*	1E-03	*(7E-04, 2E-03)*	*	*
Hazard Index	8E-04	*(4E-04, 3E-03)*	2E-02	*(6E-03, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-06	*(3E-06, 3E-05)*	5E-04	*(1E-04, 1E-03)*	1E-03	*(2E-04, 4E-03)*	5E-03	*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 4E-03)*	3E-02	*(2E-02, 5E-02)*	5E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B45. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-07	*(1E-07, 8E-07)*	7E-06	*(3E-06, 9E-06)*	1E-05	*(8E-06, 1E-05)*	**2E-05**	*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-08	*(7E-09, 3E-08)*	4E-08	*(1E-08, 9E-08)*	2E-07	*
Additive Risk	4E-07	*(2E-07, 8E-07)*	7E-06	*(3E-06, 1E-05)*	**1E-05**	***(9E-06, 2E-05)***	**2E-05**	*
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(1E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
ARSENIC	7E-10	*(4E-10, 2E-09)*	3E-08	*(1E-08, 6E-08)*	7E-08	*(2E-08, 2E-07)*	2E-07	*
BERYLLIUM	8E-12	*(6E-12, 2E-11)*	2E-10	*(6E-11, 7E-10)*	8E-10	*(1E-10, 1E-09)*	4E-09	*(8E-10, 4E-09)*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(2E-09, 2E-09)*	4E-09	*(4E-09, 5E-09)*	4E-08	*(3E-08, 4E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	1E-08	*
NICKEL	3E-11	*(2E-11, 5E-11)*	6E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	4E-09	*(2E-09, 6E-09)*	5E-08	*(2E-08, 7E-08)*	8E-08	*(4E-08, 2E-07)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(5E-07, 1E-05)*	1E-03	*(4E-04, 1E-03)*	2E-03	*(8E-04, 2E-03)*	3E-03	*
ARSENIC	9E-06	*(3E-06, 2E-05)*	2E-04	*(1E-04, 5E-04)*	6E-04	*(2E-04, 1E-03)*	3E-03	*
BARIUM	1E-07	*(8E-08, 2E-07)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(5E-06, 8E-06)*	2E-05	*(2E-05, 2E-05)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	4E-07	*(1E-07, 9E-07)*	1E-06	*(3E-07, 3E-06)*	6E-06	*(2E-06, 9E-06)*
CADMIUM	1E-05	*(8E-06, 1E-05)*	2E-04	*(1E-04, 3E-04)*	6E-04	*(5E-04, 7E-04)*	4E-03	*(3E-03, 4E-03)*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	5E-07	*(3E-07, 6E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	9E-08	*(7E-08, 1E-07)*	2E-06	*(6E-07, 4E-06)*	5E-06	*(1E-06, 1E-05)*	3E-05	*
COBALT	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	8E-06	*(8E-06, 8E-06)*
MANGANESE	1E-07	*(6E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(6E-06, 6E-06)*
MERCURY (DIVALENT)	3E-04	*(1E-04, 7E-04)*	5E-03	*(2E-03, 1E-02)*	1E-02	*(3E-03, 3E-02)*	6E-02	*
MERCURY (METHYL)	9E-04	*(4E-04, 1E-03)*	1E-02	*(3E-03, 2E-02)*	2E-02	*(9E-03, 3E-02)*	4E-02	*
NICKEL	2E-07	*(1E-07, 4E-07)*	6E-06	*(3E-06, 8E-06)*	2E-05	*(1E-05, 2E-05)*	9E-05	*(9E-05, 9E-05)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	2E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	3E-06	*(1E-06, 5E-06)*	5E-05	*(2E-05, 7E-05)*	9E-05	*(6E-05, 1E-04)*	3E-04	*(3E-04, 4E-04)*
THALLIUM	5E-05	*(1E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(4E-03, 5E-03)*	5E-02	*(5E-02, 6E-02)*
Hazard Index	2E-03	*(2E-03, 5E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 8E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 4E-05)*	4E-04	*(2E-04, 1E-03)*	1E-03	*(2E-04, 3E-03)*	5E-03	*
Hazard Index	1E-03	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-03	*(4E-03, 2E-02)*	2E-01	*(9E-02, 2E-01)*	3E-01	*(2E-01, 4E-01)*	6E-01	*
TCDD-TEQ	1E-02	*(5E-03, 3E-02)*	2E-01	*(1E-01, 3E-01)*	4E-01	*(3E-01, 5E-01)*	8E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B46. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 9E-08)*	6E-07	*(4E-07, 1E-06)*	1E-06	*(6E-07, 2E-06)*	*	*
ARSENIC	2E-10	*(4E-11, 6E-10)*	4E-09	*(3E-09, 5E-09)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
Additive Risk	5E-08	*(3E-08, 9E-08)*	6E-07	*(5E-07, 1E-06)*	1E-06	*(6E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(1E-10, 7E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
ARSENIC	9E-10	*(4E-10, 3E-09)*	3E-08	*(1E-08, 8E-08)*	9E-08	*(2E-08, 2E-07)*	2E-07	*
BERYLLIUM	1E-11	*(7E-12, 3E-11)*	2E-10	*(8E-11, 8E-10)*	9E-10	*(1E-10, 2E-09)*	4E-09	*(8E-10, 5E-09)*
CADMIUM	1E-10	*(7E-11, 2E-10)*	3E-09	*(2E-09, 3E-09)*	7E-09	*(4E-09, 8E-09)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 4E-10)*	4E-09	*(1E-09, 5E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*
NICKEL	3E-11	*(1E-11, 4E-11)*	7E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	4E-09	*(2E-09, 8E-09)*	6E-08	*(2E-08, 9E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(7E-08, 1E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(8E-07, 9E-06)*	8E-05	*(5E-05, 8E-05)*	9E-05	*(8E-05, 2E-04)*	*	*
BARIUM	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	2E-06	*(1E-06, 2E-06)*
BERYLLIUM	3E-08	*(1E-08, 6E-08)*	3E-07	*(2E-07, 2E-06)*	2E-06	*(3E-07, 1E-05)*	*	*
CADMIUM	3E-06	*(2E-06, 7E-06)*	3E-04	*(9E-05, 4E-04)*	5E-04	*(5E-04, 5E-04)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(3E-08, 6E-08)*	*	*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	2E-08	*(2E-08, 5E-08)*	5E-08	*(2E-08, 6E-08)*	8E-08	*
COBALT	3E-09	*(9E-10, 5E-09)*	7E-08	*(9E-09, 8E-08)*	9E-08	*	*	*
MANGANESE	9E-09	*(3E-09, 1E-08)*	2E-07	*(3E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 6E-05)*	6E-05	*(2E-05, 1E-04)*	2E-04	*
MERCURY (METHYL)	2E-04	*(6E-05, 8E-04)*	8E-03	*(2E-03, 4E-02)*	4E-02	*	*	*
NICKEL	6E-09	*(4E-09, 1E-08)*	4E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(9E-07, 1E-06)*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	5E-10	*(1E-10, 3E-09)*	3E-07	*(9E-09, 6E-07)*	5E-07	*	*	*
THALLIUM	8E-06	*(1E-06, 4E-05)*	3E-04	*(2E-04, 5E-04)*	1E-03	*(4E-04, 2E-03)*	*	*
Hazard Index	6E-04	*(3E-04, 2E-03)*	1E-02	*(5E-03, 6E-02)*	6E-02	*(9E-03, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-06	*(3E-06, 3E-05)*	5E-04	*(1E-04, 1E-03)*	1E-03	*(2E-04, 4E-03)*	5E-03	*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(8E-04, 2E-03)*	2E-02	*(9E-03, 3E-02)*	3E-02	*(1E-02, 6E-02)*	*	*
TCDD-TEQ	2E-03	*(1E-03, 3E-03)*	2E-02	*(2E-02, 4E-02)*	4E-02	*(2E-02, 8E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B47. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-07	*(1E-07, 9E-07)*	8E-06	*(4E-06, 1E-05)*	**1E-05**	***(9E-06, 2E-05)***	*	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	2E-08	*(1E-08, 5E-08)*	6E-08	*(2E-08, 1E-07)*	3E-07	*
Additive Risk	5E-07	*(2E-07, 9E-07)*	8E-06	*(4E-06, 1E-05)*	**2E-05**	***(1E-05, 2E-05)***	**3E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	7E-10	*(2E-10, 1E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 5E-08)*
ARSENIC	1E-09	*(5E-10, 3E-09)*	4E-08	*(1E-08, 9E-08)*	1E-07	*(3E-08, 2E-07)*	3E-07	*
BERYLLIUM	1E-11	*(9E-12, 3E-11)*	3E-10	*(9E-11, 1E-09)*	1E-09	*(2E-10, 2E-09)*	6E-09	*(1E-09, 6E-09)*
CADMIUM	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 4E-09)*	7E-09	*(6E-09, 8E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 6E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
NICKEL	5E-11	*(3E-11, 7E-11)*	9E-10	*(6E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	5E-09	*(3E-09, 9E-09)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 1E-05)*	1E-03	*(2E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	3E-03	*
ARSENIC	9E-06	*(3E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	6E-04	*(2E-04, 1E-03)*	3E-03	*
BARIUM	8E-08	*(4E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	3E-07	*(1E-07, 9E-07)*	1E-06	*(3E-07, 3E-06)*	*	*
CADMIUM	1E-05	*(9E-06, 2E-05)*	2E-04	*(1E-04, 3E-04)*	6E-04	*(5E-04, 7E-04)*	4E-03	*(3E-03, 4E-03)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	6E-07	*(3E-07, 7E-07)*	1E-06	*(1E-06, 1E-06)*
CHROMIUM (VI)	7E-08	*(4E-08, 9E-08)*	9E-07	*(3E-07, 2E-06)*	3E-06	*(9E-07, 8E-06)*	1E-05	*
COBALT	9E-08	*(6E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 5E-06)*
MANGANESE	9E-08	*(4E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*
MERCURY (DIVALENT)	2E-04	*(9E-05, 4E-04)*	3E-03	*(1E-03, 9E-03)*	9E-03	*(2E-03, 3E-02)*	4E-02	*
MERCURY (METHYL)	9E-04	*(3E-04, 1E-03)*	1E-02	*(2E-03, 2E-02)*	2E-02	*(8E-03, 2E-02)*	3E-02	*
NICKEL	1E-07	*(9E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	9E-06	*(8E-06, 1E-05)*	5E-05	*(5E-05, 5E-05)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	1E-06	*(7E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*
THALLIUM	5E-05	*(1E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*	4E-02	*(4E-02, 5E-02)*
Hazard Index	2E-03	*(1E-03, 4E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 6E-02)*	8E-02	*(6E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 4E-05)*	4E-04	*(2E-04, 1E-03)*	1E-03	*(2E-04, 3E-03)*	5E-03	*
Hazard Index	1E-03	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-03	*(3E-03, 1E-02)*	1E-01	*(7E-02, 2E-01)*	2E-01	*(1E-01, 3E-01)*	5E-01	*
TCDD-TEQ	8E-03	*(3E-03, 2E-02)*	1E-01	*(7E-02, 2E-01)*	3E-01	*(2E-01, 3E-01)*	5E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B48. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-08	*(5E-08, 1E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	*	*
ARSENIC	4E-10	*(9E-11, 9E-10)*	8E-09	*(5E-09, 9E-09)*	9E-09	*(8E-09, 1E-08)*	*	*
Additive Risk	1E-07	*(6E-08, 2E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(1E-10, 7E-10)*	5E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
ARSENIC	9E-10	*(4E-10, 3E-09)*	3E-08	*(1E-08, 8E-08)*	9E-08	*(2E-08, 2E-07)*	2E-07	*
BERYLLIUM	1E-11	*(7E-12, 3E-11)*	2E-10	*(8E-11, 8E-10)*	8E-10	*(1E-10, 2E-09)*	4E-09	*(8E-10, 5E-09)*
CADMIUM	1E-10	*(7E-11, 2E-10)*	3E-09	*(2E-09, 3E-09)*	7E-09	*(4E-09, 8E-09)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 4E-10)*	4E-09	*(1E-09, 5E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*
NICKEL	3E-11	*(1E-11, 4E-11)*	7E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	4E-09	*(2E-09, 8E-09)*	6E-08	*(2E-08, 9E-08)*	1E-07	*(5E-08, 2E-07)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(8E-08, 1E-06)*	*	*	*	*	*	*
ARSENIC	3E-06	*(7E-07, 8E-06)*	7E-05	*(4E-05, 8E-05)*	9E-05	*(7E-05, 9E-05)*	*	*
BARIUM	9E-09	*(7E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	8E-07	*(7E-07, 8E-07)*
BERYLLIUM	2E-08	*(9E-09, 4E-08)*	2E-07	*(1E-07, 9E-07)*	9E-07	*(2E-07, 9E-06)*	2E-05	*
CADMIUM	3E-06	*(2E-06, 7E-06)*	2E-04	*(8E-05, 4E-04)*	5E-04	*(5E-04, 5E-04)*	*	*
CHROMIUM (III)	7E-10	*(5E-10, 9E-10)*	9E-09	*(8E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	9E-09	*(3E-09, 1E-08)*	2E-08	*(2E-08, 3E-08)*	3E-08	*	*	*
COBALT	2E-09	*(5E-10, 4E-09)*	6E-08	*(6E-09, 9E-08)*	9E-08	*	*	*
MANGANESE	7E-09	*(1E-09, 1E-08)*	1E-07	*(2E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	7E-07	*(4E-07, 1E-06)*	9E-06	*(5E-06, 2E-05)*	2E-05	*(8E-06, 5E-05)*	7E-05	*
MERCURY (METHYL)	2E-04	*(6E-05, 8E-04)*	8E-03	*(2E-03, 4E-02)*	4E-02	*	*	*
NICKEL	6E-09	*(4E-09, 9E-09)*	5E-07	*(1E-07, 5E-07)*	6E-07	*(2E-07, 7E-07)*	*	*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	4E-10	*(1E-10, 4E-09)*	4E-07	*(1E-08, 6E-07)*	6E-07	*	*	*
THALLIUM	7E-06	*(9E-07, 3E-05)*	3E-04	*(2E-04, 5E-04)*	1E-03	*(4E-04, 2E-03)*	*	*
Hazard Index	6E-04	*(3E-04, 2E-03)*	1E-02	*(5E-03, 6E-02)*	6E-02	*(9E-03, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	4E-05	*(3E-05, 6E-05)*	7E-05	*(5E-05, 8E-05)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-04	*(3E-05, 9E-04)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*
MANGANESE	1E-04	*(7E-05, 2E-04)*	7E-04	*(6E-04, 7E-04)*	1E-03	*(7E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (ELEMENTAL)	4E-06	*(2E-06, 2E-05)*	3E-04	*(9E-05, 9E-04)*	9E-04	*(1E-04, 3E-03)*	3E-03	*
Hazard Index	9E-04	*(4E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(8E-04, 2E-03)*	2E-02	*(1E-02, 3E-02)*	3E-02	*(2E-02, 7E-02)*	*	*
TCDD-TEQ	2E-03	*(1E-03, 3E-03)*	2E-02	*(2E-02, 3E-02)*	3E-02	*(2E-02, 7E-02)*	9E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B49. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(7E-08, 2E-07)*	3E-06	*(1E-06, 9E-06)*	9E-06	*(2E-06, 2E-05)*	**3E-05**	*
ARSENIC	5E-10	*(3E-10, 9E-10)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(9E-08, 3E-07)*	4E-06	*(1E-06, 9E-06)*	9E-06	*(2E-06, 2E-05)*	**3E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(6E-11, 2E-10)*	2E-09	*(7E-10, 4E-09)*	5E-09	*(1E-09, 1E-08)*	1E-08	*
ARSENIC	6E-10	*(3E-10, 2E-09)*	2E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	1E-11	*(6E-12, 4E-11)*	6E-10	*(2E-10, 1E-09)*	1E-09	*(4E-10, 1E-09)*	2E-09	*
CADMIUM	5E-10	*(3E-10, 8E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	4E-08	*(4E-08, 5E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(7E-06, 1E-04)*	2E-03	*(9E-04, 9E-03)*	8E-03	*	*	*
ARSENIC	1E-05	*(8E-06, 2E-05)*	6E-04	*(3E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(8E-04, 1E-03)*
BARIUM	3E-07	*(2E-07, 6E-07)*	6E-06	*(3E-06, 2E-05)*	3E-05	*(6E-06, 5E-05)*	9E-05	*(5E-05, 1E-04)*
BERYLLIUM	9E-08	*(3E-08, 2E-07)*	7E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	4E-05	*
CADMIUM	9E-05	*(6E-05, 2E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*	9E-03	*(4E-03, 1E-02)*
CHROMIUM (III)	1E-07	*(9E-08, 1E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(4E-06, 7E-06)*
CHROMIUM (VI)	7E-06	*(4E-06, 1E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
COBALT	2E-07	*(2E-07, 3E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*
MANGANESE	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 7E-06)*
MERCURY (DIVALENT)	8E-04	*(4E-04, 9E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(4E-03, 1E-02)*	*	*
MERCURY (METHYL)	1E-03	*(1E-03, 2E-03)*	3E-02	*	9E-02	*	*	*
NICKEL	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	7E-05	*(3E-05, 9E-05)*	1E-04	*
SELENIUM	5E-05	*(3E-05, 9E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	7E-03	*(2E-03, 9E-03)*
SILVER	4E-06	*(2E-06, 8E-06)*	1E-04	*(4E-05, 1E-03)*	6E-04	*(8E-05, 6E-03)*	1E-02	*
THALLIUM	1E-05	*(6E-06, 3E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(4E-04, 4E-03)*	9E-03	*(1E-03, 1E-02)*
Hazard Index	4E-03	*(4E-03, 6E-03)*	9E-02	*(2E-02, 2E-01)*	1E-01	*(3E-02, 2E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-03	*(3E-03, 1E-02)*	1E-01	*(6E-02, 4E-01)*	4E-01	*(1E-01, 9E-01)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B50. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(7E-09, 9E-08)*	9E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*	*	*	*	*
Additive Risk	5E-08	*(9E-09, 1E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(5E-11, 1E-10)*	1E-09	*(7E-10, 3E-09)*	3E-09	*(1E-09, 8E-09)*	1E-08	*
ARSENIC	9E-10	*(4E-10, 2E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	1E-11	*(5E-12, 3E-11)*	5E-10	*(2E-10, 7E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*
CADMIUM	5E-10	*(4E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(5E-11, 1E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	4E-08	*(4E-08, 5E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(3E-07, 3E-06)*	2E-03	*	*	*	*	*
ARSENIC	5E-06	*(3E-06, 9E-06)*	4E-04	*(5E-05, 6E-04)*	5E-04	*(3E-04, 6E-04)*	7E-04	*
BARIUM	6E-08	*(4E-08, 9E-08)*	9E-07	*(4E-07, 3E-06)*	4E-06	*(8E-07, 8E-06)*	1E-05	*(8E-06, 1E-05)*
BERYLLIUM	1E-07	*(4E-08, 3E-07)*	5E-06	*(1E-06, 2E-05)*	2E-05	*(3E-06, 3E-05)*	4E-05	*(9E-06, 5E-05)*
CADMIUM	4E-05	*(1E-05, 6E-05)*	1E-03	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-08	*(9E-09, 1E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	1E-07	*(6E-08, 1E-06)*	6E-06	*	*	*	*	*
COBALT	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
MANGANESE	2E-08	*(1E-08, 8E-08)*	4E-07	*(1E-07, 5E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 5E-06)*	1E-04	*(2E-05, 5E-04)*	5E-04	*(5E-05, 1E-03)*	2E-03	*
MERCURY (METHYL)	6E-06	*(4E-07, 1E-04)*	2E-03	*(8E-04, 5E-02)*	5E-02	*(2E-03, 1E-01)*	*	*
NICKEL	1E-07	*(5E-08, 5E-07)*	3E-06	*(9E-07, 5E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	9E-10	*(3E-10, 1E-08)*	4E-07	*	1E-06	*	*	*
THALLIUM	2E-06	*(1E-06, 3E-06)*	6E-05	*(2E-05, 8E-04)*	9E-04	*(5E-05, 1E-03)*	2E-03	*(1E-04, 2E-03)*
Hazard Index	6E-04	*(2E-04, 1E-03)*	1E-02	*(4E-03, 6E-02)*	6E-02	*(9E-03, 2E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(3E-04, 5E-03)*	4E-02	*(3E-02, 6E-02)*	7E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B51. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(6E-08, 2E-07)*	2E-06	*(9E-07, 7E-06)*	7E-06	*(2E-06, 1E-05)*	*	*
ARSENIC	5E-10	*(2E-10, 9E-10)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(7E-08, 2E-07)*	3E-06	*(1E-06, 7E-06)*	7E-06	*(2E-06, 2E-05)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 2E-10)*	2E-09	*(8E-10, 5E-09)*	5E-09	*(1E-09, 1E-08)*	2E-08	*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
BERYLLIUM	2E-11	*(6E-12, 4E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*
CADMIUM	6E-10	*(4E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	9E-09	*(7E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(6E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(4E-06, 9E-05)*	1E-03	*(6E-04, 6E-03)*	5E-03	*(9E-04, 9E-03)*	*	*
ARSENIC	8E-06	*(5E-06, 2E-05)*	3E-04	*(1E-04, 4E-04)*	4E-04	*(3E-04, 6E-04)*	8E-04	*
BARIUM	1E-07	*(9E-08, 3E-07)*	3E-06	*(1E-06, 9E-06)*	1E-05	*(3E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*
BERYLLIUM	5E-08	*(1E-08, 1E-07)*	3E-06	*(8E-07, 1E-05)*	1E-05	*(1E-06, 1E-05)*	2E-05	*(6E-06, 2E-05)*
CADMIUM	8E-05	*(4E-05, 1E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	8E-03	*
CHROMIUM (III)	7E-08	*(5E-08, 9E-08)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	4E-06	*(2E-06, 6E-06)*	4E-05	*(2E-05, 6E-05)*	7E-05	*(4E-05, 9E-05)*	2E-04	*
COBALT	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 6E-06)*
MANGANESE	1E-07	*(1E-07, 2E-07)*	1E-06	*(8E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
MERCURY (DIVALENT)	4E-04	*(2E-04, 6E-04)*	2E-03	*(1E-03, 4E-03)*	5E-03	*(3E-03, 6E-03)*	*	*
MERCURY (METHYL)	9E-04	*(9E-04, 1E-03)*	1E-02	*	7E-02	*	*	*
NICKEL	1E-06	*(8E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*	8E-05	*(6E-05, 9E-05)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 3E-03)*	5E-03	*(2E-03, 8E-03)*
SILVER	2E-06	*(1E-06, 4E-06)*	6E-05	*(2E-05, 8E-04)*	4E-04	*(4E-05, 3E-03)*	8E-03	*(8E-05, 1E-02)*
THALLIUM	9E-06	*(4E-06, 2E-05)*	5E-04	*(1E-04, 9E-04)*	1E-03	*(3E-04, 3E-03)*	6E-03	*(7E-04, 7E-03)*
Hazard Index	3E-03	*(2E-03, 4E-03)*	7E-02	*(1E-02, 1E-01)*	8E-02	*(2E-02, 1E-01)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 7E-03)*	9E-02	*(3E-02, 2E-01)*	2E-01	*(6E-02, 5E-01)*	9E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B52. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(9E-09, 1E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	*	*	*	*	*	*
Additive Risk	5E-08	*(1E-08, 2E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(5E-11, 2E-10)*	2E-09	*(8E-10, 3E-09)*	4E-09	*(2E-09, 9E-09)*	1E-08	*
ARSENIC	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	1E-11	*(5E-12, 3E-11)*	6E-10	*(2E-10, 8E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	6E-10	*(4E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	6E-09	*
Additive Risk	9E-09	*(7E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(9E-08, 1E-06)*	7E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 6E-06)*	2E-04	*(4E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	4E-04	*
BARIUM	2E-08	*(1E-08, 3E-08)*	3E-07	*(1E-07, 8E-07)*	9E-07	*(2E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
BERYLLIUM	6E-08	*(1E-08, 1E-07)*	2E-06	*(5E-07, 1E-05)*	8E-06	*(1E-06, 2E-05)*	2E-05	*(5E-06, 3E-05)*
CADMIUM	3E-05	*(1E-05, 5E-05)*	8E-04	*(4E-04, 9E-04)*	1E-03	*(8E-04, 2E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	*	*
CHROMIUM (VI)	8E-08	*(3E-08, 6E-07)*	4E-06	*	*	*	*	*
COBALT	5E-10	*(4E-10, 7E-10)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 9E-09)*	1E-08	*
MANGANESE	8E-09	*(4E-09, 3E-08)*	2E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
MERCURY (DIVALENT)	8E-07	*(5E-07, 1E-06)*	3E-05	*(6E-06, 1E-04)*	1E-04	*(1E-05, 4E-04)*	6E-04	*(6E-05, 8E-04)*
MERCURY (METHYL)	6E-06	*(9E-08, 1E-04)*	2E-03	*(8E-04, 5E-02)*	5E-02	*(2E-03, 1E-01)*	*	*
NICKEL	9E-08	*(1E-08, 2E-07)*	2E-06	*	2E-06	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	4E-10	*(1E-10, 7E-09)*	2E-07	*	6E-07	*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	5E-05	*(1E-05, 4E-04)*	4E-04	*	*	*
Hazard Index	4E-04	*(2E-04, 9E-04)*	1E-02	*(3E-03, 6E-02)*	6E-02	*(8E-03, 2E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(3E-04, 5E-03)*	4E-02	*(3E-02, 6E-02)*	7E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B53. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 9E-08)*	1E-06	*(5E-07, 3E-06)*	3E-06	*(9E-07, 7E-06)*	1E-05	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	1E-08	*(7E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*
Additive Risk	6E-08	*(3E-08, 1E-07)*	1E-06	*(5E-07, 3E-06)*	3E-06	*(9E-07, 7E-06)*	1E-05	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	1E-09	*(5E-10, 3E-09)*	3E-09	*(9E-10, 7E-09)*	1E-08	*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	1E-11	*(4E-12, 3E-11)*	5E-10	*(1E-10, 8E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*
CADMIUM	4E-10	*(2E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(2E-09, 3E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(5E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-06	*(2E-06, 5E-05)*	9E-04	*(3E-04, 3E-03)*	3E-03	*(6E-04, 5E-03)*	6E-03	*
ARSENIC	4E-06	*(3E-06, 9E-06)*	2E-04	*(8E-05, 2E-04)*	3E-04	*(1E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	7E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 5E-06)*	7E-06	*(1E-06, 9E-06)*	2E-05	*(9E-06, 3E-05)*
BERYLLIUM	2E-08	*(8E-09, 7E-08)*	1E-06	*(4E-07, 9E-06)*	8E-06	*(9E-07, 1E-05)*	1E-05	*(3E-06, 1E-05)*
CADMIUM	4E-05	*(2E-05, 9E-05)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	4E-03	*(2E-03, 5E-03)*
CHROMIUM (III)	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(3E-07, 9E-07)*	1E-06	*
CHROMIUM (VI)	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	8E-05	*
COBALT	8E-08	*(6E-08, 9E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
MANGANESE	8E-08	*(6E-08, 1E-07)*	5E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MERCURY (METHYL)	5E-04	*(4E-04, 7E-04)*	6E-03	*	4E-02	*	*	*
NICKEL	8E-07	*(4E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	1E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 1E-03)*	3E-03	*(8E-04, 4E-03)*
SILVER	9E-07	*(6E-07, 1E-06)*	2E-05	*(9E-06, 4E-04)*	2E-04	*(2E-05, 1E-03)*	4E-03	*(3E-05, 5E-03)*
THALLIUM	4E-06	*(2E-06, 9E-06)*	2E-04	*(7E-05, 6E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 4E-03)*
Hazard Index	1E-03	*(1E-03, 2E-03)*	4E-02	*(6E-03, 7E-02)*	5E-02	*(9E-03, 7E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(8E-04, 2E-03)*	3E-02	*(1E-02, 9E-02)*	9E-02	*(2E-02, 2E-01)*	3E-01	*
TCDD-TEQ	2E-03	*(1E-03, 3E-03)*	5E-02	*(2E-02, 1E-01)*	1E-01	*(3E-02, 3E-01)*	4E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B54. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(7E-09, 8E-08)*	9E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	*	*
ARSENIC	9E-11	*(6E-11, 2E-10)*	9E-09	*(1E-09, 1E-08)*	1E-08	*	*	*
Additive Risk	3E-08	*(8E-09, 1E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*[A]	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(1E-09, 6E-09)*	9E-09	*
ARSENIC	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(3E-12, 2E-11)*	4E-10	*(1E-10, 5E-10)*	6E-10	*(2E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(3E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	4E-09	*
Additive Risk	6E-09	*(5E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(5E-08, 6E-07)*	7E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*	*	*
BARIUM	1E-08	*(9E-09, 1E-08)*	1E-07	*(6E-08, 4E-07)*	6E-07	*(1E-07, 9E-07)*	2E-06	*(9E-07, 2E-06)*
BERYLLIUM	4E-08	*(9E-09, 8E-08)*	1E-06	*(3E-07, 6E-06)*	5E-06	*(9E-07, 9E-06)*	*	*
CADMIUM	2E-05	*(9E-06, 3E-05)*	8E-04	*(2E-04, 9E-04)*	9E-04	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	5E-08	*(2E-08, 4E-07)*	3E-06	*	*	*	*	*
COBALT	1E-09	*(7E-10, 4E-09)*	5E-08	*	6E-08	*	*	*
MANGANESE	3E-09	*(2E-09, 1E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	4E-07	*(2E-07, 7E-07)*	1E-05	*(3E-06, 7E-05)*	7E-05	*(7E-06, 2E-04)*	3E-04	*(3E-05, 4E-04)*
MERCURY (METHYL)	5E-06	*(5E-08, 7E-05)*	2E-03	*(6E-04, 3E-02)*	4E-02	*(1E-03, 7E-02)*	*	*
NICKEL	7E-08	*(9E-09, 1E-07)*	1E-06	*	2E-06	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	2E-10	*(6E-11, 3E-09)*	2E-07	*	4E-07	*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	3E-05	*(8E-06, 2E-04)*	3E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 6E-04)*	7E-03	*(2E-03, 4E-02)*	4E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(1E-04, 2E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 6E-02)*	*	*
TCDD-TEQ	1E-03	*(3E-04, 4E-03)*	4E-02	*(2E-02, 4E-02)*	6E-02	*(4E-02, 7E-02)*	9E-02	*(7E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B55. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(3E-08, 9E-08)*	1E-06	*(6E-07, 4E-06)*	4E-06	*(9E-07, 8E-06)*	1E-05	*
ARSENIC	5E-10	*(3E-10, 9E-10)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	7E-08	*(4E-08, 1E-07)*	2E-06	*(6E-07, 4E-06)*	4E-06	*(1E-06, 8E-06)*	**1E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(6E-11, 2E-10)*	2E-09	*(8E-10, 5E-09)*	5E-09	*(1E-09, 1E-08)*	1E-08	*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(6E-12, 4E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*
CADMIUM	5E-10	*(4E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	8E-06	*(1E-06, 4E-05)*	9E-04	*(2E-04, 3E-03)*	2E-03	*(7E-04, 6E-03)*	7E-03	*
ARSENIC	5E-06	*(3E-06, 9E-06)*	2E-04	*(8E-05, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	4E-08	*(2E-08, 7E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*(7E-07, 6E-06)*	9E-06	*(7E-06, 1E-05)*
BERYLLIUM	2E-08	*(6E-09, 7E-08)*	1E-06	*(3E-07, 6E-06)*	5E-06	*(7E-07, 8E-06)*	9E-06	*(2E-06, 1E-05)*
CADMIUM	4E-05	*(2E-05, 9E-05)*	7E-04	*(4E-04, 1E-03)*	1E-03	*(8E-04, 2E-03)*	4E-03	*(2E-03, 6E-03)*
CHROMIUM (III)	1E-08	*(1E-08, 2E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*
CHROMIUM (VI)	1E-06	*(6E-07, 2E-06)*	2E-05	*(8E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 7E-05)*
COBALT	6E-08	*(5E-08, 8E-08)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*
MANGANESE	6E-08	*(5E-08, 9E-08)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*
MERCURY (DIVALENT)	1E-04	*(8E-05, 2E-04)*	9E-04	*(5E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	3E-03	*
MERCURY (METHYL)	5E-04	*(3E-04, 7E-04)*	5E-03	*	4E-02	*	*	*
NICKEL	5E-07	*(2E-07, 9E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 1E-05)*	2E-05	*
SELENIUM	2E-05	*(1E-05, 3E-05)*	4E-04	*(1E-04, 8E-04)*	9E-04	*(4E-04, 2E-03)*	3E-03	*(9E-04, 4E-03)*
SILVER	5E-07	*(3E-07, 8E-07)*	1E-05	*(4E-06, 3E-04)*	1E-04	*(9E-06, 8E-04)*	2E-03	*
THALLIUM	4E-06	*(2E-06, 9E-06)*	2E-04	*(6E-05, 6E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 3E-03)*
Hazard Index	1E-03	*(1E-03, 2E-03)*	4E-02	*(5E-03, 7E-02)*	5E-02	*(1E-02, 8E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(6E-04, 2E-03)*	3E-02	*(9E-03, 6E-02)*	8E-02	*(2E-02, 1E-01)*	2E-01	*
TCDD-TEQ	1E-03	*(6E-04, 2E-03)*	3E-02	*(1E-02, 7E-02)*	8E-02	*(2E-02, 2E-01)*	3E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B56. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(9E-09, 2E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 4E-06)*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	1E-08	*(2E-09, 2E-08)*	2E-08	*	3E-08	*
Additive Risk	6E-08	*(1E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(1E-09, 6E-09)*	9E-09	*
ARSENIC	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(3E-12, 2E-11)*	4E-10	*(1E-10, 5E-10)*	6E-10	*(2E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(3E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	4E-09	*
Additive Risk	6E-09	*(4E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(3E-08, 6E-07)*	8E-04	*	*	*	*	*
ARSENIC	1E-06	*(9E-07, 3E-06)*	1E-04	*	*	*	*	*
BARIUM	9E-09	*(7E-09, 1E-08)*	6E-08	*(2E-08, 1E-07)*	2E-07	*(5E-08, 4E-07)*	6E-07	*(4E-07, 8E-07)*
BERYLLIUM	3E-08	*(6E-09, 7E-08)*	1E-06	*(2E-07, 5E-06)*	4E-06	*(6E-07, 9E-06)*	*	*
CADMIUM	2E-05	*(8E-06, 3E-05)*	8E-04	*(3E-04, 9E-04)*	9E-04	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	8E-10	*(6E-10, 9E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	*	*
CHROMIUM (VI)	3E-08	*(1E-08, 4E-07)*	3E-06	*	1E-05	*	*	*
COBALT	8E-10	*(3E-10, 1E-09)*	6E-08	*	7E-08	*	*	*
MANGANESE	2E-09	*(1E-09, 7E-09)*	1E-07	*	2E-07	*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 3E-07)*	8E-06	*(1E-06, 3E-05)*	3E-05	*(3E-06, 8E-05)*	*	*
MERCURY (METHYL)	4E-06	*(2E-08, 7E-05)*	2E-03	*(6E-04, 3E-02)*	4E-02	*(1E-03, 7E-02)*	*	*
NICKEL	7E-08	*(7E-09, 1E-07)*	1E-06	*	2E-06	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	1E-10	*(5E-11, 3E-09)*	2E-07	*	4E-07	*	*	*
THALLIUM	9E-07	*(7E-07, 1E-06)*	3E-05	*(8E-06, 3E-04)*	4E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 6E-04)*	8E-03	*(2E-03, 4E-02)*	4E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(1E-05, 6E-05)*	7E-05	*(2E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	8E-04	*(4E-04, 1E-03)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(9E-03, 2E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 2E-04)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(8E-04, 3E-03)*	3E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	3E-04	*(2E-04, 4E-04)*	4E-04	*(3E-04, 5E-04)*	7E-04	*
MERCURY (ELEMENTAL)	9E-06	*(5E-06, 1E-05)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(6E-05, 2E-04)*	2E-04	*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(2E-04, 3E-03)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(3E-02, 7E-02)*	*	*
TCDD-TEQ	1E-03	*(3E-04, 4E-03)*	4E-02	*(2E-02, 4E-02)*	6E-02	*(4E-02, 7E-02)*	9E-02	*(7E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B57. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(8E-09, 4E-08)*	1E-06	*(4E-07, 4E-06)*	7E-06	*(1E-06, 1E-05)*	**3E-05**	***(1E-05, 7E-05)***
ARSENIC	4E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	2E-08	*(1E-08, 4E-08)*	1E-06	*(4E-07, 4E-06)*	7E-06	*(1E-06, 2E-05)*	**4E-05**	*****
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 4E-11)*	9E-10	*(3E-10, 3E-09)*	4E-09	*(8E-10, 9E-09)*	2E-08	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 5E-09)*	5E-09	*(2E-09, 8E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 6E-11)*	8E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 4E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
NICKEL	6E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
Additive Risk	8E-10	*(4E-10, 1E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(4E-08, 4E-07)*	9E-06	*(2E-06, 4E-05)*	4E-05	*(7E-06, 5E-05)*	6E-05	*(1E-05, 7E-05)*
ARSENIC	9E-07	*(4E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(2E-05, 8E-05)*	1E-04	*
BARIUM	6E-08	*(2E-08, 9E-08)*	1E-06	*(7E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	1E-05	*(4E-06, 1E-05)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	1E-06	*(5E-07, 1E-06)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	9E-09	*(4E-09, 2E-08)*	3E-07	*(1E-07, 6E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*
CHROMIUM (VI)	3E-07	*(2E-07, 7E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 2E-05)*	4E-05	*(3E-05, 5E-05)*
COBALT	5E-08	*(4E-08, 8E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
MANGANESE	5E-08	*(3E-08, 9E-08)*	8E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	4E-05	*(2E-05, 9E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	8E-03	*(3E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(7E-05, 4E-04)*	*	*	*	*	*	*
NICKEL	7E-08	*(3E-08, 1E-07)*	5E-06	*(1E-06, 6E-06)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*
SELENIUM	5E-06	*(2E-06, 9E-06)*	1E-04	*(8E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*	8E-04	*(6E-04, 9E-04)*
SILVER	1E-06	*(9E-07, 3E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*
THALLIUM	5E-06	*(2E-06, 7E-06)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	2E-03	*(9E-04, 3E-03)*
Hazard Index	4E-04	*(2E-04, 1E-03)*	2E-02	*(5E-03, 2E-02)*	2E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 2E-03)*	7E-02	*(2E-02, 2E-01)*	3E-01	*(6E-02, 7E-01)*	**1**	***(7E-01, 3)***

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B58. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(9E-10, 2E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(9E-08, 8E-07)*	2E-06	*(7E-07, 3E-06)*
ARSENIC	1E-11	*(8E-12, 9E-11)*	6E-10	*(2E-10, 8E-10)*	8E-10	*(4E-10, 9E-10)*	*	*
Additive Risk	2E-09	*(1E-09, 4E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(1E-07, 9E-07)*	2E-06	*(8E-07, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 3E-11)*	9E-10	*(3E-10, 3E-09)*	5E-09	*(7E-10, 1E-08)*	2E-08	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 7E-09)*	9E-09	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 6E-11)*	8E-11	*(3E-11, 2E-10)*	3E-10	*
CADMIUM	4E-11	*(2E-11, 5E-11)*	4E-10	*(2E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
NICKEL	6E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	7E-10	*(4E-10, 1E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(4E-09, 5E-08)*	2E-06	*	*	*	*	*
ARSENIC	3E-07	*(1E-07, 2E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*
BARIUM	8E-09	*(3E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	1E-06	*(6E-07, 2E-06)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	1E-06	*(5E-07, 1E-06)*
CADMIUM	2E-06	*(1E-06, 4E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	8E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 4E-08)*	7E-08	*(3E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(8E-09, 4E-08)*	7E-07	*	*	*	*	*
COBALT	3E-10	*(2E-10, 5E-10)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
MANGANESE	8E-09	*(3E-09, 1E-08)*	1E-07	*(3E-08, 5E-07)*	4E-07	*(8E-08, 7E-07)*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 9E-07)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(2E-05, 2E-04)*	8E-04	*(7E-05, 9E-04)*
MERCURY (METHYL)	1E-05	*(5E-06, 6E-05)*	7E-03	*(5E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	5E-09	*(4E-09, 1E-08)*	3E-07	*	*	*	*	*
SELENIUM	9E-07	*(4E-07, 2E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	2E-09	*(9E-10, 2E-08)*	1E-07	*	*	*	*	*
THALLIUM	9E-07	*(3E-07, 2E-06)*	3E-05	*(1E-05, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
Hazard Index	8E-05	*(3E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(5E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-05	*(5E-05, 1E-04)*	7E-03	*(9E-04, 1E-02)*	2E-02	*(5E-03, 4E-02)*	8E-02	*(3E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B59. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 3E-08)*	9E-07	*(3E-07, 3E-06)*	5E-06	*(9E-07, 9E-06)*	**3E-05**	***(9E-06, 5E-05)***
ARSENIC	4E-11	*(1E-11, 1E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	1E-08	*(8E-09, 3E-08)*	1E-06	*(3E-07, 3E-06)*	5E-06	*(1E-06, 1E-05)*	**3E-05**	***(1E-05, 6E-05)***
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 4E-11)*	1E-09	*(4E-10, 3E-09)*	5E-09	*(1E-09, 1E-08)*	2E-08	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 5E-10)*
CADMIUM	5E-11	*(3E-11, 7E-11)*	4E-10	*(3E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(3E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(3E-12, 1E-11)*	2E-10	*(7E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	1E-09	*(5E-10, 1E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-08	*(3E-08, 2E-07)*	6E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	3E-05	*(8E-06, 4E-05)*
ARSENIC	7E-07	*(2E-07, 2E-06)*	1E-05	*(9E-06, 3E-05)*	4E-05	*(1E-05, 6E-05)*	1E-04	*(6E-05, 2E-04)*
BARIUM	3E-08	*(1E-08, 6E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(7E-07, 2E-06)*	5E-06	*(2E-06, 7E-06)*
BERYLLIUM	6E-09	*(3E-09, 9E-09)*	7E-08	*(4E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
CADMIUM	3E-06	*(2E-06, 5E-06)*	5E-05	*(3E-05, 7E-05)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 5E-04)*
CHROMIUM (III)	5E-09	*(2E-09, 9E-09)*	1E-07	*(9E-08, 3E-07)*	5E-07	*(2E-07, 6E-07)*	1E-06	*
CHROMIUM (VI)	2E-07	*(9E-08, 4E-07)*	8E-06	*(3E-06, 9E-06)*	1E-05	*(6E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*
COBALT	3E-08	*(2E-08, 5E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
MANGANESE	2E-08	*(1E-08, 5E-08)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 5E-05)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(5E-04, 2E-03)*	4E-03	*(2E-03, 6E-03)*
MERCURY (METHYL)	1E-04	*(4E-05, 2E-04)*	9E-03	*	*	*	*	*
NICKEL	4E-08	*(2E-08, 9E-08)*	2E-06	*(9E-07, 3E-06)*	5E-06	*(1E-06, 7E-06)*	1E-05	*
SELENIUM	3E-06	*(1E-06, 7E-06)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
SILVER	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 5E-05)*	7E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
THALLIUM	3E-06	*(1E-06, 5E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 6E-04)*	1E-03	*(7E-04, 2E-03)*
Hazard Index	3E-04	*(2E-04, 7E-04)*	1E-02	*(3E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-04	*(2E-04, 9E-04)*	4E-02	*(9E-03, 1E-01)*	2E-01	*(3E-02, 4E-01)*	9E-01	*(4E-01, 2)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B60. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	1E-07	*(3E-08, 4E-07)*	7E-07	*(1E-07, 1E-06)*	2E-06	*(9E-07, 4E-06)*
ARSENIC	1E-11	*(7E-12, 7E-11)*	5E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 1E-09)*	*	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	1E-07	*(3E-08, 4E-07)*	7E-07	*(1E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	1E-09	*(3E-10, 4E-09)*	6E-09	*(9E-10, 1E-08)*	3E-08	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	3E-09	*(1E-09, 4E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*
CADMIUM	5E-11	*(3E-11, 6E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(4E-12, 1E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
Additive Risk	8E-10	*(4E-10, 1E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(1E-09, 1E-08)*	1E-06	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 1E-06)*	9E-06	*(3E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	*	*
BARIUM	2E-09	*(9E-10, 5E-09)*	8E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(2E-07, 5E-07)*
BERYLLIUM	8E-09	*(4E-09, 1E-08)*	7E-08	*(4E-08, 8E-08)*	9E-08	*(7E-08, 1E-07)*	3E-07	*(1E-07, 6E-07)*
CADMIUM	1E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 7E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	2E-10	*(9E-11, 4E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*
CHROMIUM (VI)	7E-09	*(4E-09, 2E-08)*	5E-07	*(1E-07, 5E-06)*	4E-06	*(2E-07, 8E-06)*	*	*
COBALT	9E-11	*(7E-11, 1E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	8E-09	*(5E-09, 8E-09)*
MANGANESE	3E-09	*(9E-10, 6E-09)*	5E-08	*	*	*	*	*
MERCURY (DIVALENT)	7E-08	*(3E-08, 2E-07)*	7E-06	*(2E-06, 1E-05)*	2E-05	*(5E-06, 5E-05)*	1E-04	*(2E-05, 3E-04)*
MERCURY (METHYL)	1E-05	*(5E-06, 6E-05)*	7E-03	*(5E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	3E-09	*(2E-09, 8E-09)*	1E-07	*	*	*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	9E-10	*(3E-10, 9E-09)*	7E-08	*(3E-08, 4E-07)*	4E-07	*	*	*
THALLIUM	7E-07	*(3E-07, 2E-06)*	2E-05	*(9E-06, 6E-05)*	6E-05	*(2E-05, 9E-05)*	*	*
Hazard Index	7E-05	*(3E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(5E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-05	*(5E-05, 1E-04)*[A]	5E-03	*(9E-04, 1E-02)*	2E-02	*(4E-03, 4E-02)*	8E-02	*(3E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B61. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(3E-09, 1E-08)*	5E-07	*(1E-07, 1E-06)*	2E-06	*(4E-07, 6E-06)*	1E-05	*(5E-06, 3E-05)*
ARSENIC	2E-11	*(8E-12, 7E-11)*	4E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	7E-09	*(4E-09, 2E-08)*	5E-07	*(2E-07, 2E-06)*	3E-06	*(5E-07, 6E-06)*	**1E-05**	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 3E-11)*	7E-10	*(2E-10, 2E-09)*	3E-09	*(6E-10, 7E-09)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(9E-10, 4E-09)*	4E-09	*(2E-09, 6E-09)*	7E-09	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	3E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*(1E-10, 3E-10)*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	4E-12	*(2E-12, 8E-12)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	6E-10	*(3E-10, 9E-10)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	4E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-08	*(1E-08, 1E-07)*	3E-06	*(8E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	2E-05	*(4E-06, 2E-05)*
ARSENIC	4E-07	*(1E-07, 1E-06)*	8E-06	*(5E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	1E-08	*(5E-09, 3E-08)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(3E-07, 9E-07)*	2E-06	*(9E-07, 3E-06)*
BERYLLIUM	3E-09	*(2E-09, 5E-09)*	4E-08	*(2E-08, 5E-08)*	6E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 4E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*
CHROMIUM (III)	2E-09	*(9E-10, 5E-09)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*
CHROMIUM (VI)	9E-08	*(5E-08, 2E-07)*	3E-06	*(1E-06, 6E-06)*	6E-06	*(2E-06, 7E-06)*	1E-05	*(6E-06, 1E-05)*
COBALT	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*
MANGANESE	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*(5E-07, 9E-07)*
MERCURY (DIVALENT)	1E-05	*(6E-06, 2E-05)*	2E-04	*(9E-05, 6E-04)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(9E-04, 3E-03)*
MERCURY (METHYL)	9E-05	*(2E-05, 1E-04)*	4E-03	*	*	*	*	*
NICKEL	2E-08	*(9E-09, 4E-08)*	1E-06	*(4E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	6E-06	*(4E-06, 7E-06)*
SELENIUM	2E-06	*(8E-07, 3E-06)*	6E-05	*(3E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*
SILVER	4E-07	*(2E-07, 7E-07)*	1E-05	*(5E-06, 2E-05)*	3E-05	*(1E-05, 5E-05)*	8E-05	*(5E-05, 9E-05)*
THALLIUM	1E-06	*(8E-07, 3E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(4E-05, 3E-04)*	7E-04	*(4E-04, 1E-03)*
Hazard Index	2E-04	*(8E-05, 4E-04)*	6E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 8E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(9E-05, 4E-04)*	1E-02	*(4E-03, 4E-02)*	7E-02	*(1E-02, 1E-01)*	3E-01	*(1E-01, 7E-01)*
TCDD-TEQ	2E-04	*(1E-04, 6E-04)*	2E-02	*(5E-03, 6E-02)*	9E-02	*(2E-02, 2E-01)*	5E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B62. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(9E-10, 2E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(9E-08, 8E-07)*	2E-06	*
ARSENIC	8E-12	*(4E-12, 5E-11)*	3E-10	*(1E-10, 4E-10)*	4E-10	*(2E-10, 8E-10)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	1E-07	*(2E-08, 3E-07)*	5E-07	*(9E-08, 9E-07)*	2E-06	*(8E-07, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	6E-10	*(2E-10, 3E-09)*	4E-09	*(5E-10, 8E-09)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 9E-11)*	2E-09	*(7E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 9E-10)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	4E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-09	*(9E-10, 9E-09)*	7E-07	*	*	*	*	*
ARSENIC	1E-07	*(8E-08, 8E-07)*	6E-06	*(2E-06, 7E-06)*	8E-06	*	*	*
BARIUM	9E-10	*(4E-10, 2E-09)*	5E-08	*(2E-08, 6E-08)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 3E-07)*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(4E-08, 9E-08)*	2E-07	*(9E-08, 3E-07)*
CADMIUM	9E-07	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	1E-10	*(6E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
CHROMIUM (VI)	4E-09	*(3E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	4E-10	*(2E-10, 1E-09)*	1E-08	*	*	*	*	*
MANGANESE	1E-09	*(7E-10, 4E-09)*	3E-08	*	*	*	*	*
MERCURY (DIVALENT)	4E-08	*(1E-08, 1E-07)*	4E-06	*(9E-07, 9E-06)*	9E-06	*(2E-06, 3E-05)*	8E-05	*(1E-05, 1E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(3E-04, 9E-03)*	1E-02	*(1E-03, 4E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	6E-10	*(2E-10, 5E-09)*	5E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 1E-06)*	2E-05	*(8E-06, 4E-05)*	4E-05	*(2E-05, 6E-05)*	*	*
Hazard Index	5E-05	*(2E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-05	*(2E-05, 7E-05)*	3E-03	*(5E-04, 7E-03)*	1E-02	*(2E-03, 2E-02)*	5E-02	*(2E-02, 7E-02)*
TCDD-TEQ	6E-05	*(4E-05, 1E-04)*	4E-03	*(8E-04, 1E-02)*	2E-02	*(3E-03, 3E-02)*	7E-02	*(3E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B63. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-09	*(3E-09, 1E-08)*	6E-07	*(1E-07, 1E-06)*	3E-06	*(5E-07, 6E-06)*	**1E-05**	***(6E-06, 3E-05)***
ARSENIC	4E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	5E-09	*(3E-09, 7E-09)*
Additive Risk	8E-09	*(5E-09, 2E-08)*	6E-07	*(2E-07, 2E-06)*	3E-06	*(6E-07, 7E-06)*	**2E-05**	***(7E-06, 3E-05)***
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 4E-11)*	1E-09	*(3E-10, 3E-09)*	5E-09	*(9E-10, 1E-08)*	2E-08	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 4E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	9E-10	*(4E-10, 1E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(1E-08, 1E-07)*	2E-06	*	*	*	*	*
ARSENIC	4E-07	*(1E-07, 1E-06)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	1E-06	*(5E-07, 2E-06)*
BERYLLIUM	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 7E-08)*	2E-07	*(8E-08, 3E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	1E-09	*(6E-10, 2E-09)*	4E-08	*(2E-08, 8E-08)*	1E-07	*(6E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*
CHROMIUM (VI)	6E-08	*(3E-08, 1E-07)*	2E-06	*(8E-07, 6E-06)*	6E-06	*(1E-06, 7E-06)*	9E-06	*(3E-06, 1E-05)*
COBALT	9E-09	*(7E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*
MANGANESE	9E-09	*(6E-09, 1E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	4E-07	*(3E-07, 5E-07)*
MERCURY (DIVALENT)	9E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*
MERCURY (METHYL)	9E-05	*(1E-05, 1E-04)*	4E-03	*	*	*	*	*
NICKEL	1E-08	*(9E-09, 2E-08)*	9E-07	*(2E-07, 2E-06)*	2E-06	*(6E-07, 3E-06)*	3E-06	*(2E-06, 4E-06)*
SELENIUM	2E-06	*(9E-07, 4E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
SILVER	2E-07	*(9E-08, 4E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*
THALLIUM	1E-06	*(8E-07, 3E-06)*	4E-05	*(1E-05, 7E-05)*	1E-04	*(4E-05, 3E-04)*	6E-04	*(3E-04, 9E-04)*
Hazard Index	1E-04	*(8E-05, 3E-04)*	7E-03	*(1E-03, 9E-03)*	9E-03	*(3E-03, 9E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(7E-05, 3E-04)*	9E-03	*(3E-03, 3E-02)*	5E-02	*(9E-03, 9E-02)*	2E-01	*(9E-02, 5E-01)*
TCDD-TEQ	1E-04	*(7E-05, 3E-04)*	1E-02	*(3E-03, 3E-02)*	5E-02	*(1E-02, 1E-01)*	3E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B64. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 5E-09)*	2E-07	*(4E-08, 5E-07)*	9E-07	*(1E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
ARSENIC	1E-11	*(9E-12, 9E-11)*	7E-10	*(2E-10, 9E-10)*	9E-10	*(3E-10, 1E-09)*	*	*
Additive Risk	3E-09	*(2E-09, 6E-09)*	2E-07	*(4E-08, 6E-07)*	9E-07	*(2E-07, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	6E-10	*(2E-10, 2E-09)*	4E-09	*(5E-10, 8E-09)*	2E-08	*
ARSENIC	3E-11	*(1E-11, 9E-11)*	2E-09	*(7E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 8E-12)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 9E-10)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	4E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-09	*(8E-10, 9E-09)*	1E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 9E-07)*	7E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	5E-10	*(2E-10, 1E-09)*	4E-08	*(1E-08, 6E-08)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(6E-08, 1E-07)*
BERYLLIUM	3E-09	*(2E-09, 8E-09)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(4E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*
CADMIUM	9E-07	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	6E-11	*(3E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 5E-09)*	9E-09	*(7E-09, 1E-08)*
CHROMIUM (VI)	4E-09	*(2E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	4E-10	*(1E-10, 1E-09)*	1E-08	*	*	*	*	*
MANGANESE	1E-09	*(4E-10, 4E-09)*	4E-08	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(6E-09, 9E-08)*	1E-06	*(4E-07, 4E-06)*	4E-06	*(1E-06, 9E-06)*	4E-05	*(4E-06, 6E-05)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(3E-04, 9E-03)*	1E-02	*(1E-03, 4E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	7E-10	*(1E-10, 5E-09)*	5E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 1E-06)*	2E-05	*(7E-06, 4E-05)*	4E-05	*(2E-05, 6E-05)*	*	*
Hazard Index	5E-05	*(2E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(1E-07, 6E-07)*	7E-06	*(4E-06, 1E-05)*	1E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(9E-05, 3E-04)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(3E-03, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 5E-05)*	4E-04	*(3E-04, 7E-04)*	8E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	1E-05	*(9E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	7E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 4E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 5E-05)*	8E-05	*
Hazard Index	2E-04	*(2E-04, 4E-04)*	3E-03	*(2E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-05	*(3E-05, 9E-05)*	3E-03	*(6E-04, 9E-03)*	1E-02	*(3E-03, 3E-02)*	6E-02	*(2E-02, 8E-02)*
TCDD-TEQ	6E-05	*(3E-05, 9E-05)*[A]	4E-03	*(8E-04, 1E-02)*	2E-02	*(3E-03, 3E-02)*	7E-02	*(3E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B65. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-07	*(4E-07, 5E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	9E-06	*(9E-06, 9E-06)*
ARSENIC	6E-10	*(4E-10, 9E-10)*	8E-09	*(5E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	5E-07	*(4E-07, 6E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	9E-06	*(9E-06, 9E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 3E-10)*	7E-10	*(6E-10, 8E-10)*	9E-10	*(9E-10, 1E-09)*	7E-09	*(7E-09, 7E-09)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 7E-09)*	1E-08	*(9E-09, 1E-08)*
BERYLLIUM	3E-11	*(3E-11, 5E-11)*	3E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	7E-10	*(6E-10, 9E-10)*	2E-09	*(2E-09, 2E-09)*	4E-09	*(4E-09, 4E-09)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 4E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*
NICKEL	6E-11	*(6E-11, 8E-11)*	9E-10	*(2E-10, 2E-09)*	2E-09	*(9E-10, 2E-09)*	7E-09	*(7E-09, 7E-09)*
Additive Risk	2E-09	*(2E-09, 2E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	9E-08	*(9E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(9E-06, 4E-05)*	8E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	*	*
ARSENIC	1E-05	*(9E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(5E-04, 9E-04)*
BARIUM	8E-06	*(6E-06, 9E-06)*	1E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 8E-04)*	*	*
BERYLLIUM	8E-07	*(6E-07, 9E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
CADMIUM	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*	2E-02	*(2E-02, 2E-02)*
CHROMIUM (III)	3E-07	*(2E-07, 3E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*	*	*
CHROMIUM (VI)	2E-06	*(1E-06, 2E-06)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*
COBALT	3E-06	*(2E-06, 3E-06)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*
MANGANESE	4E-07	*(3E-07, 6E-07)*	3E-06	*(2E-06, 4E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(7E-06, 8E-06)*
MERCURY (DIVALENT)	7E-04	*(6E-04, 9E-04)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*	9E-03	*
MERCURY (METHYL)	3E-02	*(2E-02, 4E-02)*	*	*	*	*	*	*
NICKEL	4E-06	*(3E-06, 6E-06)*	4E-05	*(2E-05, 6E-05)*	9E-05	*(4E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
SELENIUM	9E-04	*(5E-04, 1E-03)*	3E-02	*(1E-02, 4E-02)*	6E-02	*(4E-02, 6E-02)*	2E-01	*(2E-01, 2E-01)*
SILVER	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(5E-04, 9E-04)*	2E-02	*(2E-02, 2E-02)*
THALLIUM	1E-03	*(9E-04, 2E-03)*	3E-02	*(1E-02, 6E-02)*	9E-02	*(3E-02, 1E-01)*	4E-01	*(9E-02, 5E-01)*
Hazard Index	6E-02	*(4E-02, 9E-02)*	2E-01	*(2E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-06	*(4E-06, 5E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-02	*(2E-02, 2E-02)*	9E-02	*(9E-02, 1E-01)*	1E-01	*(1E-01, 1E-01)*	6E-01	*(6E-01, 6E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B66. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(9E-08, 2E-07)*	9E-07	*(8E-07, 9E-07)*	9E-07	*(9E-07, 1E-06)*	*	*
ARSENIC	1E-10	*(1E-10, 3E-10)*	5E-09	*(3E-09, 6E-09)*	7E-09	*(6E-09, 9E-09)*	*	*
Additive Risk	2E-07	*(9E-08, 3E-07)*	1E-06	*(8E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 3E-10)*	7E-10	*(5E-10, 8E-10)*	9E-10	*(8E-10, 1E-09)*	7E-09	*(6E-09, 7E-09)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	2E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 7E-09)*	1E-08	*(9E-09, 1E-08)*
BERYLLIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	7E-10	*(5E-10, 9E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*
NICKEL	6E-11	*(5E-11, 8E-11)*	7E-10	*(2E-10, 2E-09)*	2E-09	*(7E-10, 2E-09)*	7E-09	*(6E-09, 7E-09)*
Additive Risk	2E-09	*(2E-09, 2E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(7E-09, 1E-08)*	8E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(4E-07, 1E-06)*	5E-05	*	*	*	*	*
ARSENIC	4E-06	*(3E-06, 7E-06)*	1E-04	*(7E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*
BARIUM	9E-07	*(7E-07, 1E-06)*	4E-05	*(8E-06, 8E-05)*	9E-05	*	*	*
BERYLLIUM	9E-07	*(6E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
CADMIUM	9E-05	*(7E-05, 2E-04)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*	6E-03	*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	*	*
CHROMIUM (VI)	5E-08	*(2E-08, 1E-07)*	5E-07	*	*	*	*	*
COBALT	2E-08	*(2E-08, 3E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 3E-07)*
MANGANESE	3E-08	*(2E-08, 4E-08)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	8E-05	*(6E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 6E-04)*	2E-03	*
MERCURY (METHYL)	2E-02	*(1E-02, 4E-02)*	2E-01	*(2E-01, 3E-01)*	*	*	*	*
NICKEL	1E-07	*(1E-07, 2E-07)*	5E-06	*(1E-06, 6E-06)*	9E-06	*(6E-06, 1E-05)*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	4E-09	*(2E-09, 3E-08)*	3E-06	*(8E-08, 5E-06)*	8E-06	*(5E-06, 8E-06)*	*	*
THALLIUM	2E-04	*(1E-04, 4E-04)*	7E-03	*(4E-03, 1E-02)*	2E-02	*(6E-03, 3E-02)*	*	*
Hazard Index	3E-02	*(2E-02, 5E-02)*	3E-01	*(3E-01, 4E-01)*	4E-01	*(3E-01, 5E-01)*	6E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 5E-06)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(4E-03, 1E-02)*	5E-02	*(4E-02, 5E-02)*	6E-02	*(5E-02, 6E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B67. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-07	*(3E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	7E-06	*(7E-06, 7E-06)*
ARSENIC	5E-10	*(4E-10, 8E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	4E-07	*(3E-07, 5E-07)*	2E-06	*(2E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	9E-06	*(9E-06, 9E-06)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 3E-10)*	8E-10	*(6E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	8E-09	*(8E-09, 8E-09)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	9E-10	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	4E-09	*(4E-09, 4E-09)*	8E-08	*(8E-08, 8E-08)*
CHROMIUM (VI)	4E-10	*(2E-10, 5E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 9E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	8E-09	*(6E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(5E-06, 2E-05)*	5E-04	*(1E-04, 7E-04)*	7E-04	*(3E-04, 8E-04)*	9E-04	*
ARSENIC	9E-06	*(8E-06, 1E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(4E-04, 6E-04)*
BARIUM	4E-06	*(2E-06, 5E-06)*	7E-05	*(3E-05, 1E-04)*	2E-04	*(7E-05, 3E-04)*	5E-04	*
BERYLLIUM	3E-07	*(2E-07, 5E-07)*	5E-06	*(2E-06, 7E-06)*	7E-06	*(5E-06, 9E-06)*	1E-05	*
CADMIUM	3E-04	*(2E-04, 4E-04)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*	*	*
CHROMIUM (III)	1E-07	*(1E-07, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	7E-06	*(7E-06, 8E-06)*
CHROMIUM (VI)	9E-07	*(7E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*	1E-05	*	*	*
COBALT	1E-06	*(1E-06, 2E-06)*	9E-06	*(9E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	2E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	4E-04	*(3E-04, 5E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	6E-03	*
MERCURY (METHYL)	2E-02	*(9E-03, 3E-02)*	*	*	*	*	*	*
NICKEL	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 8E-05)*	*	*
SELENIUM	6E-04	*(3E-04, 1E-03)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(3E-02, 5E-02)*	1E-01	*(1E-01, 1E-01)*
SILVER	2E-05	*(1E-05, 2E-05)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(3E-04, 4E-04)*	*	*
THALLIUM	9E-04	*(6E-04, 1E-03)*	2E-02	*(9E-03, 4E-02)*	6E-02	*(2E-02, 9E-02)*	3E-01	*(7E-02, 4E-01)*
Hazard Index	4E-02	*(3E-02, 7E-02)*	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 3E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-06	*(4E-06, 5E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(9E-03, 1E-02)*	6E-02	*(6E-02, 7E-02)*	8E-02	*(8E-02, 9E-02)*	3E-01	*(3E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B68. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(9E-08, 3E-07)*	*	*	*	*	*	*
ARSENIC	1E-10	*(9E-11, 2E-10)*	5E-09	*(2E-09, 5E-09)*	7E-09	*(5E-09, 9E-09)*	*	*
Additive Risk	3E-07	*(1E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 3E-10)*	8E-10	*(6E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	7E-09	*(7E-09, 8E-09)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 5E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	8E-10	*(6E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 4E-09)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	3E-10	*(1E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 9E-11)*	8E-10	*(2E-10, 2E-09)*	2E-09	*(8E-10, 2E-09)*	8E-09	*(7E-09, 8E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	8E-09	*(6E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(1E-07, 5E-07)*	3E-05	*	*	*	*	*
ARSENIC	2E-06	*(2E-06, 4E-06)*	9E-05	*(4E-05, 9E-05)*	1E-04	*(9E-05, 2E-04)*	*	*
BARIUM	3E-07	*(2E-07, 4E-07)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(6E-06, 5E-05)*	*	*
BERYLLIUM	4E-07	*(3E-07, 6E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 1E-05)*	*	*
CADMIUM	8E-05	*(6E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*	*	*
CHROMIUM (III)	6E-09	*(4E-09, 8E-09)*	5E-08	*(4E-08, 6E-08)*	9E-08	*(7E-08, 9E-08)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	4E-08	*(9E-09, 9E-08)*	3E-07	*	*	*	*	*
COBALT	6E-09	*(5E-09, 7E-09)*	4E-08	*(4E-08, 5E-08)*	6E-08	*(5E-08, 6E-08)*	9E-08	*(8E-08, 9E-08)*
MANGANESE	9E-09	*(7E-09, 1E-08)*	3E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-05	*(1E-05, 3E-05)*	9E-05	*(8E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	6E-04	*(2E-04, 8E-04)*
MERCURY (METHYL)	2E-02	*(1E-02, 4E-02)*	2E-01	*(2E-01, 3E-01)*	*	*	*	*
NICKEL	9E-08	*(6E-08, 1E-07)*	2E-06	*(6E-07, 3E-06)*	6E-06	*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	2E-09	*(9E-10, 2E-08)*	2E-06	*(6E-08, 3E-06)*	4E-06	*(3E-06, 4E-06)*	*	*
THALLIUM	1E-04	*(9E-05, 3E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(6E-03, 2E-02)*	*	*
Hazard Index	3E-02	*(2E-02, 5E-02)*	3E-01	*(3E-01, 4E-01)*	4E-01	*(3E-01, 5E-01)*	6E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 5E-06)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-03	*(4E-03, 1E-02)*	4E-02	*(4E-02, 5E-02)*	5E-02	*(5E-02, 6E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B69. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 2E-07)*	9E-07	*(8E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	5E-06	*(5E-06, 5E-06)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 5E-09)*	6E-09	*(5E-09, 8E-09)*	*	*
Additive Risk	2E-07	*(2E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	5E-06	*(5E-06, 5E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 2E-10)*	5E-10	*(4E-10, 6E-10)*	7E-10	*(6E-10, 8E-10)*	5E-09	*(5E-09, 5E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 4E-09)*	5E-09	*(2E-09, 5E-09)*	8E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	9E-10	*(9E-10, 9E-10)*
CADMIUM	6E-10	*(4E-10, 7E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 8E-09)*	9E-09	*(8E-09, 1E-08)*	7E-08	*(7E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(2E-06, 1E-05)*	3E-04	*(6E-05, 4E-04)*	4E-04	*(1E-04, 5E-04)*	5E-04	*(5E-04, 6E-04)*
ARSENIC	5E-06	*(4E-06, 8E-06)*	7E-05	*(5E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
BARIUM	2E-06	*(1E-06, 2E-06)*	3E-05	*(1E-05, 8E-05)*	9E-05	*(3E-05, 1E-04)*	*	*
BERYLLIUM	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 6E-06)*	7E-06	*
CADMIUM	1E-04	*(1E-04, 2E-04)*	1E-03	*(9E-04, 1E-03)*	1E-03	*(1E-03, 1E-03)*	7E-03	*(7E-03, 7E-03)*
CHROMIUM (III)	7E-08	*(6E-08, 9E-08)*	6E-07	*(5E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(3E-06, 3E-06)*
CHROMIUM (VI)	5E-07	*(3E-07, 7E-07)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*	*	*
COBALT	8E-07	*(6E-07, 9E-07)*	5E-06	*(4E-06, 5E-06)*	6E-06	*(5E-06, 7E-06)*	*	*
MANGANESE	1E-07	*(9E-08, 1E-07)*	9E-07	*(8E-07, 1E-06)*	1E-06	*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 2E-04)*	7E-04	*(6E-04, 8E-04)*	9E-04	*(8E-04, 9E-04)*	3E-03	*
MERCURY (METHYL)	1E-02	*(6E-03, 2E-02)*	6E-02	*	*	*	*	*
NICKEL	1E-06	*(9E-07, 1E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(1E-05, 4E-05)*	9E-05	*(8E-05, 9E-05)*
SELENIUM	3E-04	*(2E-04, 6E-04)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	7E-02	*(7E-02, 7E-02)*
SILVER	8E-06	*(6E-06, 1E-05)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-03	*(4E-03, 4E-03)*
THALLIUM	5E-04	*(3E-04, 7E-04)*	9E-03	*(5E-03, 2E-02)*	3E-02	*(9E-03, 5E-02)*	1E-01	*
Hazard Index	2E-02	*(2E-02, 3E-02)*	8E-02	*(6E-02, 8E-02)*	8E-02	*(8E-02, 1E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-06	*(4E-06, 5E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-03	*(4E-03, 6E-03)*	2E-02	*(2E-02, 2E-02)*	3E-02	*(3E-02, 3E-02)*	*	*
TCDD-TEQ	7E-03	*(6E-03, 8E-03)*	3E-02	*(3E-02, 4E-02)*	4E-02	*(4E-02, 5E-02)*	2E-01	*(2E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B70. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(8E-08, 2E-07)*	9E-07	*(8E-07, 9E-07)*	9E-07	*(9E-07, 1E-06)*	*	*
ARSENIC	9E-11	*(8E-11, 1E-10)*	3E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	2E-08	*(8E-09, 2E-08)*
Additive Risk	2E-07	*(9E-08, 3E-07)*	1E-06	*(8E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 2E-10)*	5E-10	*(4E-10, 6E-10)*	7E-10	*(6E-10, 8E-10)*	5E-09	*(5E-09, 5E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	8E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	3E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	8E-10	*(8E-10, 8E-10)*
CADMIUM	5E-10	*(4E-10, 7E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	4E-08	*(4E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 3E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(1E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	1E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 8E-09)*	9E-09	*(5E-09, 1E-08)*	6E-08	*(6E-08, 6E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 2E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 2E-06)*	6E-05	*(3E-05, 6E-05)*	8E-05	*(6E-05, 9E-05)*	*	*
BARIUM	1E-07	*(1E-07, 2E-07)*	9E-06	*(1E-06, 2E-05)*	2E-05	*(3E-06, 2E-05)*	*	*
BERYLLIUM	2E-07	*(1E-07, 3E-07)*	5E-06	*(1E-06, 8E-06)*	8E-06	*	*	*
CADMIUM	5E-05	*(4E-05, 1E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 2E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	3E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	9E-09	*(7E-09, 1E-08)*	3E-07	*	*	*	*	*
MANGANESE	6E-09	*(4E-09, 9E-09)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	9E-06	*(8E-06, 1E-05)*	6E-05	*(4E-05, 7E-05)*	8E-05	*(6E-05, 9E-05)*	3E-04	*(1E-04, 4E-04)*
MERCURY (METHYL)	1E-02	*(8E-03, 3E-02)*	2E-01	*(1E-01, 2E-01)*	*	*	*	*
NICKEL	6E-08	*(4E-08, 8E-08)*	1E-06	*(4E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*	*	*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	9E-10	*(5E-10, 8E-09)*	1E-06	*(4E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-03	*(2E-03, 1E-02)*	1E-02	*(4E-03, 2E-02)*	*	*
Hazard Index	2E-02	*(1E-02, 3E-02)*	2E-01	*(2E-01, 3E-01)*	3E-01	*(2E-01, 4E-01)*	4E-01	*(4E-01, 4E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 5E-06)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-03	*(2E-03, 6E-03)*	2E-02	*(2E-02, 3E-02)*	3E-02	*	*	*
TCDD-TEQ	6E-03	*(3E-03, 9E-03)*	4E-02	*(3E-02, 4E-02)*	4E-02	*(4E-02, 5E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B71. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(2E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(6E-06, 6E-06)*
ARSENIC	6E-10	*(4E-10, 8E-10)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	2E-07	*(2E-07, 3E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 2E-06)*	6E-06	*(6E-06, 6E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 3E-10)*	7E-10	*(6E-10, 8E-10)*	1E-09	*(9E-10, 1E-09)*	8E-09	*(8E-09, 8E-09)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	8E-10	*(7E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	4E-09	*(4E-09, 4E-09)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 8E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	8E-09	*(5E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(2E-06, 1E-05)*	2E-04	*(4E-05, 4E-04)*	5E-04	*(1E-04, 5E-04)*	*	*
ARSENIC	5E-06	*(4E-06, 8E-06)*	8E-05	*(5E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
BARIUM	9E-07	*(7E-07, 1E-06)*	2E-05	*(7E-06, 5E-05)*	6E-05	*(2E-05, 9E-05)*	1E-04	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	2E-06	*(9E-07, 3E-06)*	4E-06	*(2E-06, 5E-06)*	7E-06	*
CADMIUM	2E-04	*(1E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	4E-08	*(3E-08, 5E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(6E-07, 7E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
COBALT	5E-07	*(4E-07, 7E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*
MANGANESE	8E-08	*(6E-08, 9E-08)*	8E-07	*(5E-07, 9E-07)*	9E-07	*(7E-07, 1E-06)*	*	*
MERCURY (DIVALENT)	1E-04	*(9E-05, 1E-04)*	4E-04	*(3E-04, 4E-04)*	5E-04	*(5E-04, 6E-04)*	2E-03	*
MERCURY (METHYL)	1E-02	*(7E-03, 2E-02)*	6E-02	*	*	*	*	*
NICKEL	7E-07	*(5E-07, 9E-07)*	7E-06	*(5E-06, 9E-06)*	1E-05	*(8E-06, 2E-05)*	6E-05	*(5E-05, 6E-05)*
SELENIUM	4E-04	*(2E-04, 7E-04)*	9E-03	*(7E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	8E-02	*(8E-02, 8E-02)*
SILVER	3E-06	*(2E-06, 5E-06)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(7E-05, 9E-05)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	4E-04	*(3E-04, 7E-04)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(9E-03, 4E-02)*	1E-01	*
Hazard Index	3E-02	*(2E-02, 4E-02)*	8E-02	*(7E-02, 9E-02)*	9E-02	*(9E-02, 1E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-06	*(4E-06, 5E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	3E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-03	*(3E-03, 5E-03)*	2E-02	*(2E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*	7E-02	*(7E-02, 7E-02)*
TCDD-TEQ	4E-03	*(4E-03, 5E-03)*	2E-02	*(2E-02, 3E-02)*	3E-02	*(3E-02, 4E-02)*	1E-01	*(1E-01, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B72. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(1E-07, 4E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 2E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 2E-10)*	6E-09	*(3E-09, 7E-09)*	8E-09	*(7E-09, 1E-08)*	*	*
Additive Risk	3E-07	*(1E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 2E-10)*	5E-10	*(4E-10, 6E-10)*	7E-10	*(6E-10, 8E-10)*	5E-09	*(5E-09, 5E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	8E-10	*(8E-10, 8E-10)*
CADMIUM	5E-10	*(4E-10, 6E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	4E-08	*(4E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 3E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(1E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	1E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 8E-09)*	9E-09	*(5E-09, 1E-08)*	6E-08	*(6E-08, 6E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 2E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 2E-06)*	6E-05	*(3E-05, 7E-05)*	8E-05	*(7E-05, 9E-05)*	*	*
BARIUM	8E-08	*(5E-08, 1E-07)*	4E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	*	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	5E-06	*(1E-06, 7E-06)*	8E-06	*(2E-06, 9E-06)*	*	*
CADMIUM	5E-05	*(4E-05, 1E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 1E-09)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	8E-08	*(8E-08, 8E-08)*
CHROMIUM (VI)	2E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	6E-09	*(4E-09, 9E-09)*	4E-07	*	*	*	*	*
MANGANESE	4E-09	*(2E-09, 6E-09)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	5E-06	*(3E-06, 7E-06)*	3E-05	*(2E-05, 3E-05)*	4E-05	*(3E-05, 4E-05)*	1E-04	*
MERCURY (METHYL)	1E-02	*(8E-03, 3E-02)*	2E-01	*(1E-01, 2E-01)*	*	*	*	*
NICKEL	5E-08	*(3E-08, 8E-08)*	1E-06	*(4E-07, 2E-06)*	*	*	*	*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	9E-10	*(4E-10, 8E-09)*	1E-06	*(4E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-03	*(2E-03, 1E-02)*	1E-02	*(4E-03, 2E-02)*	*	*
Hazard Index	2E-02	*(1E-02, 3E-02)*	2E-01	*(2E-01, 3E-01)*	3E-01	*(2E-01, 4E-01)*	4E-01	*(4E-01, 4E-01)*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(5E-06, 1E-05)*	2E-04	*(6E-05, 4E-04)*	4E-04	*(2E-04, 6E-04)*	7E-04	*
CHLORINE (CL2)	3E-04	*(1E-04, 3E-04)*	3E-03	*(2E-03, 4E-03)*	4E-03	*(3E-03, 6E-03)*	8E-03	*
HYDROGEN CHLORIDE (HCL)	7E-04	*(6E-04, 9E-04)*	2E-03	*(2E-03, 3E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	2E-05	*(2E-05, 3E-05)*	1E-04	*(8E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	7E-04	*(7E-04, 7E-04)*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 3E-06)*	1E-05	*(8E-06, 1E-05)*	1E-05	*(1E-05, 1E-05)*	2E-05	*
Hazard Index	1E-03	*(9E-04, 1E-03)*	5E-03	*(3E-03, 6E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-03	*(3E-03, 7E-03)*	3E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 4E-02)*	*	*
TCDD-TEQ	6E-03	*(3E-03, 8E-03)*	4E-02	*(3E-02, 4E-02)*	4E-02	*(4E-02, 4E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B73. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(6E-08, 8E-07)*	9E-06	*	*	*	*	*
ARSENIC	6E-10	*(1E-10, 2E-09)*	*	*	*	*	*	*
Additive Risk	2E-07	*(6E-08, 8E-07)*	9E-06	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(7E-09, 1E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 8E-09)*	6E-08	*(3E-08, 8E-08)*	1E-07	*(7E-08, 1E-07)*	*	*
CHROMIUM (VI)	9E-10	*(8E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	7E-11	*(6E-11, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(7E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 1E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	5E-05	*(4E-05, 5E-05)*	*	*	*	*	*	*
ARSENIC	1E-05	*(4E-06, 5E-05)*	*	*	*	*	*	*
BARIUM	3E-06	*(3E-06, 4E-06)*	3E-05	*	*	*	*	*
BERYLLIUM	9E-07	*(5E-07, 1E-06)*	7E-06	*	*	*	*	*
CADMIUM	8E-05	*(2E-05, 8E-04)*	1E-02	*	*	*	*	*
CHROMIUM (III)	3E-07	*(8E-08, 5E-07)*	*	*	*	*	*	*
CHROMIUM (VI)	2E-06	*(2E-06, 3E-06)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 3E-05)*	*	*
COBALT	3E-06	*(3E-06, 3E-06)*	3E-05	*	*	*	*	*
MANGANESE	2E-07	*(6E-08, 8E-07)*	4E-06	*(1E-06, 7E-06)*	8E-06	*(6E-06, 8E-06)*	*	*
MERCURY (DIVALENT)	9E-04	*(9E-04, 1E-03)*	7E-03	*(3E-03, 1E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	1E-05	*(4E-06, 2E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(2E-04, 3E-04)*	2E-03	*	*	*	*	*
SILVER	3E-04	*(9E-05, 6E-04)*	1E-02	*	*	*	*	*
THALLIUM	6E-04	*(5E-04, 9E-04)*	*	*	*	*	*	*
Hazard Index	6E-02	*(4E-02, 8E-02)*	1E-01	*(9E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	4E-06	*(4E-06, 4E-06)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-03	*(3E-03, 5E-02)*	5E-01	*(2E-01, 8E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B74. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 1E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*	*	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 1E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 5E-10)*	5E-09	*(2E-09, 8E-09)*	1E-08	*(5E-09, 1E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
BERYLLIUM	3E-11	*(2E-11, 8E-11)*	9E-10	*(3E-10, 1E-09)*	2E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	5E-11	*(4E-11, 4E-09)*	5E-08	*(2E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	*	*
NICKEL	7E-11	*(6E-11, 5E-10)*	5E-09	*(2E-09, 8E-09)*	1E-08	*(5E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 6E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*	*	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 1E-05)*	7E-05	*(4E-05, 7E-05)*	8E-05	*(7E-05, 8E-05)*	*	*
BARIUM	5E-07	*(4E-07, 7E-07)*	3E-06	*	*	*	*	*
BERYLLIUM	9E-07	*(5E-07, 1E-06)*	4E-06	*	*	*	*	*
CADMIUM	2E-05	*(1E-05, 4E-04)*	*	*	*	*	*	*
CHROMIUM (III)	2E-08	*(8E-09, 4E-08)*	4E-07	*	*	*	*	*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	3E-07	*	*	*	*	*
COBALT	2E-08	*(2E-08, 2E-08)*	2E-07	*	*	*	*	*
MANGANESE	7E-09	*(2E-09, 1E-07)*	7E-07	*(5E-07, 8E-07)*	9E-07	*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 2E-04)*	2E-03	*	*	*	*	*
MERCURY (METHYL)	9E-02	*(9E-02, 9E-02)*	*	*	*	*	*	*
NICKEL	9E-08	*	*	*	*	*	*	*
SELENIUM	9E-05	*(9E-05, 1E-04)*	*	*	*	*	*	*
SILVER	2E-09	*	*	*	*	*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-04	*(4E-04, 6E-04)*	6E-04	*(5E-04, 6E-04)*	*	*
Hazard Index	1E-01	*(1E-01, 1E-01)*	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	4E-06	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(8E-04, 6E-03)*	*	*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B75. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(5E-08, 9E-07)*	7E-06	*(3E-06, 9E-06)*	*	*	*	*
ARSENIC	5E-10	*(1E-10, 1E-09)*	6E-09	*	*	*	*	*
Additive Risk	1E-07	*(5E-08, 9E-07)*	7E-06	*(3E-06, 1E-05)*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 1E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	*	*
BERYLLIUM	4E-11	*(3E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	7E-11	*(5E-11, 9E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(8E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*	*	*
NICKEL	9E-11	*(7E-11, 1E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 1E-08)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(3E-05, 3E-05)*	*	*	*	*	*	*
ARSENIC	9E-06	*(2E-06, 3E-05)*	*	*	*	*	*	*
BARIUM	1E-06	*(1E-06, 2E-06)*	*	*	*	*	*	*
BERYLLIUM	6E-07	*(2E-07, 8E-07)*	3E-06	*(1E-06, 6E-06)*	7E-06	*(5E-06, 7E-06)*	*	*
CADMIUM	6E-05	*(9E-06, 8E-04)*	*	*	*	*	*	*
CHROMIUM (III)	1E-07	*(5E-08, 3E-07)*	5E-06	*	*	*	*	*
CHROMIUM (VI)	1E-06	*(9E-07, 2E-06)*	8E-06	*(5E-06, 1E-05)*	*	*	*	*
COBALT	2E-06	*(1E-06, 2E-06)*	1E-05	*	*	*	*	*
MANGANESE	1E-07	*(3E-08, 4E-07)*	2E-06	*	*	*	*	*
MERCURY (DIVALENT)	6E-04	*(5E-04, 8E-04)*	6E-03	*(2E-03, 7E-03)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	8E-06	*(2E-06, 1E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(1E-04, 2E-04)*	2E-03	*	*	*	*	*
SILVER	1E-04	*(4E-05, 4E-04)*	*	*	*	*	*	*
THALLIUM	4E-04	*(3E-04, 6E-04)*	4E-03	*	*	*	*	*
Hazard Index	4E-02	*(3E-02, 6E-02)*	8E-02	*(7E-02, 1E-01)*	1E-01	*(9E-02, 1E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	4E-06	*(4E-06, 4E-06)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-03	*(2E-03, 3E-02)*	3E-01	*(1E-01, 4E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B76. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*(5E-11, 3E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	*	*
Additive Risk	3E-08	*(2E-08, 2E-07)*	7E-07	*(4E-07, 8E-07)*	8E-07	*(7E-07, 9E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 6E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 9E-11)*	1E-09	*(4E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 5E-09)*	6E-08	*(2E-08, 9E-08)*	1E-07	*(6E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	8E-11	*(7E-11, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 7E-09)*	8E-08	*(3E-08, 1E-07)*	1E-07	*(8E-08, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 7E-06)*	3E-05	*(2E-05, 4E-05)*	4E-05	*(3E-05, 4E-05)*	*	*
BARIUM	2E-07	*(8E-08, 3E-07)*	8E-07	*(7E-07, 1E-06)*	2E-06	*(8E-07, 2E-06)*	*	*
BERYLLIUM	5E-07	*(3E-07, 8E-07)*	2E-06	*	*	*	*	*
CADMIUM	2E-05	*(1E-05, 3E-04)*	*	*	*	*	*	*
CHROMIUM (III)	6E-09	*(2E-09, 9E-09)*	1E-07	*	*	*	*	*
CHROMIUM (VI)	7E-08	*	*	*	*	*	*	*
COBALT	6E-09	*(5E-09, 6E-09)*	4E-08	*	*	*	*	*
MANGANESE	2E-09	*	*	*	*	*	*	*
MERCURY (DIVALENT)	6E-05	*(5E-05, 6E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*	*	*
MERCURY (METHYL)	9E-02	*(9E-02, 9E-02)*	*	*	*	*	*	*
NICKEL	6E-08	*(4E-08, 1E-06)*	8E-06	*	*	*	*	*
SELENIUM	8E-05	*(8E-05, 9E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	1E-04	*(5E-05, 2E-04)*	*	*	*	*	*	*
Hazard Index	1E-01	*(1E-01, 1E-01)*	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	4E-06	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 6E-03)*	*	*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B77. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(2E-08, 4E-07)*	4E-06	*(2E-06, 6E-06)*	7E-06	*(5E-06, 8E-06)*	*	*
ARSENIC	3E-10	*(8E-11, 9E-10)*	3E-09	*	*	*	*	*
Additive Risk	7E-08	*(2E-08, 4E-07)*	4E-06	*(2E-06, 6E-06)*	7E-06	*(5E-06, 8E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 6E-10)*	5E-09	*(2E-09, 7E-09)*	8E-09	*(5E-09, 9E-09)*	*	*
ARSENIC	1E-10	*(8E-11, 7E-10)*	5E-09	*(2E-09, 7E-09)*	9E-09	*(6E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 1E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 6E-09)*	4E-08	*(2E-08, 6E-08)*	7E-08	*(5E-08, 9E-08)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	6E-11	*(4E-11, 6E-10)*	5E-09	*(2E-09, 7E-09)*	8E-09	*(5E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 8E-09)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(7E-08, 1E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(1E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*	5E-05	*(4E-05, 5E-05)*	*	*
ARSENIC	5E-06	*(1E-06, 2E-05)*	6E-05	*	*	*	*	*
BARIUM	8E-07	*(6E-07, 9E-07)*	*	*	*	*	*	*
BERYLLIUM	3E-07	*(8E-08, 4E-07)*	2E-06	*	*	*	*	*
CADMIUM	3E-05	*(7E-06, 5E-04)*	5E-03	*	*	*	*	*
CHROMIUM (III)	8E-08	*(2E-08, 1E-07)*	2E-06	*	*	*	*	*
CHROMIUM (VI)	6E-07	*(5E-07, 8E-07)*	6E-06	*(2E-06, 7E-06)*	*	*	*	*
COBALT	9E-07	*(9E-07, 1E-06)*	*	*	*	*	*	*
MANGANESE	7E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
MERCURY (DIVALENT)	3E-04	*(2E-04, 4E-04)*	3E-03	*(1E-03, 4E-03)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	4E-06	*(9E-07, 8E-06)*	5E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 9E-05)*	*	*	*	*	*	*
SILVER	8E-05	*(2E-05, 2E-04)*	3E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	2E-03	*	*	*	*	*
Hazard Index	3E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 5E-02)*	5E-02	*(5E-02, 5E-02)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	4E-06	*(4E-06, 4E-06)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(7E-04, 8E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(9E-04, 2E-02)*	1E-01	*(6E-02, 2E-01)*	2E-01	*(2E-01, 3E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B78. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 1E-07)*	*	*	*	*	*	*
ARSENIC	6E-11	*(3E-11, 2E-10)*	*	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 1E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 3E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
ARSENIC	1E-10	*(8E-11, 4E-10)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(4E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 6E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 3E-09)*	4E-08	*(1E-08, 6E-08)*	7E-08	*(4E-08, 8E-08)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 4E-09)*	5E-08	*(2E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 1E-05)*	*	*	*	*	*	*
BARIUM	1E-07	*(7E-08, 2E-07)*	4E-07	*	*	*	*	*
BERYLLIUM	3E-07	*(2E-07, 5E-07)*	1E-06	*	*	*	*	*
CADMIUM	1E-05	*(5E-06, 3E-04)*	*	*	*	*	*	*
CHROMIUM (III)	3E-09	*(9E-10, 6E-09)*	6E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	8E-09	*	*	*	*	*	*	*
MANGANESE	6E-10	*(3E-10, 3E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	3E-05	*(3E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*	*	*
MERCURY (METHYL)	7E-02	*(6E-02, 7E-02)*	*	*	*	*	*	*
NICKEL	4E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
Hazard Index	7E-02	*(7E-02, 7E-02)*	2E-01	*(2E-01, 2E-01)*	2E-01	*(2E-01, 2E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	4E-06	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(4E-04, 4E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 6E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 2E-02)*	2E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B79. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(3E-08, 4E-07)*	4E-06	*(2E-06, 7E-06)*	*	*	*	*
ARSENIC	5E-10	*(1E-10, 2E-09)*	*	*	*	*	*	*
Additive Risk	1E-07	*(3E-08, 4E-07)*	4E-06	*(2E-06, 7E-06)*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 9E-09)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(7E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(9E-10, 1E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	8E-11	*(6E-11, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 1E-08)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(9E-06, 1E-05)*	*	*	*	*	*	*
ARSENIC	5E-06	*(1E-06, 2E-05)*	6E-05	*	*	*	*	*
BARIUM	4E-07	*(4E-07, 5E-07)*	3E-06	*(2E-06, 6E-06)*	7E-06	*(5E-06, 7E-06)*	*	*
BERYLLIUM	3E-07	*(8E-08, 4E-07)*	*	*	*	*	*	*
CADMIUM	3E-05	*(8E-06, 6E-04)*	*	*	*	*	*	*
CHROMIUM (III)	5E-08	*(1E-08, 7E-08)*	1E-06	*	*	*	*	*
CHROMIUM (VI)	3E-07	*(3E-07, 4E-07)*	3E-06	*(1E-06, 4E-06)*	*	*	*	*
COBALT	7E-07	*(5E-07, 8E-07)*	4E-06	*(3E-06, 7E-06)*	*	*	*	*
MANGANESE	5E-08	*(8E-09, 2E-07)*	7E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	2E-06	*(6E-07, 8E-06)*	3E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 1E-04)*	*	*	*	*	*	*
SILVER	3E-05	*(9E-06, 9E-05)*	1E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	*	*	*	*	*	*
Hazard Index	2E-02	*(2E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*	6E-02	*(5E-02, 6E-02)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*	4E-06	*(4E-06, 4E-06)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(5E-04, 8E-03)*	7E-02	*(3E-02, 9E-02)*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 9E-03)*	8E-02	*(3E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B80. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	1E-10	*	*	*	*	*	*	*
Additive Risk	6E-08	*(3E-08, 2E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 3E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
ARSENIC	9E-11	*(8E-11, 4E-10)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(4E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 6E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 1E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 3E-09)*	4E-08	*(1E-08, 6E-08)*	7E-08	*(4E-08, 8E-08)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 4E-09)*	5E-08	*(2E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*	*	*	*	*	*	*
ARSENIC	9E-07	*	*	*	*	*	*	*
BARIUM	5E-08	*(2E-08, 1E-07)*	3E-07	*	*	*	*	*
BERYLLIUM	2E-07	*(9E-08, 5E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(9E-07, 1E-06)*	*	*
CADMIUM	1E-05	*(5E-06, 2E-04)*	*	*	*	*	*	*
CHROMIUM (III)	1E-09	*(5E-10, 2E-09)*	2E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	4E-09	*	*	*	*	*	*	*
MANGANESE	4E-10	*	*	*	*	*	*	*
MERCURY (DIVALENT)	2E-05	*(1E-05, 2E-05)*	8E-05	*	*	*	*	*
MERCURY (METHYL)	7E-02	*(6E-02, 7E-02)*	*	*	*	*	*	*
NICKEL	3E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	1E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*	*	*
Hazard Index	7E-02	*(7E-02, 7E-02)*	2E-01	*(2E-01, 2E-01)*	2E-01	*(2E-01, 2E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(4E-06, 7E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	*	*
CHLORINE (CL2)	5E-05	*(4E-05, 6E-05)*	8E-05	*(7E-05, 8E-05)*	8E-05	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 2E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
MANGANESE	5E-06	*(5E-06, 5E-05)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	*	*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	3E-06	*	*	*
Hazard Index	9E-05	*(9E-05, 1E-04)*	8E-04	*(3E-04, 1E-03)*	2E-03	*(8E-04, 2E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(4E-04, 4E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 6E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 2E-02)*	2E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B81. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	8E-07	6E-06	9E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	9E-07	6E-06	**1E-05**	*
Cancer - Inhalation				
TCDD-TEQ	4E-10	4E-09	6E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	6E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	8E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	2E-05	3E-04	9E-04	*
ARSENIC	2E-05	2E-04	3E-04	*
BARIUM	1E-06	2E-05	4E-05	*
BERYLLIUM	4E-07	4E-06	*	*
CADMIUM	1E-04	1E-03	2E-03	*
CHROMIUM (III)	3E-07	3E-06	5E-06	*
CHROMIUM (VI)	1E-06	2E-05	4E-05	*
COBALT	1E-06	1E-05	*	*
MANGANESE	2E-07	2E-06	3E-06	*
MERCURY (DIVALENT)	3E-04	1E-03	2E-03	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	4E-06	7E-05	3E-04	*
SELENIUM	6E-05	7E-04	9E-04	*
SILVER	2E-05	2E-04	3E-04	*
THALLIUM	2E-04	2E-03	*	*
Hazard Index	2E-02	6E-02	6E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	4E-02	2E-01	5E-01	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B82. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	8E-08	4E-07	5E-07	*
ARSENIC	5E-10	1E-09	2E-09	*
Additive Risk	9E-08	5E-07	5E-07	*
Cancer - Inhalation				
TCDD-TEQ	4E-10	3E-09	6E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	5E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	8E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	8E-05	9E-05	*
ARSENIC	1E-05	5E-05	6E-05	7E-05
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	5E-07	4E-06	8E-06	*
CADMIUM	3E-05	*	*	*
CHROMIUM (III)	3E-08	3E-07	4E-07	*
CHROMIUM (VI)	1E-07	9E-07	1E-06	1E-06
COBALT	1E-08	9E-08	1E-07	*
MANGANESE	4E-08	9E-08	1E-07	*
MERCURY (DIVALENT)	4E-05	2E-04	2E-04	*
MERCURY (METHYL)	4E-03	3E-02	*	*
NICKEL	4E-07	5E-06	6E-06	*
SELENIUM	8E-06	*	*	*
SILVER	6E-08	*	*	*
THALLIUM	3E-05	2E-04	*	*
Hazard Index	5E-03	4E-02	5E-02	5E-02
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	4E-03	2E-02	*	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B83. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	7E-07	4E-06	8E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	7E-07	5E-06	9E-06	*
Cancer - Inhalation				
TCDD-TEQ	5E-10	4E-09	7E-09	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	5E-10	*
CADMIUM	9E-10	4E-09	7E-09	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	9E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	1E-05	2E-04	6E-04	*
ARSENIC	1E-05	1E-04	2E-04	*
BARIUM	7E-07	1E-05	2E-05	*
BERYLLIUM	1E-07	2E-06	5E-06	*
CADMIUM	9E-05	1E-03	2E-03	*
CHROMIUM (III)	1E-07	1E-06	2E-06	*
CHROMIUM (VI)	9E-07	1E-05	2E-05	*
COBALT	9E-07	7E-06	*	*
MANGANESE	1E-07	9E-07	*	*
MERCURY (DIVALENT)	2E-04	8E-04	9E-04	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	2E-06	4E-05	1E-04	*
SELENIUM	4E-05	5E-04	7E-04	*
SILVER	9E-06	1E-04	2E-04	*
THALLIUM	1E-04	1E-03	*	*
Hazard Index	2E-02	4E-02	4E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	2E-02	1E-01	3E-01	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B84. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	8E-08	5E-07	*	*
ARSENIC	3E-10	1E-09	*	*
Additive Risk	1E-07	6E-07	6E-07	1E-06
Cancer - Inhalation				
TCDD-TEQ	5E-10	3E-09	6E-09	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	4E-10	*
CADMIUM	9E-10	4E-09	6E-09	*
CHROMIUM (VI)	7E-10	6E-09	8E-09	*
NICKEL	2E-10	4E-09	9E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	4E-06	*	*	*
ARSENIC	7E-06	3E-05	*	*
BARIUM	8E-08	9E-07	1E-06	*
BERYLLIUM	2E-07	1E-06	2E-06	*
CADMIUM	2E-05	*	*	*
CHROMIUM (III)	8E-09	8E-08	1E-07	*
CHROMIUM (VI)	6E-08	5E-07	6E-07	7E-07
COBALT	3E-09	2E-08	*	*
MANGANESE	2E-08	4E-08	5E-08	*
MERCURY (DIVALENT)	9E-06	4E-05	6E-05	*
MERCURY (METHYL)	4E-03	3E-02	*	*
NICKEL	2E-07	2E-06	3E-06	4E-06
SELENIUM	8E-06	*	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	2E-04	*	*
Hazard Index	5E-03	4E-02	5E-02	5E-02
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	4E-03	2E-02	*	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B85. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-07	2E-06	4E-06	*
ARSENIC	5E-10	4E-09	7E-09	*
Additive Risk	3E-07	2E-06	4E-06	*
Cancer - Inhalation				
TCDD-TEQ	3E-10	3E-09	5E-09	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	6E-10	3E-09	4E-09	*
CHROMIUM (VI)	5E-10	3E-09	5E-09	*
NICKEL	9E-11	2E-09	6E-09	*
Additive Risk	4E-09	1E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	1E-04	3E-04	*
ARSENIC	9E-06	8E-05	1E-04	*
BARIUM	3E-07	6E-06	8E-06	*
BERYLLIUM	9E-08	9E-07	*	*
CADMIUM	5E-05	6E-04	8E-04	*
CHROMIUM (III)	9E-08	9E-07	1E-06	*
CHROMIUM (VI)	5E-07	6E-06	9E-06	*
COBALT	4E-07	3E-06	4E-06	*
MANGANESE	7E-08	6E-07	7E-07	*
MERCURY (DIVALENT)	9E-05	4E-04	6E-04	*
MERCURY (METHYL)	6E-03	*	*	*
NICKEL	1E-06	2E-05	7E-05	*
SELENIUM	2E-05	2E-04	3E-04	*
SILVER	5E-06	6E-05	8E-05	*
THALLIUM	7E-05	6E-04	*	*
Hazard Index	8E-03	2E-02	2E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	9E-03	6E-02	9E-02	*
TCDD-TEQ	1E-02	8E-02	1E-01	*

[a] Confidence intervals are not applicable since all the lighweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B86. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	8E-08	4E-07	*	*
ARSENIC	2E-10	1E-09	*	*
Additive Risk	8E-08	4E-07	5E-07	8E-07
Cancer - Inhalation				
TCDD-TEQ	3E-10	2E-09	4E-09	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	6E-10	3E-09	4E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	6E-09	*
Additive Risk	4E-09	1E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	*	*	*
ARSENIC	4E-06	2E-05	2E-05	3E-05
BARIUM	4E-08	5E-07	6E-07	*
BERYLLIUM	1E-07	9E-07	1E-06	*
CADMIUM	1E-05	4E-04	*	*
CHROMIUM (III)	4E-09	4E-08	6E-08	*
CHROMIUM (VI)	4E-08	3E-07	4E-07	*
COBALT	2E-08	4E-08	5E-08	*
MANGANESE	1E-08	3E-08	3E-08	*
MERCURY (DIVALENT)	5E-06	2E-05	3E-05	*
MERCURY (METHYL)	3E-03	2E-02	*	*
NICKEL	1E-07	2E-06	2E-06	2E-06
SELENIUM	6E-06	8E-05	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	3E-03	3E-02	4E-02	4E-02
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	2E-03	1E-02	*	*
TCDD-TEQ	3E-03	2E-02	3E-02	3E-02

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B87. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	4E-07	2E-06	5E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	4E-07	3E-06	5E-06	*
Cancer - Inhalation				
TCDD-TEQ	5E-10	4E-09	7E-09	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	9E-10	4E-09	6E-09	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	9E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	7E-05	2E-04	*
ARSENIC	9E-06	8E-05	1E-04	*
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	8E-08	8E-07	1E-06	*
CADMIUM	6E-05	7E-04	9E-04	*
CHROMIUM (III)	5E-08	4E-07	7E-07	*
CHROMIUM (VI)	3E-07	4E-06	5E-06	*
COBALT	2E-07	2E-06	3E-06	*
MANGANESE	5E-08	4E-07	5E-07	*
MERCURY (DIVALENT)	6E-05	2E-04	3E-04	*
MERCURY (METHYL)	5E-03	*	*	*
NICKEL	8E-07	1E-05	4E-05	*
SELENIUM	2E-05	2E-04	4E-04	*
SILVER	2E-06	2E-05	3E-05	*
THALLIUM	6E-05	6E-04	8E-04	*
Hazard Index	9E-03	3E-02	3E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	4E-06	1E-05	2E-05	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	7E-03	5E-02	9E-02	*
TCDD-TEQ	7E-03	5E-02	9E-02	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B88. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	1E-07	7E-07	*	*
ARSENIC	5E-10	2E-09	*	*
Additive Risk	1E-07	7E-07	*	*
Cancer - Inhalation				
TCDD-TEQ	3E-10	2E-09	4E-09	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	6E-10	3E-09	4E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	6E-09	*
Additive Risk	4E-09	1E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	3E-05	*	*
ARSENIC	4E-06	2E-05	2E-05	3E-05
BARIUM	2E-08	2E-07	3E-07	*
BERYLLIUM	7E-08	6E-07	8E-07	*
CADMIUM	1E-05	4E-04	*	*
CHROMIUM (III)	1E-09	1E-08	2E-08	*
CHROMIUM (VI)	4E-08	4E-07	*	*
COBALT	2E-08	*	*	*
MANGANESE	1E-08	2E-08	3E-08	*
MERCURY (DIVALENT)	2E-06	9E-06	1E-05	*
MERCURY (METHYL)	3E-03	2E-02	*	*
NICKEL	1E-07	1E-06	2E-06	2E-06
SELENIUM	6E-06	8E-05	*	*
SILVER	3E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	3E-03	3E-02	4E-02	4E-02
Non-Cancer - Inhalation				
BARIUM	5E-06	4E-05	7E-05	*
CHLORINE (CL2)	9E-05	1E-03	2E-03	*
HYDROGEN CHLORIDE (HCL)	2E-03	7E-03	1E-02	*
MANGANESE	4E-05	1E-04	2E-04	*
MERCURY (ELEMENTAL)	3E-06	9E-06	1E-05	*
Hazard Index	3E-03	9E-03	1E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	2E-03	1E-02	*	*
TCDD-TEQ	3E-03	1E-02	2E-02	2E-02

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B89. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 7E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
ARSENIC	1E-10	*(8E-11, 3E-10)*	7E-09	*(3E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	5E-08	*(3E-08, 8E-08)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 6E-11)*	4E-10	*(4E-10, 5E-10)*	7E-10	*(6E-10, 8E-10)*	1E-09	*
ARSENIC	2E-10	*(9E-11, 4E-10)*	8E-09	*(5E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 3E-10)*	5E-10	*(2E-10, 8E-10)*	1E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(3E-10, 8E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	4E-10	*(3E-10, 6E-10)*	1E-09	*(6E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	8E-07	*(3E-07, 2E-06)*	8E-04	*(1E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	*	*
ARSENIC	4E-06	*(2E-06, 7E-06)*	1E-04	*(8E-05, 4E-04)*	5E-04	*(3E-04, 6E-04)*	9E-04	*(8E-04, 1E-03)*
BARIUM	1E-07	*(9E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	1E-05	*(6E-06, 1E-05)*	6E-05	*(3E-05, 9E-05)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	9E-07	*(4E-07, 1E-06)*	3E-06	*(1E-06, 1E-05)*	3E-05	*(8E-06, 4E-05)*
CADMIUM	1E-05	*(9E-06, 2E-05)*	5E-04	*(3E-04, 6E-04)*	1E-03	*(7E-04, 1E-03)*	5E-03	*(3E-03, 9E-03)*
CHROMIUM (III)	3E-08	*(2E-08, 5E-08)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 5E-06)*
CHROMIUM (VI)	9E-07	*(5E-07, 1E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 7E-05)*	2E-04	*(1E-04, 2E-04)*
COBALT	1E-07	*(9E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	1E-07	*(9E-08, 1E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 8E-06)*
MERCURY (DIVALENT)	6E-05	*(4E-05, 8E-05)*	6E-04	*(5E-04, 7E-04)*	9E-04	*(8E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (METHYL)	2E-04	*(1E-04, 3E-04)*	3E-03	*(1E-03, 6E-03)*	7E-03	*(3E-03, 9E-03)*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	1E-05	*(8E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*	1E-04	*(9E-05, 1E-04)*
SELENIUM	1E-05	*(8E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	9E-04	*(6E-04, 1E-03)*	5E-03	*(2E-03, 7E-03)*
SILVER	3E-06	*(2E-06, 4E-06)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 4E-04)*	3E-03	*(4E-04, 9E-03)*
THALLIUM	8E-06	*(6E-06, 1E-05)*	6E-04	*(3E-04, 9E-04)*	2E-03	*(1E-03, 3E-03)*	1E-02	*(9E-03, 1E-02)*
Hazard Index	6E-04	*(5E-04, 1E-03)*	1E-02	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	6E-07	*(3E-07, 9E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	5E-05	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 3E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(5E-02, 7E-02)*	1E-01	*(9E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B90. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 5E-09)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 5E-07)*	1E-06	*
ARSENIC	8E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 5E-09)*	1E-08	*(2E-09, 2E-08)*	*	*
Additive Risk	4E-09	*(3E-09, 6E-09)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	4E-10	*(3E-10, 5E-10)*	7E-10	*(6E-10, 9E-10)*	2E-09	*(1E-09, 2E-09)*
ARSENIC	2E-10	*(8E-11, 4E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
BERYLLIUM	5E-12	*(3E-12, 6E-12)*	1E-10	*(6E-11, 2E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 1E-09)*	4E-09	*(2E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(2E-08, 2E-07)*	2E-04	*(1E-05, 8E-04)*	2E-03	*(1E-04, 3E-03)*	*	*
ARSENIC	2E-06	*(8E-07, 3E-06)*	4E-05	*(2E-05, 1E-04)*	3E-04	*(6E-05, 5E-04)*	7E-04	*(4E-04, 7E-04)*
BARIUM	3E-08	*(1E-08, 4E-08)*	5E-07	*(4E-07, 7E-07)*	1E-06	*(9E-07, 2E-06)*	9E-06	*(4E-06, 9E-06)*
BERYLLIUM	3E-08	*(2E-08, 4E-08)*	8E-07	*(4E-07, 1E-06)*	3E-06	*(1E-06, 9E-06)*	3E-05	*(8E-06, 4E-05)*
CADMIUM	5E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	8E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	2E-09	*(1E-09, 4E-09)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*
CHROMIUM (VI)	3E-08	*(2E-08, 5E-08)*	2E-06	*(7E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	*	*
COBALT	9E-10	*(6E-10, 9E-10)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(6E-08, 9E-08)*
MANGANESE	1E-08	*(7E-09, 1E-08)*	3E-07	*(1E-07, 6E-07)*	6E-07	*(3E-07, 8E-07)*	9E-07	*
MERCURY (DIVALENT)	3E-07	*(2E-07, 5E-07)*	2E-05	*(8E-06, 3E-05)*	5E-05	*(2E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 3E-05)*	1E-03	*(6E-04, 6E-03)*	9E-03	*(2E-03, 2E-02)*	4E-02	*
NICKEL	1E-08	*(9E-09, 2E-08)*	1E-06	*(6E-07, 4E-06)*	4E-06	*(1E-06, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	1E-09	*(9E-10, 6E-09)*	4E-07	*(9E-08, 7E-07)*	8E-07	*(3E-07, 1E-06)*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 9E-04)*	2E-03	*(1E-03, 2E-03)*
Hazard Index	1E-04	*(7E-05, 2E-04)*	8E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 2E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	4E-07	*(3E-07, 8E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	5E-05	*(4E-05, 6E-05)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(1E-04, 2E-04)*	6E-03	*(3E-03, 8E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B91. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 6E-08)*	6E-07	*(4E-07, 7E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
ARSENIC	1E-10	*(8E-11, 2E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	4E-08	*(3E-08, 6E-08)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 7E-11)*	5E-10	*(4E-10, 6E-10)*	8E-10	*(7E-10, 1E-09)*	2E-09	*
ARSENIC	3E-10	*(1E-10, 5E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*
BERYLLIUM	5E-12	*(4E-12, 8E-12)*	2E-10	*(8E-11, 4E-10)*	5E-10	*(2E-10, 9E-10)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 1E-08)*	3E-08	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	4E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 5E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(2E-07, 1E-06)*	5E-04	*(9E-05, 1E-03)*	1E-03	*(7E-04, 2E-03)*	8E-03	*
ARSENIC	2E-06	*(1E-06, 5E-06)*	1E-04	*(6E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	7E-04	*(5E-04, 8E-04)*
BARIUM	7E-08	*(4E-08, 9E-08)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(3E-06, 9E-06)*	3E-05	*(1E-05, 4E-05)*
BERYLLIUM	1E-08	*(8E-09, 1E-08)*	4E-07	*(2E-07, 8E-07)*	1E-06	*(5E-07, 5E-06)*	1E-05	*(3E-06, 2E-05)*
CADMIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	3E-03	*(2E-03, 7E-03)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	4E-07	*(3E-07, 6E-07)*	8E-07	*(7E-07, 9E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	5E-07	*(3E-07, 8E-07)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	9E-05	*(6E-05, 1E-04)*
COBALT	8E-08	*(6E-08, 9E-08)*	9E-07	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	7E-08	*(5E-08, 9E-08)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	4E-06	*(3E-06, 4E-06)*
MERCURY (DIVALENT)	3E-05	*(2E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(9E-04, 1E-03)*
MERCURY (METHYL)	1E-04	*(8E-05, 2E-04)*	2E-03	*(9E-04, 5E-03)*	5E-03	*(2E-03, 9E-03)*	*	*
NICKEL	2E-07	*(9E-08, 3E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(9E-06, 2E-05)*	7E-05	*(5E-05, 8E-05)*
SELENIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(4E-04, 9E-04)*	3E-03	*(1E-03, 5E-03)*
SILVER	1E-06	*(9E-07, 2E-06)*	4E-05	*(3E-05, 7E-05)*	9E-05	*(7E-05, 2E-04)*	1E-03	*(2E-04, 6E-03)*
THALLIUM	5E-06	*(3E-06, 9E-06)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(8E-04, 2E-03)*	9E-03	*(7E-03, 9E-03)*
Hazard Index	4E-04	*(3E-04, 7E-04)*	9E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	6E-07	*(3E-07, 9E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	5E-05	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(8E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(3E-02, 4E-02)*	7E-02	*(6E-02, 8E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B92. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(3E-09, 7E-09)*	1E-07	*(8E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	*	*
ARSENIC	7E-11	*(2E-11, 9E-11)*	2E-09	*(7E-10, 5E-09)*	9E-09	*	*	*
Additive Risk	5E-09	*(3E-09, 8E-09)*	2E-07	*(9E-08, 3E-07)*	4E-07	*(2E-07, 6E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 6E-11)*	5E-10	*(4E-10, 6E-10)*	8E-10	*(7E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
ARSENIC	2E-10	*(9E-11, 4E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*
BERYLLIUM	5E-12	*(4E-12, 7E-12)*	1E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
CADMIUM	1E-10	*(7E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(3E-10, 9E-10)*	1E-08	*(8E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(3E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(9E-09, 9E-08)*	7E-05	*(4E-06, 3E-04)*	7E-04	*(6E-05, 2E-03)*	*	*
ARSENIC	1E-06	*(4E-07, 2E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(4E-05, 3E-04)*	4E-04	*
BARIUM	9E-09	*(5E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(2E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	3E-07	*(2E-07, 6E-07)*	1E-06	*(4E-07, 4E-06)*	2E-05	*(3E-06, 2E-05)*
CADMIUM	4E-06	*(2E-06, 7E-06)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	8E-10	*(4E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(8E-08, 1E-07)*
CHROMIUM (VI)	2E-08	*(8E-09, 2E-08)*	1E-06	*(5E-07, 6E-06)*	7E-06	*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	7E-09	*(6E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
MANGANESE	4E-09	*(2E-09, 7E-09)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 6E-07)*
MERCURY (DIVALENT)	8E-08	*(5E-08, 1E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(6E-06, 2E-05)*	5E-05	*(3E-05, 6E-05)*
MERCURY (METHYL)	1E-05	*(4E-06, 3E-05)*	1E-03	*(6E-04, 6E-03)*	9E-03	*(2E-03, 2E-02)*	4E-02	*
NICKEL	9E-09	*(4E-09, 1E-08)*	8E-07	*(3E-07, 2E-06)*	2E-06	*(7E-07, 3E-06)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	8E-10	*(3E-10, 2E-09)*	2E-07	*(5E-08, 5E-07)*	6E-07	*(2E-07, 8E-07)*	*	*
THALLIUM	1E-06	*(8E-07, 2E-06)*	7E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 5E-04)*	2E-03	*(8E-04, 2E-03)*
Hazard Index	8E-05	*(6E-05, 2E-04)*	8E-03	*(2E-03, 9E-03)*	1E-02	*(8E-03, 2E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	4E-07	*(3E-07, 8E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	5E-05	*(4E-05, 6E-05)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(9E-05, 2E-04)*	6E-03	*(3E-03, 8E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B93. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 3E-07)*	5E-07	*(4E-07, 6E-07)*	9E-07	*(8E-07, 9E-07)*
ARSENIC	9E-11	*(4E-11, 1E-10)*	3E-09	*(1E-09, 8E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 6E-07)*	9E-07	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 4E-11)*	3E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*
ARSENIC	2E-10	*(7E-11, 3E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	1E-10	*(5E-11, 2E-10)*	3E-10	*(1E-10, 6E-10)*	1E-09	*
CADMIUM	7E-11	*(5E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(8E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(5E-10, 1E-09)*	3E-09	*
Additive Risk	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(9E-08, 6E-07)*	2E-04	*(5E-05, 7E-04)*	9E-04	*(3E-04, 1E-03)*	5E-03	*(1E-03, 6E-03)*
ARSENIC	1E-06	*(8E-07, 2E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	3E-08	*(2E-08, 5E-08)*	8E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 4E-06)*	1E-05	*(8E-06, 2E-05)*
BERYLLIUM	6E-09	*(4E-09, 9E-09)*	2E-07	*(9E-08, 4E-07)*	7E-07	*(3E-07, 3E-06)*	9E-06	*(2E-06, 1E-05)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(3E-04, 6E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	8E-09	*(5E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	7E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	5E-05	*(3E-05, 7E-05)*
COBALT	4E-08	*(3E-08, 5E-08)*	5E-07	*(4E-07, 6E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MANGANESE	3E-08	*(2E-08, 5E-08)*	4E-07	*(3E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
MERCURY (DIVALENT)	1E-05	*(1E-05, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	6E-04	*(5E-04, 9E-04)*
MERCURY (METHYL)	7E-05	*(4E-05, 1E-04)*	1E-03	*(5E-04, 3E-03)*	4E-03	*(9E-04, 6E-03)*	*	*
NICKEL	9E-08	*(4E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	8E-06	*(4E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
SELENIUM	5E-06	*(3E-06, 8E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 2E-03)*
SILVER	7E-07	*(5E-07, 9E-07)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	7E-04	*(9E-05, 3E-03)*
THALLIUM	3E-06	*(2E-06, 4E-06)*	2E-04	*(9E-05, 3E-04)*	7E-04	*(4E-04, 9E-04)*	4E-03	*(3E-03, 5E-03)*
Hazard Index	2E-04	*(2E-04, 4E-04)*	5E-03	*(2E-03, 6E-03)*	7E-03	*(5E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	6E-07	*(3E-07, 9E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	5E-05	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(3E-04, 8E-04)*	8E-03	*(6E-03, 9E-03)*	1E-02	*(1E-02, 1E-02)*	3E-02	*(2E-02, 3E-02)*
TCDD-TEQ	7E-04	*(4E-04, 1E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B94. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 5E-09)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 5E-07)*	1E-06	*
ARSENIC	4E-11	*(1E-11, 7E-11)*	1E-09	*(5E-10, 3E-09)*	8E-09	*(1E-09, 9E-09)*	1E-08	*
Additive Risk	4E-09	*(2E-09, 6E-09)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	3E-10	*(2E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(9E-10, 1E-09)*
ARSENIC	2E-10	*(6E-11, 3E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	9E-11	*(5E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	9E-10	*
CADMIUM	6E-11	*(4E-11, 9E-11)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(7E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	8E-10	*(5E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*
Additive Risk	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(6E-09, 5E-08)*	4E-05	*(2E-06, 3E-04)*	7E-04	*(4E-05, 1E-03)*	*	*
ARSENIC	8E-07	*(3E-07, 1E-06)*	2E-05	*(9E-06, 5E-05)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	5E-09	*(2E-09, 9E-09)*	8E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	1E-06	*(6E-07, 1E-06)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	9E-07	*(2E-07, 2E-06)*	1E-05	*(2E-06, 1E-05)*
CADMIUM	3E-06	*(2E-06, 5E-06)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	4E-10	*(2E-10, 7E-10)*	9E-09	*(8E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*
CHROMIUM (VI)	1E-08	*(5E-09, 1E-08)*	9E-07	*(3E-07, 3E-06)*	4E-06	*	*	*
COBALT	9E-10	*(4E-10, 1E-09)*	4E-08	*(1E-08, 8E-08)*	8E-08	*(3E-08, 9E-08)*	1E-07	*
MANGANESE	2E-09	*(1E-09, 4E-09)*	8E-08	*(3E-08, 2E-07)*	2E-07	*(7E-08, 2E-07)*	3E-07	*
MERCURY (DIVALENT)	4E-08	*(2E-08, 8E-08)*	2E-06	*(1E-06, 5E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(2E-05, 3E-05)*
MERCURY (METHYL)	9E-06	*(3E-06, 2E-05)*	1E-03	*(5E-04, 4E-03)*	6E-03	*(1E-03, 9E-03)*	3E-02	*
NICKEL	5E-09	*(3E-09, 9E-09)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(5E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	6E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	5E-10	*(2E-10, 1E-09)*	2E-07	*(4E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	*	*
THALLIUM	9E-07	*(5E-07, 1E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	6E-05	*(4E-05, 1E-04)*	5E-03	*(2E-03, 6E-03)*	1E-02	*(6E-03, 1E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	4E-07	*(3E-07, 8E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	5E-05	*(4E-05, 6E-05)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-05	*(5E-05, 1E-04)*	3E-03	*(1E-03, 5E-03)*	7E-03	*(4E-03, 9E-03)*	3E-02	*
TCDD-TEQ	1E-04	*(8E-05, 2E-04)*	5E-03	*(2E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B95. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(5E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*
ARSENIC	1E-10	*(8E-11, 3E-10)*	6E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 4E-08)*
Additive Risk	2E-08	*(2E-08, 3E-08)*	3E-07	*(3E-07, 5E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 6E-11)*	5E-10	*(4E-10, 6E-10)*	7E-10	*(6E-10, 9E-10)*	2E-09	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 5E-08)*
BERYLLIUM	5E-12	*(4E-12, 8E-12)*	2E-10	*(7E-11, 4E-10)*	5E-10	*(2E-10, 8E-10)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(9E-08, 4E-07)*	2E-04	*(4E-05, 7E-04)*	9E-04	*(3E-04, 1E-03)*	6E-03	*(1E-03, 6E-03)*
ARSENIC	1E-06	*(8E-07, 3E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	2E-08	*(1E-08, 3E-08)*	4E-07	*(3E-07, 6E-07)*	1E-06	*(7E-07, 2E-06)*	8E-06	*(4E-06, 9E-06)*
BERYLLIUM	5E-09	*(3E-09, 9E-09)*	1E-07	*(9E-08, 3E-07)*	5E-07	*(2E-07, 2E-06)*	7E-06	*(1E-06, 9E-06)*
CADMIUM	6E-06	*(4E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 7E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	4E-09	*(2E-09, 7E-09)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(5E-07, 7E-07)*
CHROMIUM (VI)	1E-07	*(9E-08, 2E-07)*	6E-06	*(3E-06, 8E-06)*	1E-05	*(6E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	2E-08	*(2E-08, 3E-08)*	3E-07	*(3E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(1E-06, 2E-06)*
MANGANESE	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 6E-07)*	1E-06	*(9E-07, 1E-06)*
MERCURY (DIVALENT)	9E-06	*(7E-06, 1E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(3E-04, 5E-04)*
MERCURY (METHYL)	6E-05	*(4E-05, 9E-05)*	9E-04	*(5E-04, 2E-03)*	3E-03	*(9E-04, 5E-03)*	*	*
NICKEL	6E-08	*(3E-08, 1E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
SELENIUM	6E-06	*(3E-06, 9E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	4E-07	*(2E-07, 5E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 4E-05)*	4E-04	*(4E-05, 1E-03)*
THALLIUM	3E-06	*(1E-06, 4E-06)*	2E-04	*(9E-05, 3E-04)*	6E-04	*(3E-04, 9E-04)*	3E-03	*(3E-03, 5E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	5E-03	*(2E-03, 6E-03)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	6E-07	*(3E-07, 9E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	5E-05	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(2E-04, 5E-04)*	6E-03	*(4E-03, 7E-03)*	9E-03	*(9E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*
TCDD-TEQ	4E-04	*(2E-04, 6E-04)*	6E-03	*(5E-03, 8E-03)*	1E-02	*(9E-03, 1E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B96. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(3E-09, 9E-09)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(2E-07, 8E-07)*	*	*
ARSENIC	7E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 5E-09)*	1E-08	*(3E-09, 2E-08)*	3E-08	*
Additive Risk	7E-09	*(4E-09, 1E-08)*	3E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 9E-07)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	3E-10	*(2E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(9E-10, 1E-09)*
ARSENIC	2E-10	*(6E-11, 3E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	9E-11	*(5E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	9E-10	*
CADMIUM	6E-11	*(4E-11, 9E-11)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(7E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(5E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*
Additive Risk	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(6E-09, 5E-08)*	5E-05	*(2E-06, 3E-04)*	8E-04	*(4E-05, 1E-03)*	*	*
ARSENIC	7E-07	*(2E-07, 1E-06)*	2E-05	*(9E-06, 5E-05)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	2E-09	*(9E-10, 5E-09)*	6E-08	*(3E-08, 8E-08)*	1E-07	*(7E-08, 1E-07)*	5E-07	*(2E-07, 7E-07)*
BERYLLIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	6E-07	*(1E-07, 1E-06)*	1E-05	*(1E-06, 1E-05)*
CADMIUM	3E-06	*(1E-06, 5E-06)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	2E-10	*(1E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	8E-09	*(6E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
CHROMIUM (VI)	1E-08	*(4E-09, 1E-08)*	1E-06	*(3E-07, 4E-06)*	4E-06	*(1E-06, 7E-06)*	*	*
COBALT	7E-10	*(3E-10, 1E-09)*	5E-08	*(9E-09, 9E-08)*	9E-08	*(3E-08, 1E-07)*	1E-07	*
MANGANESE	2E-09	*(9E-10, 4E-09)*	1E-07	*(3E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	4E-07	*
MERCURY (DIVALENT)	2E-08	*(1E-08, 4E-08)*	1E-06	*(5E-07, 2E-06)*	3E-06	*(1E-06, 6E-06)*	1E-05	*(8E-06, 1E-05)*
MERCURY (METHYL)	9E-06	*(3E-06, 2E-05)*	1E-03	*(5E-04, 4E-03)*	6E-03	*(1E-03, 9E-03)*	3E-02	*
NICKEL	5E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(5E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	6E-10	*(1E-10, 1E-09)*	2E-07	*(4E-08, 4E-07)*	5E-07	*(1E-07, 6E-07)*	*	*
THALLIUM	9E-07	*(5E-07, 1E-06)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(8E-05, 4E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	6E-05	*(4E-05, 1E-04)*	6E-03	*(2E-03, 7E-03)*	1E-02	*(6E-03, 1E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	8E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 6E-05)*	1E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 4E-04)*	5E-03	*(3E-03, 7E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*
HYDROGEN CHLORIDE (HCL)	6E-05	*(4E-05, 8E-05)*	6E-04	*(5E-04, 8E-04)*	1E-03	*(9E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	3E-05	*(2E-05, 4E-05)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(4E-04, 5E-04)*	1E-03	*(7E-04, 1E-03)*
MERCURY (ELEMENTAL)	3E-07	*(2E-07, 6E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
Hazard Index	5E-04	*(4E-04, 7E-04)*	5E-03	*(4E-03, 8E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(3E-02, 3E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(6E-05, 1E-04)*	4E-03	*(2E-03, 6E-03)*	8E-03	*(5E-03, 1E-02)*	4E-02	*
TCDD-TEQ	1E-04	*(7E-05, 2E-04)*	5E-03	*(2E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B97. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 9E-08)*	7E-07	*(2E-07, 1E-06)*	1E-06	*(6E-07, 1E-06)*	2E-06	*
ARSENIC	3E-11	*(6E-12, 3E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*
Additive Risk	3E-08	*(1E-08, 1E-07)*	7E-07	*(2E-07, 1E-06)*	1E-06	*(6E-07, 2E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 5E-11)*	4E-10	*(1E-10, 5E-10)*	7E-10	*(3E-10, 8E-10)*	1E-09	*(9E-10, 1E-09)*
ARSENIC	3E-11	*(1E-11, 5E-10)*	1E-08	*(1E-09, 2E-08)*	2E-08	*(6E-09, 3E-08)*	9E-08	*(5E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 8E-12)*	3E-11	*(1E-11, 6E-11)*	6E-11	*(3E-11, 1E-10)*	1E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(1E-10, 2E-09)*	4E-09	*(4E-10, 6E-09)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	8E-09	*(3E-09, 1E-08)*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(4E-10, 3E-09)*	7E-09	*(5E-09, 7E-09)*
Additive Risk	4E-10	*(3E-10, 1E-09)*	1E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 5E-08)*	1E-07	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(8E-08, 2E-06)*	1E-03	*(9E-06, 4E-03)*	4E-03	*(9E-05, 6E-03)*	1E-02	*(2E-03, 1E-02)*
ARSENIC	7E-07	*(2E-07, 8E-06)*	2E-04	*(2E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	3E-03	*(1E-03, 3E-03)*
BARIUM	9E-08	*(1E-08, 3E-07)*	5E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 3E-05)*	9E-05	*(3E-05, 1E-04)*
BERYLLIUM	2E-08	*(8E-09, 4E-08)*	3E-07	*(8E-08, 6E-07)*	8E-07	*(2E-07, 1E-06)*	2E-06	*
CADMIUM	9E-06	*(2E-06, 2E-05)*	2E-04	*(7E-05, 3E-04)*	5E-04	*(1E-04, 1E-03)*	7E-03	*
CHROMIUM (III)	4E-09	*(1E-09, 2E-08)*	4E-07	*(9E-08, 9E-07)*	1E-06	*(3E-07, 2E-06)*	7E-06	*(5E-06, 8E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(2E-06, 9E-06)*	3E-05	*(9E-06, 5E-05)*
COBALT	1E-07	*(5E-08, 2E-07)*	2E-06	*(5E-07, 5E-06)*	7E-06	*(2E-06, 9E-06)*	2E-05	*(9E-06, 2E-05)*
MANGANESE	9E-08	*(4E-08, 2E-07)*	1E-06	*(5E-07, 4E-06)*	5E-06	*(1E-06, 7E-06)*	1E-05	*(9E-06, 2E-05)*
MERCURY (DIVALENT)	5E-05	*(2E-05, 9E-05)*	5E-04	*(1E-04, 7E-04)*	8E-04	*(4E-04, 9E-04)*	3E-03	*(1E-03, 3E-03)*
MERCURY (METHYL)	2E-04	*(4E-05, 3E-04)*	8E-04	*	*	*	*	*
NICKEL	1E-07	*(6E-08, 7E-07)*	9E-06	*(3E-06, 2E-05)*	4E-05	*(8E-06, 7E-05)*	3E-04	*(2E-04, 3E-04)*
SELENIUM	6E-06	*(8E-07, 2E-05)*	4E-04	*(8E-05, 5E-04)*	7E-04	*(3E-04, 1E-03)*	6E-03	*(2E-03, 9E-03)*
SILVER	2E-06	*(5E-07, 8E-06)*	9E-05	*(3E-05, 2E-04)*	3E-04	*(7E-05, 6E-04)*	1E-03	*(4E-04, 2E-03)*
THALLIUM	7E-06	*(2E-06, 2E-05)*	2E-03	*(9E-05, 5E-03)*	8E-03	*(2E-03, 1E-02)*	1E-01	*(3E-02, 2E-01)*
Hazard Index	4E-04	*(1E-04, 8E-04)*	8E-03	*(4E-03, 1E-02)*	1E-02	*(7E-03, 3E-02)*	2E-01	*(4E-02, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 1E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(5E-06, 2E-05)*	7E-05	*(4E-05, 8E-05)*
Hazard Index	2E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(5E-04, 5E-03)*	3E-02	*(9E-03, 5E-02)*	7E-02	*(3E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B98. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(4E-09, 7E-09)*	3E-08	*(2E-08, 5E-08)*	8E-08	*(3E-08, 1E-07)*	*	*
ARSENIC	8E-12	*(4E-12, 9E-11)*	3E-09	*(2E-10, 4E-09)*	5E-09	*(5E-10, 7E-09)*	1E-08	*(7E-09, 1E-08)*
Additive Risk	6E-09	*(6E-09, 1E-08)*	3E-08	*(3E-08, 6E-08)*	8E-08	*(3E-08, 1E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	3E-10	*(7E-11, 5E-10)*	7E-10	*(2E-10, 8E-10)*	1E-09	*(9E-10, 1E-09)*
ARSENIC	3E-11	*(1E-11, 2E-10)*	1E-08	*(5E-10, 2E-08)*	2E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*
BERYLLIUM	4E-12	*(2E-12, 8E-12)*	4E-11	*(1E-11, 6E-11)*	6E-11	*(2E-11, 1E-10)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	4E-10	*(9E-11, 2E-09)*	5E-09	*(3E-10, 1E-08)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	9E-09	*(3E-09, 1E-08)*
NICKEL	1E-11	*(5E-12, 4E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(3E-10, 3E-09)*	7E-09	*(5E-09, 7E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	1E-08	*(2E-09, 3E-08)*	4E-08	*(1E-08, 5E-08)*	1E-07	*(7E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(1E-08, 3E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-07	*(9E-08, 2E-06)*	9E-05	*(5E-06, 1E-04)*	1E-04	*(1E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*
BARIUM	1E-08	*(2E-09, 5E-08)*	8E-07	*(3E-07, 2E-06)*	2E-06	*(5E-07, 4E-06)*	8E-06	*(3E-06, 1E-05)*
BERYLLIUM	3E-08	*(2E-08, 5E-08)*	3E-07	*(9E-08, 6E-07)*	7E-07	*(2E-07, 9E-07)*	*	*
CADMIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(3E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	*	*
CHROMIUM (III)	2E-10	*(9E-11, 1E-09)*	4E-08	*(4E-09, 9E-08)*	1E-07	*(2E-08, 2E-07)*	6E-07	*(4E-07, 7E-07)*
CHROMIUM (VI)	1E-08	*(9E-09, 1E-08)*	6E-08	*(4E-08, 9E-08)*	1E-07	*(5E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*
COBALT	9E-10	*(4E-10, 2E-09)*	2E-08	*(6E-09, 5E-08)*	5E-08	*(9E-09, 8E-08)*	1E-07	*(7E-08, 2E-07)*
MANGANESE	1E-08	*(2E-09, 2E-08)*	3E-07	*(3E-08, 5E-07)*	5E-07	*(4E-08, 7E-07)*	9E-07	*
MERCURY (DIVALENT)	9E-08	*(5E-08, 2E-07)*	9E-06	*(5E-07, 2E-05)*	2E-05	*(2E-06, 6E-05)*	9E-05	*
MERCURY (METHYL)	2E-05	*(5E-06, 3E-05)*	7E-04	*(5E-05, 4E-03)*	4E-03	*(8E-05, 8E-03)*	*	*
NICKEL	1E-08	*(5E-09, 2E-08)*	9E-07	*(8E-08, 1E-06)*	1E-06	*(1E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	1E-09	*(1E-10, 2E-09)*	4E-08	*	*	*	*	*
THALLIUM	1E-06	*(4E-07, 3E-06)*	1E-04	*(6E-05, 3E-04)*	6E-04	*(7E-05, 9E-04)*	*	*
Hazard Index	4E-05	*(3E-05, 1E-04)*	5E-03	*(4E-04, 9E-03)*	9E-03	*(3E-03, 2E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-07	*(4E-07, 1E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 2E-05)*	7E-05	*(3E-05, 8E-05)*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(2E-04, 3E-04)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(1E-03, 6E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B99. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(9E-09, 8E-08)*	6E-07	*(2E-07, 9E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*
ARSENIC	2E-11	*(6E-12, 3E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*
Additive Risk	2E-08	*(9E-09, 9E-08)*	6E-07	*(2E-07, 9E-07)*	1E-06	*(5E-07, 2E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 6E-11)*	4E-10	*(1E-10, 6E-10)*	8E-10	*(4E-10, 9E-10)*	1E-09	*(1E-09, 2E-09)*
ARSENIC	3E-11	*(2E-11, 6E-10)*	1E-08	*(2E-09, 2E-08)*	2E-08	*(7E-09, 4E-08)*	1E-07	*(5E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	4E-11	*(1E-11, 7E-11)*	7E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	5E-11	*(2E-11, 7E-11)*	5E-10	*(1E-10, 2E-09)*	5E-09	*(5E-10, 7E-09)*	4E-08	*(2E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	9E-09	*(4E-09, 1E-08)*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(4E-10, 3E-09)*	8E-09	*(6E-09, 9E-09)*
Additive Risk	5E-10	*(3E-10, 2E-09)*	2E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(5E-08, 1E-06)*	9E-04	*(6E-06, 2E-03)*	2E-03	*(5E-05, 4E-03)*	6E-03	*(1E-03, 7E-03)*
ARSENIC	5E-07	*(1E-07, 6E-06)*	1E-04	*(2E-05, 3E-04)*	3E-04	*(9E-05, 6E-04)*	2E-03	*(8E-04, 2E-03)*
BARIUM	4E-08	*(7E-09, 1E-07)*	2E-06	*(9E-07, 6E-06)*	9E-06	*(2E-06, 1E-05)*	4E-05	*(1E-05, 5E-05)*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	3E-07	*(9E-08, 5E-07)*	9E-07	*
CADMIUM	6E-06	*(2E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	6E-03	*(2E-03, 8E-03)*
CHROMIUM (III)	2E-09	*(7E-10, 1E-08)*	2E-07	*(5E-08, 5E-07)*	7E-07	*(2E-07, 1E-06)*	4E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	9E-08	*(7E-08, 1E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 5E-06)*	2E-05	*(6E-06, 2E-05)*
COBALT	7E-08	*(3E-08, 1E-07)*	1E-06	*(3E-07, 3E-06)*	4E-06	*(9E-07, 6E-06)*	1E-05	*(7E-06, 2E-05)*
MANGANESE	6E-08	*(2E-08, 1E-07)*	9E-07	*(3E-07, 2E-06)*	3E-06	*(7E-07, 4E-06)*	8E-06	*(5E-06, 9E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 5E-05)*	2E-04	*(9E-05, 4E-04)*	5E-04	*(2E-04, 6E-04)*	1E-03	*(9E-04, 2E-03)*
MERCURY (METHYL)	1E-04	*(2E-05, 2E-04)*	5E-04	*	*	*	*	*
NICKEL	9E-08	*(3E-08, 4E-07)*	5E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 4E-05)*	2E-04	*(9E-05, 2E-04)*
SELENIUM	5E-06	*(6E-07, 1E-05)*	3E-04	*(6E-05, 4E-04)*	6E-04	*(2E-04, 9E-04)*	3E-03	*(1E-03, 6E-03)*
SILVER	8E-07	*(2E-07, 4E-06)*	5E-05	*(1E-05, 1E-04)*	1E-04	*(3E-05, 2E-04)*	7E-04	*(2E-04, 8E-04)*
THALLIUM	5E-06	*(1E-06, 1E-05)*	1E-03	*(7E-05, 3E-03)*	5E-03	*(1E-03, 9E-03)*	7E-02	*(2E-02, 8E-02)*
Hazard Index	3E-04	*(7E-05, 5E-04)*	6E-03	*(2E-03, 9E-03)*	1E-02	*(5E-03, 2E-02)*	1E-01	*(3E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 1E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(5E-06, 2E-05)*	7E-05	*(4E-05, 8E-05)*
Hazard Index	2E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-04	*(3E-04, 3E-03)*	2E-02	*(6E-03, 3E-02)*	4E-02	*(1E-02, 5E-02)*	7E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B100. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(6E-09, 9E-09)*	4E-08	*(3E-08, 7E-08)*	8E-08	*	*	*
ARSENIC	9E-12	*(3E-12, 6E-11)*	2E-09	*(2E-10, 4E-09)*	4E-09	*(4E-10, 6E-09)*	*	*
Additive Risk	8E-09	*(7E-09, 1E-08)*	5E-08	*(3E-08, 7E-08)*	9E-08	*(4E-08, 2E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 5E-11)*	4E-10	*(8E-11, 6E-10)*	8E-10	*(2E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*
ARSENIC	3E-11	*(1E-11, 2E-10)*	1E-08	*(5E-10, 2E-08)*	2E-08	*(5E-09, 4E-08)*	9E-08	*(4E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	4E-11	*(1E-11, 7E-11)*	7E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 5E-11)*	5E-10	*(1E-10, 3E-09)*	5E-09	*(4E-10, 1E-08)*	5E-08	*(2E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	1E-08	*(4E-09, 1E-08)*
NICKEL	1E-11	*(5E-12, 5E-11)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(3E-10, 3E-09)*	8E-09	*(5E-09, 9E-09)*
Additive Risk	4E-10	*(3E-10, 2E-09)*	2E-08	*(2E-09, 4E-08)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(7E-09, 1E-07)*	8E-06	*	*	*	*	*
ARSENIC	1E-07	*(6E-08, 9E-07)*	4E-05	*(5E-06, 6E-05)*	7E-05	*(8E-06, 9E-05)*	*	*
BARIUM	3E-09	*(5E-10, 1E-08)*	2E-07	*(9E-08, 5E-07)*	7E-07	*(1E-07, 1E-06)*	3E-06	*(9E-07, 4E-06)*
BERYLLIUM	2E-08	*(6E-09, 3E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	4E-07	*
CADMIUM	3E-06	*(1E-06, 7E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 6E-04)*	*	*
CHROMIUM (III)	8E-11	*(3E-11, 3E-10)*	1E-08	*(1E-09, 2E-08)*	3E-08	*(7E-09, 5E-08)*	1E-07	*(9E-08, 2E-07)*
CHROMIUM (VI)	6E-09	*(3E-09, 8E-09)*	3E-08	*	*	*	*	*
COBALT	3E-10	*(1E-10, 5E-10)*	5E-09	*(1E-09, 1E-08)*	1E-08	*(2E-09, 2E-08)*	5E-08	*(2E-08, 6E-08)*
MANGANESE	6E-09	*(7E-10, 8E-09)*	7E-08	*(9E-09, 3E-07)*	3E-07	*(1E-08, 3E-07)*	4E-07	*
MERCURY (DIVALENT)	2E-08	*(1E-08, 7E-08)*	2E-06	*(1E-07, 6E-06)*	6E-06	*(5E-07, 1E-05)*	3E-05	*
MERCURY (METHYL)	2E-05	*(5E-06, 3E-05)*	7E-04	*(5E-05, 4E-03)*	4E-03	*(8E-05, 8E-03)*	*	*
NICKEL	7E-09	*(3E-09, 9E-09)*	6E-07	*(8E-08, 7E-07)*	7E-07	*(9E-08, 9E-07)*	1E-06	*(5E-07, 2E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	7E-10	*(4E-11, 9E-10)*	2E-08	*	*	*	*	*
THALLIUM	1E-06	*(3E-07, 2E-06)*	1E-04	*(4E-05, 2E-04)*	4E-04	*(7E-05, 9E-04)*	*	*
Hazard Index	4E-05	*(3E-05, 8E-05)*	4E-03	*(4E-04, 9E-03)*	9E-03	*(3E-03, 2E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-07	*(4E-07, 1E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 2E-05)*	7E-05	*(3E-05, 8E-05)*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 6E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B101. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(4E-09, 4E-08)*	2E-07	*(8E-08, 4E-07)*	5E-07	*(2E-07, 7E-07)*	9E-07	*
ARSENIC	1E-11	*(3E-12, 1E-10)*	4E-09	*(6E-10, 9E-09)*	9E-09	*(2E-09, 1E-08)*	4E-08	*(2E-08, 7E-08)*
Additive Risk	1E-08	*(4E-09, 4E-08)*	3E-07	*(1E-07, 4E-07)*	6E-07	*(2E-07, 8E-07)*	9E-07	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 4E-11)*	3E-10	*(9E-11, 4E-10)*	5E-10	*(2E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*
ARSENIC	2E-11	*(1E-11, 4E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(4E-09, 3E-08)*	6E-08	*(3E-08, 8E-08)*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	1E-10	*
CADMIUM	3E-11	*(1E-11, 4E-11)*	3E-10	*(8E-11, 2E-09)*	3E-09	*(3E-10, 5E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	9E-10	*(5E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	6E-09	*(3E-09, 8E-09)*
NICKEL	1E-11	*(3E-12, 3E-11)*	3E-10	*(1E-10, 8E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*(4E-09, 5E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	1E-08	*(2E-09, 2E-08)*	3E-08	*(9E-09, 4E-08)*	8E-08	*(6E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 7E-07)*	4E-04	*(3E-06, 1E-03)*	1E-03	*(3E-05, 2E-03)*	3E-03	*(7E-04, 4E-03)*
ARSENIC	2E-07	*(6E-08, 3E-06)*	7E-05	*(9E-06, 1E-04)*	2E-04	*(5E-05, 3E-04)*	7E-04	*(4E-04, 8E-04)*
BARIUM	2E-08	*(3E-09, 8E-08)*	1E-06	*(5E-07, 3E-06)*	4E-06	*(9E-07, 7E-06)*	2E-05	*(6E-06, 2E-05)*
BERYLLIUM	5E-09	*(2E-09, 9E-09)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(5E-08, 2E-07)*	4E-07	*
CADMIUM	3E-06	*(9E-07, 9E-06)*	7E-05	*(2E-05, 1E-04)*	2E-04	*(6E-05, 6E-04)*	3E-03	*(8E-04, 4E-03)*
CHROMIUM (III)	9E-10	*(3E-10, 5E-09)*	9E-08	*(2E-08, 2E-07)*	3E-07	*(8E-08, 5E-07)*	2E-06	*(1E-06, 2E-06)*
CHROMIUM (VI)	5E-08	*(3E-08, 7E-08)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(6E-07, 2E-06)*	6E-06	*(2E-06, 8E-06)*
COBALT	3E-08	*(1E-08, 7E-08)*	7E-07	*(1E-07, 1E-06)*	2E-06	*(5E-07, 2E-06)*	7E-06	*(3E-06, 8E-06)*
MANGANESE	3E-08	*(1E-08, 6E-08)*	5E-07	*(1E-07, 1E-06)*	1E-06	*(3E-07, 2E-06)*	5E-06	*(2E-06, 6E-06)*
MERCURY (DIVALENT)	1E-05	*(8E-06, 2E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	8E-04	*(4E-04, 9E-04)*
MERCURY (METHYL)	7E-05	*(1E-05, 1E-04)*	2E-04	*	*	*	*	*
NICKEL	5E-08	*(2E-08, 2E-07)*	2E-06	*(9E-07, 7E-06)*	1E-05	*(2E-06, 2E-05)*	9E-05	*(5E-05, 9E-05)*
SELENIUM	2E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(6E-04, 3E-03)*
SILVER	4E-07	*(9E-08, 2E-06)*	2E-05	*(6E-06, 5E-05)*	6E-05	*(1E-05, 1E-04)*	3E-04	*(1E-04, 4E-04)*
THALLIUM	2E-06	*(7E-07, 7E-06)*	7E-04	*(3E-05, 1E-03)*	2E-03	*(6E-04, 4E-03)*	4E-02	*(9E-03, 6E-02)*
Hazard Index	1E-04	*(3E-05, 3E-04)*	3E-03	*(1E-03, 4E-03)*	5E-03	*(3E-03, 9E-03)*	5E-02	*(1E-02, 6E-02)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 1E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(5E-06, 2E-05)*	7E-05	*(4E-05, 8E-05)*
Hazard Index	2E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 9E-04)*	7E-03	*(2E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	2E-02	*
TCDD-TEQ	4E-04	*(1E-04, 1E-03)*	1E-02	*(3E-03, 2E-02)*	2E-02	*(7E-03, 3E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B102. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(4E-09, 7E-09)*	3E-08	*(2E-08, 5E-08)*	6E-08	*(3E-08, 1E-07)*	*	*
ARSENIC	7E-12	*(2E-12, 3E-11)*	1E-09	*(2E-10, 2E-09)*	3E-09	*(3E-10, 4E-09)*	8E-09	*(4E-09, 9E-09)*
Additive Risk	6E-09	*(5E-09, 7E-09)*	3E-08	*(3E-08, 5E-08)*	6E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 3E-11)*	2E-10	*(5E-11, 4E-10)*	5E-10	*(1E-10, 6E-10)*	9E-10	*(7E-10, 1E-09)*
ARSENIC	2E-11	*(9E-12, 1E-10)*	7E-09	*(3E-10, 1E-08)*	2E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 7E-08)*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	3E-11	*(9E-12, 4E-11)*	5E-11	*(2E-11, 8E-11)*	1E-10	*
CADMIUM	2E-11	*(1E-11, 3E-11)*	3E-10	*(7E-11, 2E-09)*	4E-09	*(2E-10, 7E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	7E-09	*(3E-09, 8E-09)*
NICKEL	9E-12	*(3E-12, 3E-11)*	4E-10	*(1E-10, 8E-10)*	1E-09	*(2E-10, 2E-09)*	5E-09	*(3E-09, 6E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	1E-08	*(2E-09, 2E-08)*	3E-08	*(7E-09, 4E-08)*	8E-08	*(5E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	7E-09	*(4E-09, 7E-08)*	5E-06	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 6E-07)*	3E-05	*(3E-06, 4E-05)*	5E-05	*(5E-06, 8E-05)*	*	*
BARIUM	1E-09	*(3E-10, 7E-09)*	1E-07	*(4E-08, 3E-07)*	3E-07	*(7E-08, 6E-07)*	1E-06	*(4E-07, 2E-06)*
BERYLLIUM	1E-08	*(3E-09, 2E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 1E-07)*	*	*
CADMIUM	2E-06	*(7E-07, 5E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(1E-04, 5E-04)*	*	*
CHROMIUM (III)	5E-11	*(1E-11, 2E-10)*	6E-09	*(6E-10, 1E-08)*	1E-08	*(4E-09, 2E-08)*	9E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*	*	*	*	*
COBALT	1E-09	*(1E-10, 2E-09)*	1E-08	*(2E-09, 7E-08)*	7E-08	*(3E-09, 8E-08)*	8E-08	*
MANGANESE	3E-09	*(4E-10, 5E-09)*	4E-08	*(6E-09, 1E-07)*	1E-07	*(9E-09, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	1E-08	*(7E-09, 3E-08)*	1E-06	*(7E-08, 3E-06)*	3E-06	*(2E-07, 8E-06)*	1E-05	*
MERCURY (METHYL)	1E-05	*(4E-06, 2E-05)*	5E-04	*(4E-05, 3E-03)*	2E-03	*(6E-05, 6E-03)*	*	*
NICKEL	4E-09	*(2E-09, 6E-09)*	4E-07	*(5E-08, 5E-07)*	5E-07	*(7E-08, 5E-07)*	9E-07	*(4E-07, 1E-06)*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	5E-10	*(2E-11, 6E-10)*	1E-08	*	*	*	*	*
THALLIUM	9E-07	*(2E-07, 1E-06)*	1E-04	*(2E-05, 2E-04)*	3E-04	*(5E-05, 8E-04)*	*	*
Hazard Index	3E-05	*(2E-05, 6E-05)*	2E-03	*(3E-04, 6E-03)*	6E-03	*(1E-03, 1E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-07	*(4E-07, 1E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 2E-05)*	7E-05	*(3E-05, 8E-05)*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(1E-04, 2E-04)*	8E-04	*(7E-04, 1E-03)*	1E-03	*(8E-04, 4E-03)*	*	*
TCDD-TEQ	2E-04	*(1E-04, 2E-04)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(1E-03, 5E-03)*	6E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B103. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(5E-09, 4E-08)*	3E-07	*(9E-08, 5E-07)*	6E-07	*(2E-07, 8E-07)*	1E-06	*
ARSENIC	3E-11	*(7E-12, 3E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	7E-08	*(4E-08, 8E-08)*
Additive Risk	1E-08	*(5E-09, 5E-08)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(3E-07, 9E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 6E-11)*	4E-10	*(1E-10, 6E-10)*	7E-10	*(3E-10, 8E-10)*	1E-09	*(9E-10, 1E-09)*
ARSENIC	3E-11	*(1E-11, 6E-10)*	1E-08	*(2E-09, 2E-08)*	2E-08	*(6E-09, 4E-08)*	1E-07	*(5E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	4E-11	*(1E-11, 6E-11)*	7E-11	*(3E-11, 1E-10)*	1E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	5E-10	*(1E-10, 2E-09)*	5E-09	*(5E-10, 7E-09)*	4E-08	*(2E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	8E-09	*(4E-09, 1E-08)*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(4E-10, 3E-09)*	7E-09	*(6E-09, 8E-09)*
Additive Risk	4E-10	*(3E-10, 1E-09)*	1E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 5E-07)*	3E-04	*(2E-06, 1E-03)*	1E-03	*(2E-05, 2E-03)*	3E-03	*(4E-04, 3E-03)*
ARSENIC	3E-07	*(6E-08, 3E-06)*	7E-05	*(9E-06, 1E-04)*	2E-04	*(5E-05, 3E-04)*	7E-04	*(4E-04, 8E-04)*
BARIUM	1E-08	*(2E-09, 4E-08)*	6E-07	*(2E-07, 1E-06)*	2E-06	*(4E-07, 3E-06)*	8E-06	*(4E-06, 9E-06)*
BERYLLIUM	4E-09	*(1E-09, 8E-09)*	5E-08	*(2E-08, 9E-08)*	1E-07	*(4E-08, 2E-07)*	4E-07	*
CADMIUM	4E-06	*(1E-06, 9E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*(7E-05, 6E-04)*	3E-03	*(9E-04, 4E-03)*
CHROMIUM (III)	6E-10	*(1E-10, 3E-09)*	6E-08	*(1E-08, 1E-07)*	2E-07	*(5E-08, 3E-07)*	9E-07	*(7E-07, 1E-06)*
CHROMIUM (VI)	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(3E-07, 1E-06)*	3E-06	*(1E-06, 6E-06)*
COBALT	2E-08	*(9E-09, 5E-08)*	4E-07	*(9E-08, 8E-07)*	9E-07	*(3E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*
MANGANESE	2E-08	*(9E-09, 4E-08)*	4E-07	*(8E-08, 8E-07)*	9E-07	*(2E-07, 1E-06)*	3E-06	*(1E-06, 3E-06)*
MERCURY (DIVALENT)	9E-06	*(5E-06, 1E-05)*	9E-05	*(3E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	6E-04	*(3E-04, 7E-04)*
MERCURY (METHYL)	5E-05	*(9E-06, 1E-04)*	2E-04	*	*	*	*	*
NICKEL	3E-08	*(1E-08, 1E-07)*	1E-06	*(6E-07, 4E-06)*	6E-06	*(1E-06, 9E-06)*	5E-05	*(3E-05, 5E-05)*
SELENIUM	3E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	2E-07	*(5E-08, 8E-07)*	9E-06	*(3E-06, 2E-05)*	3E-05	*(7E-06, 6E-05)*	1E-04	*(4E-05, 2E-04)*
THALLIUM	2E-06	*(6E-07, 7E-06)*	7E-04	*(3E-05, 1E-03)*	2E-03	*(6E-04, 3E-03)*	3E-02	*(8E-03, 5E-02)*
Hazard Index	1E-04	*(3E-05, 2E-04)*	3E-03	*(1E-03, 4E-03)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 5E-02)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 1E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(5E-06, 2E-05)*	7E-05	*(4E-05, 8E-05)*
Hazard Index	2E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(8E-05, 7E-04)*	5E-03	*(1E-03, 9E-03)*	9E-03	*(4E-03, 1E-02)*	2E-02	*
TCDD-TEQ	2E-04	*(9E-05, 8E-04)*	6E-03	*(2E-03, 9E-03)*	1E-02	*(4E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B104. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(8E-09, 1E-08)*	6E-08	*(5E-08, 9E-08)*	1E-07	*	*	*
ARSENIC	1E-11	*(4E-12, 5E-11)*	3E-09	*(3E-10, 5E-09)*	5E-09	*(5E-10, 9E-09)*	*	*
Additive Risk	1E-08	*(9E-09, 1E-08)*	6E-08	*(5E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 3E-11)*	2E-10	*(5E-11, 4E-10)*	5E-10	*(1E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*
ARSENIC	2E-11	*(9E-12, 1E-10)*	7E-09	*(3E-10, 1E-08)*	2E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 7E-08)*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	3E-11	*(9E-12, 4E-11)*	5E-11	*(2E-11, 8E-11)*	1E-10	*
CADMIUM	2E-11	*(1E-11, 3E-11)*	3E-10	*(7E-11, 2E-09)*	3E-09	*(2E-10, 7E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 1E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	7E-09	*(2E-09, 8E-09)*
NICKEL	9E-12	*(3E-12, 3E-11)*	4E-10	*(1E-10, 7E-10)*	1E-09	*(2E-10, 2E-09)*	5E-09	*(3E-09, 5E-09)*
Additive Risk	2E-10	*(2E-10, 1E-09)*	1E-08	*(2E-09, 2E-08)*	3E-08	*(7E-09, 4E-08)*	8E-08	*(5E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	7E-09	*(2E-09, 8E-08)*	4E-06	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 5E-07)*	2E-05	*(3E-06, 5E-05)*	5E-05	*(5E-06, 8E-05)*	*	*
BARIUM	7E-10	*(2E-10, 3E-09)*	9E-08	*(1E-08, 1E-07)*	1E-07	*(3E-08, 2E-07)*	7E-07	*(2E-07, 8E-07)*
BERYLLIUM	1E-08	*(2E-09, 2E-08)*	5E-08	*(4E-08, 9E-08)*	9E-08	*(5E-08, 1E-07)*	*	*
CADMIUM	2E-06	*(7E-07, 5E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(1E-04, 5E-04)*	*	*
CHROMIUM (III)	2E-11	*(7E-12, 9E-11)*	2E-09	*(2E-10, 5E-09)*	7E-09	*(1E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*	*	*	*	*
COBALT	8E-10	*(4E-11, 2E-09)*	7E-09	*(2E-09, 5E-08)*	5E-08	*(3E-09, 7E-08)*	9E-08	*
MANGANESE	3E-09	*(2E-10, 5E-09)*	2E-08	*(5E-09, 1E-07)*	1E-07	*(8E-09, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	6E-09	*(3E-09, 1E-08)*	5E-07	*(3E-08, 1E-06)*	1E-06	*(1E-07, 3E-06)*	7E-06	*
MERCURY (METHYL)	1E-05	*(4E-06, 2E-05)*	5E-04	*(4E-05, 3E-03)*	2E-03	*(6E-05, 6E-03)*	*	*
NICKEL	4E-09	*(2E-09, 6E-09)*	4E-07	*(4E-08, 5E-07)*	5E-07	*(6E-08, 6E-07)*	*	*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	3E-10	*(9E-12, 6E-10)*	1E-08	*	*	*	*	*
THALLIUM	9E-07	*(2E-07, 1E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(5E-05, 8E-04)*	*	*
Hazard Index	3E-05	*(2E-05, 6E-05)*	2E-03	*(3E-04, 6E-03)*	6E-03	*(1E-03, 1E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(1E-07, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*(7E-05, 2E-04)*
CHLORINE (CL2)	4E-05	*(2E-05, 1E-04)*	1E-03	*(3E-04, 4E-03)*	4E-03	*(4E-04, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-05	*(4E-06, 5E-05)*	3E-04	*(8E-05, 4E-04)*	4E-04	*(2E-04, 8E-04)*	2E-03	*
MANGANESE	3E-05	*(2E-05, 5E-05)*	3E-04	*(1E-04, 5E-04)*	6E-04	*(1E-04, 7E-04)*	2E-03	*(8E-04, 2E-03)*
MERCURY (ELEMENTAL)	5E-07	*(3E-07, 7E-07)*	3E-06	*(2E-06, 7E-06)*	1E-05	*(2E-06, 2E-05)*	4E-05	*(2E-05, 6E-05)*
Hazard Index	2E-04	*(1E-04, 3E-04)*	2E-03	*(5E-04, 5E-03)*	5E-03	*(7E-04, 9E-03)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(1E-04, 2E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 2E-04)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(1E-03, 5E-03)*	5E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B105. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 2E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*
ARSENIC	8E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(9E-08, 1E-07)*
Additive Risk	2E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(9E-11, 1E-10)*	7E-10	*(5E-10, 8E-10)*	9E-10	*(8E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
ARSENIC	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(8E-12, 1E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 2E-09)*	5E-09	*(2E-10, 6E-09)*
CADMIUM	1E-10	*(9E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(6E-09, 7E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	4E-11	*(3E-11, 6E-11)*	8E-10	*(6E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	7E-09	*(7E-09, 7E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(1E-06, 4E-05)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 9E-03)*	1E-02	*
ARSENIC	2E-05	*(8E-06, 4E-05)*	4E-04	*(3E-04, 6E-04)*	8E-04	*(6E-04, 9E-04)*	3E-03	*(3E-03, 3E-03)*
BARIUM	7E-07	*(3E-07, 9E-07)*	1E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	1E-04	*(9E-05, 1E-04)*
BERYLLIUM	5E-08	*(3E-08, 9E-08)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 6E-06)*	3E-05	*(2E-06, 6E-05)*
CADMIUM	2E-05	*(1E-05, 3E-05)*	4E-04	*(3E-04, 5E-04)*	1E-03	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	8E-08	*(5E-08, 9E-08)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	8E-06	*(7E-06, 8E-06)*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	4E-06	*(2E-06, 6E-06)*	8E-06	*(7E-06, 9E-06)*	5E-05	*(4E-05, 5E-05)*
COBALT	5E-07	*(3E-07, 8E-07)*	7E-06	*(5E-06, 8E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(2E-05, 3E-05)*
MANGANESE	4E-07	*(2E-07, 7E-07)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(6E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MERCURY (DIVALENT)	9E-05	*(7E-05, 1E-04)*	8E-04	*(6E-04, 9E-04)*	1E-03	*(9E-04, 1E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (METHYL)	2E-04	*(1E-04, 4E-04)*	*	*	*	*	*	*
NICKEL	7E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	7E-05	*(6E-05, 8E-05)*	3E-04	*(3E-04, 3E-04)*
SELENIUM	5E-05	*(2E-05, 8E-05)*	6E-04	*(5E-04, 9E-04)*	1E-03	*(1E-03, 2E-03)*	9E-03	*(8E-03, 9E-03)*
SILVER	1E-05	*(7E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	4E-04	*(3E-04, 6E-04)*	1E-03	*(1E-03, 2E-03)*
THALLIUM	1E-04	*(4E-05, 3E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(1E-02, 1E-02)*	1E-01	*(1E-01, 2E-01)*
Hazard Index	2E-03	*(1E-03, 4E-03)*	1E-02	*(1E-02, 1E-02)*	3E-02	*(2E-02, 3E-02)*	2E-01	*(2E-01, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	8E-05	*(8E-05, 9E-05)*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(7E-03, 1E-02)*	7E-02	*(6E-02, 8E-02)*	9E-02	*(8E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B106. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(1E-08, 2E-08)*	9E-08	*(5E-08, 1E-07)*	1E-07	*	*	*
ARSENIC	2E-10	*(8E-11, 5E-10)*	5E-09	*(3E-09, 6E-09)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(1E-08, 2E-08)*
Additive Risk	2E-08	*(1E-08, 3E-08)*	1E-07	*(5E-08, 1E-07)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(9E-11, 1E-10)*	7E-10	*(6E-10, 9E-10)*	1E-09	*(9E-10, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(7E-11, 6E-10)*	5E-10	*(1E-10, 3E-09)*	5E-09	*(2E-10, 6E-09)*
CADMIUM	1E-10	*(8E-11, 2E-10)*	3E-09	*(2E-09, 4E-09)*	9E-09	*(6E-09, 1E-08)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	3E-11	*(2E-11, 5E-11)*	1E-09	*(6E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	7E-09	*(7E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(5E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 3E-06)*	*	*	*	*	*	*
ARSENIC	5E-06	*(2E-06, 1E-05)*	1E-04	*(7E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(4E-04, 4E-04)*
BARIUM	1E-07	*(8E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	9E-06	*(8E-06, 1E-05)*
BERYLLIUM	8E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 4E-06)*	3E-06	*(1E-06, 3E-05)*	5E-05	*(2E-06, 7E-05)*
CADMIUM	4E-06	*(3E-06, 9E-06)*	4E-04	*(1E-04, 6E-04)*	7E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	8E-09	*(5E-09, 1E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	7E-07	*(6E-07, 7E-07)*
CHROMIUM (VI)	2E-08	*(8E-09, 3E-08)*	6E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*
COBALT	4E-09	*(2E-09, 6E-09)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(6E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*
MANGANESE	3E-08	*(1E-08, 6E-08)*	6E-07	*(2E-07, 9E-07)*	9E-07	*	*	*
MERCURY (DIVALENT)	9E-07	*(6E-07, 1E-06)*	1E-05	*(7E-06, 4E-05)*	4E-05	*(9E-06, 8E-05)*	1E-04	*
MERCURY (METHYL)	5E-05	*(2E-05, 1E-04)*	2E-03	*(5E-04, 7E-03)*	7E-03	*	*	*
NICKEL	2E-08	*(1E-08, 3E-08)*	1E-06	*(4E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	2E-09	*(6E-10, 8E-09)*	1E-06	*(2E-08, 2E-06)*	2E-06	*	*	*
THALLIUM	9E-06	*(2E-06, 8E-05)*	4E-04	*(3E-04, 8E-04)*	2E-03	*(8E-04, 3E-03)*	*	*
Hazard Index	4E-04	*(2E-04, 1E-03)*	9E-03	*(4E-03, 9E-03)*	2E-02	*(5E-03, 4E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	8E-05	*(8E-05, 8E-05)*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(6E-04, 9E-04)*	5E-03	*(2E-03, 6E-03)*	7E-03	*(5E-03, 8E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B107. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	*	*
ARSENIC	8E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(9E-08, 1E-07)*
Additive Risk	2E-07	*(1E-07, 2E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(1E-06, 2E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(1E-10, 2E-10)*	8E-10	*(6E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*
ARSENIC	1E-09	*(6E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(9E-12, 2E-11)*	1E-10	*(7E-11, 2E-10)*	2E-10	*(1E-10, 2E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	1E-10	*(1E-10, 2E-10)*	3E-09	*(1E-09, 3E-09)*	7E-09	*(6E-09, 8E-09)*	6E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	5E-11	*(3E-11, 7E-11)*	9E-10	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	8E-09	*(8E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(5E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-06	*(9E-07, 3E-05)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	7E-03	*
ARSENIC	1E-05	*(6E-06, 2E-05)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 7E-04)*	2E-03	*(2E-03, 2E-03)*
BARIUM	3E-07	*(1E-07, 5E-07)*	9E-06	*(5E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	5E-05	*(5E-05, 5E-05)*
BERYLLIUM	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 9E-07)*	9E-07	*(5E-07, 3E-06)*	*	*
CADMIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(6E-04, 1E-03)*	8E-03	*(7E-03, 8E-03)*
CHROMIUM (III)	4E-08	*(2E-08, 6E-08)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	4E-06	*(4E-06, 4E-06)*
CHROMIUM (VI)	1E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(4E-06, 6E-06)*	2E-05	*(2E-05, 2E-05)*
COBALT	3E-07	*(2E-07, 5E-07)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(5E-06, 6E-06)*	2E-05	*(1E-05, 2E-05)*
MANGANESE	2E-07	*(1E-07, 4E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	9E-06	*(8E-06, 9E-06)*
MERCURY (DIVALENT)	6E-05	*(4E-05, 9E-05)*	5E-04	*(4E-04, 6E-04)*	8E-04	*(6E-04, 8E-04)*	2E-03	*(2E-03, 2E-03)*
MERCURY (METHYL)	1E-04	*(8E-05, 2E-04)*	3E-03	*	*	*	*	*
NICKEL	4E-07	*(3E-07, 8E-07)*	1E-05	*(6E-06, 1E-05)*	4E-05	*(3E-05, 4E-05)*	2E-04	*(2E-04, 2E-04)*
SELENIUM	4E-05	*(2E-05, 6E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(9E-04, 1E-03)*	6E-03	*(5E-03, 6E-03)*
SILVER	6E-06	*(3E-06, 9E-06)*	9E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(6E-04, 8E-04)*
THALLIUM	9E-05	*(3E-05, 2E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(8E-03, 1E-02)*	8E-02	*(8E-02, 8E-02)*
Hazard Index	2E-03	*(8E-04, 3E-03)*	9E-03	*(8E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	1E-01	*(1E-01, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	8E-05	*(8E-05, 9E-05)*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-03	*(4E-03, 7E-03)*	4E-02	*(3E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B108. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*	*	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	5E-09	*(1E-09, 6E-09)*	7E-09	*(6E-09, 1E-08)*	*	*
Additive Risk	2E-08	*(2E-08, 3E-08)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*	2E-07	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(1E-10, 2E-10)*	8E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(6E-10, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 2E-11)*	1E-10	*(8E-11, 7E-10)*	6E-10	*(1E-10, 3E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	1E-10	*(9E-11, 2E-10)*	3E-09	*(2E-09, 5E-09)*	1E-08	*(7E-09, 1E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	4E-11	*(2E-11, 6E-11)*	1E-09	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	9E-09	*(8E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(3E-08, 4E-08)*	6E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 2E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(9E-07, 8E-06)*	8E-05	*(3E-05, 9E-05)*	1E-04	*(9E-05, 2E-04)*	*	*
BARIUM	3E-08	*(2E-08, 8E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*(3E-06, 4E-06)*
BERYLLIUM	3E-08	*(2E-08, 6E-08)*	3E-07	*(2E-07, 1E-06)*	9E-07	*(3E-07, 1E-05)*	3E-05	*(6E-07, 4E-05)*
CADMIUM	4E-06	*(2E-06, 8E-06)*	3E-04	*(1E-04, 6E-04)*	7E-04	*(7E-04, 7E-04)*	*	*
CHROMIUM (III)	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(5E-08, 7E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	9E-09	*(3E-09, 1E-08)*	3E-08	*(2E-08, 5E-08)*	6E-08	*(3E-08, 8E-08)*	9E-08	*(6E-08, 9E-08)*
COBALT	9E-10	*(5E-10, 1E-09)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*
MANGANESE	1E-08	*(5E-09, 2E-08)*	3E-07	*(6E-08, 4E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 4E-07)*	5E-06	*(1E-06, 8E-06)*	8E-06	*(2E-06, 2E-05)*	3E-05	*
MERCURY (METHYL)	5E-05	*(2E-05, 1E-04)*	2E-03	*(5E-04, 7E-03)*	7E-03	*	*	*
NICKEL	9E-09	*(7E-09, 2E-08)*	7E-07	*(2E-07, 8E-07)*	8E-07	*(5E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	9E-10	*(2E-10, 5E-09)*	5E-07	*(1E-08, 9E-07)*	9E-07	*	*	*
THALLIUM	8E-06	*(1E-06, 6E-05)*	4E-04	*(2E-04, 8E-04)*	1E-03	*(7E-04, 2E-03)*	*	*
Hazard Index	4E-04	*(1E-04, 1E-03)*	9E-03	*(3E-03, 9E-03)*	2E-02	*(4E-03, 4E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	8E-05	*(8E-05, 8E-05)*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-04	*(5E-04, 9E-04)*	5E-03	*(2E-03, 6E-03)*	7E-03	*(5E-03, 8E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B109. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(5E-08, 9E-08)*	5E-07	*(4E-07, 6E-07)*	7E-07	*(6E-07, 8E-07)*	*	*
ARSENIC	4E-10	*(1E-10, 8E-10)*	9E-09	*(6E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 7E-08)*
Additive Risk	8E-08	*(6E-08, 1E-07)*	6E-07	*(5E-07, 6E-07)*	8E-07	*(7E-07, 8E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(7E-11, 1E-10)*	5E-10	*(4E-10, 6E-10)*	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*
ARSENIC	7E-10	*(4E-10, 1E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(7E-08, 8E-08)*
BERYLLIUM	8E-12	*(6E-12, 1E-11)*	8E-11	*(4E-11, 1E-10)*	2E-10	*(8E-11, 1E-09)*	4E-09	*(1E-10, 4E-09)*
CADMIUM	8E-11	*(7E-11, 1E-10)*	2E-09	*(9E-10, 2E-09)*	4E-09	*(4E-09, 5E-09)*	4E-08	*(3E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(1E-10, 2E-10)*	1E-09	*(9E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*	8E-09	*(7E-09, 8E-09)*
NICKEL	3E-11	*(2E-11, 5E-11)*	6E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	9E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(5E-07, 1E-05)*	1E-03	*(4E-04, 1E-03)*	2E-03	*(8E-04, 2E-03)*	3E-03	*
ARSENIC	7E-06	*(3E-06, 1E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	8E-04	*(8E-04, 8E-04)*
BARIUM	1E-07	*(8E-08, 2E-07)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(5E-06, 8E-06)*	2E-05	*(2E-05, 2E-05)*
BERYLLIUM	1E-08	*(8E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 1E-06)*	5E-06	*(5E-07, 9E-06)*
CADMIUM	9E-06	*(5E-06, 1E-05)*	1E-04	*(1E-04, 2E-04)*	6E-04	*(3E-04, 7E-04)*	4E-03	*(3E-03, 4E-03)*
CHROMIUM (III)	2E-08	*(1E-08, 2E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(5E-07, 7E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	8E-08	*(7E-08, 9E-08)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	8E-06	*(7E-06, 8E-06)*
COBALT	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	8E-06	*(8E-06, 8E-06)*
MANGANESE	1E-07	*(6E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(6E-06, 6E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 4E-05)*	2E-04	*(2E-04, 3E-04)*	3E-04	*(3E-04, 4E-04)*	9E-04	*(9E-04, 9E-04)*
MERCURY (METHYL)	8E-05	*(3E-05, 1E-04)*	9E-04	*	*	*	*	*
NICKEL	2E-07	*(1E-07, 4E-07)*	6E-06	*(3E-06, 8E-06)*	2E-05	*(1E-05, 2E-05)*	9E-05	*(9E-05, 9E-05)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	2E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	3E-06	*(1E-06, 5E-06)*	5E-05	*(2E-05, 7E-05)*	9E-05	*(6E-05, 1E-04)*	3E-04	*(3E-04, 4E-04)*
THALLIUM	5E-05	*(1E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(4E-03, 5E-03)*	5E-02	*(5E-02, 6E-02)*
Hazard Index	8E-04	*(4E-04, 1E-03)*	5E-03	*(4E-03, 5E-03)*	9E-03	*(8E-03, 1E-02)*	6E-02	*(6E-02, 6E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	8E-05	*(8E-05, 9E-05)*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 1E-02)*	2E-02	*(2E-02, 2E-02)*	*	*
TCDD-TEQ	3E-03	*(2E-03, 4E-03)*	2E-02	*(2E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B110. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(9E-09, 2E-08)*	9E-08	*(5E-08, 1E-07)*	1E-07	*	*	*
ARSENIC	1E-10	*(3E-11, 3E-10)*	3E-09	*(9E-10, 4E-09)*	5E-09	*(4E-09, 7E-09)*	9E-09	*(9E-09, 1E-08)*
Additive Risk	2E-08	*(1E-08, 2E-08)*	1E-07	*(5E-08, 1E-07)*	1E-07	*(1E-07, 2E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(6E-11, 1E-10)*	5E-10	*(5E-10, 7E-10)*	7E-10	*(7E-10, 9E-10)*	1E-09	*
ARSENIC	9E-10	*(4E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(7E-08, 8E-08)*
BERYLLIUM	8E-12	*(6E-12, 1E-11)*	1E-10	*(5E-11, 4E-10)*	4E-10	*(9E-11, 2E-09)*	4E-09	*(1E-10, 5E-09)*
CADMIUM	8E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(4E-09, 8E-09)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 4E-09)*	8E-09	*(8E-09, 8E-09)*
NICKEL	3E-11	*(1E-11, 4E-11)*	7E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	8E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(7E-08, 1E-06)*	*	*	*	*	*	*
ARSENIC	3E-06	*(5E-07, 6E-06)*	7E-05	*(1E-05, 8E-05)*	9E-05	*(7E-05, 1E-04)*	*	*
BARIUM	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	2E-06	*(1E-06, 2E-06)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 6E-07)*	6E-07	*(2E-07, 1E-05)*	*	*
CADMIUM	2E-06	*(1E-06, 5E-06)*	3E-04	*(9E-05, 4E-04)*	5E-04	*(5E-04, 5E-04)*	*	*
CHROMIUM (III)	1E-09	*(7E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	6E-09	*(2E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*	*	*
COBALT	3E-09	*(9E-10, 5E-09)*	7E-08	*(9E-09, 8E-08)*	9E-08	*	*	*
MANGANESE	9E-09	*(3E-09, 1E-08)*	2E-07	*(3E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	1E-07	*(9E-08, 2E-07)*	2E-06	*(9E-07, 6E-06)*	6E-06	*(1E-06, 1E-05)*	2E-05	*
MERCURY (METHYL)	3E-05	*(1E-05, 9E-05)*	9E-04	*(3E-04, 4E-03)*	4E-03	*	*	*
NICKEL	6E-09	*(4E-09, 1E-08)*	4E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(9E-07, 1E-06)*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	5E-10	*(1E-10, 3E-09)*	3E-07	*(9E-09, 6E-07)*	5E-07	*	*	*
THALLIUM	8E-06	*(1E-06, 4E-05)*	3E-04	*(2E-04, 5E-04)*	1E-03	*(4E-04, 2E-03)*	*	*
Hazard Index	2E-04	*(7E-05, 9E-04)*	6E-03	*(2E-03, 6E-03)*	8E-03	*(3E-03, 3E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	8E-05	*(8E-05, 8E-05)*
Hazard Index	1E-03	*(6E-04, 2E-03)*	2E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(3E-04, 6E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*	*	*
TCDD-TEQ	5E-04	*(4E-04, 8E-04)*	4E-03	*(2E-03, 5E-03)*	5E-03	*(4E-03, 6E-03)*	6E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B111. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-08	*(6E-08, 9E-08)*	6E-07	*(5E-07, 7E-07)*	9E-07	*(8E-07, 9E-07)*	*	*
ARSENIC	8E-10	*(3E-10, 1E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
Additive Risk	9E-08	*(7E-08, 1E-07)*	7E-07	*(6E-07, 8E-07)*	9E-07	*(8E-07, 1E-06)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(1E-10, 1E-10)*	7E-10	*(6E-10, 9E-10)*	1E-09	*(9E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
ARSENIC	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(9E-12, 2E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 2E-09)*	6E-09	*(2E-10, 6E-09)*
CADMIUM	1E-10	*(1E-10, 2E-10)*	3E-09	*(1E-09, 3E-09)*	7E-09	*(6E-09, 8E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	5E-11	*(3E-11, 7E-11)*	9E-10	*(6E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	2E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(5E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 1E-05)*	1E-03	*(2E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	3E-03	*
ARSENIC	7E-06	*(3E-06, 1E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	8E-04	*(8E-04, 8E-04)*
BARIUM	8E-08	*(4E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
BERYLLIUM	9E-09	*(6E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 1E-06)*	*	*
CADMIUM	9E-06	*(6E-06, 1E-05)*	2E-04	*(1E-04, 2E-04)*	6E-04	*(3E-04, 7E-04)*	4E-03	*(3E-03, 4E-03)*
CHROMIUM (III)	9E-09	*(7E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(3E-07, 4E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	5E-08	*(4E-08, 6E-08)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	5E-06	*(5E-06, 6E-06)*
COBALT	9E-08	*(6E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 5E-06)*
MANGANESE	9E-08	*(4E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*
MERCURY (DIVALENT)	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 3E-04)*	7E-04	*(7E-04, 7E-04)*
MERCURY (METHYL)	6E-05	*(3E-05, 1E-04)*	7E-04	*	*	*	*	*
NICKEL	1E-07	*(9E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	9E-06	*(8E-06, 1E-05)*	5E-05	*(5E-05, 5E-05)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	1E-06	*(7E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*
THALLIUM	5E-05	*(1E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*	4E-02	*(4E-02, 5E-02)*
Hazard Index	7E-04	*(4E-04, 1E-03)*	4E-03	*(3E-03, 4E-03)*	9E-03	*(6E-03, 1E-02)*	5E-02	*(5E-02, 5E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	8E-05	*(8E-05, 9E-05)*
Hazard Index	8E-04	*(5E-04, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	*	*
TCDD-TEQ	1E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 1E-02)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 3E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B112. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 4E-08)*	2E-07	*	*	*	*	*
ARSENIC	2E-10	*(5E-11, 6E-10)*	6E-09	*(2E-09, 9E-09)*	9E-09	*(7E-09, 1E-08)*	*	*
Additive Risk	3E-08	*(2E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(6E-11, 1E-10)*	5E-10	*(5E-10, 7E-10)*	7E-10	*(7E-10, 9E-10)*	1E-09	*
ARSENIC	9E-10	*(4E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(7E-08, 8E-08)*
BERYLLIUM	8E-12	*(6E-12, 1E-11)*	9E-11	*(5E-11, 4E-10)*	4E-10	*(8E-11, 2E-09)*	4E-09	*(1E-10, 5E-09)*
CADMIUM	8E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(4E-09, 8E-09)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 4E-09)*	8E-09	*(8E-09, 8E-09)*
NICKEL	3E-11	*(1E-11, 4E-11)*	7E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	8E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(8E-08, 1E-06)*	*	*	*	*	*	*
ARSENIC	2E-06	*(4E-07, 5E-06)*	7E-05	*(1E-05, 8E-05)*	8E-05	*(7E-05, 9E-05)*	*	*
BARIUM	9E-09	*(7E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	8E-07	*(7E-07, 8E-07)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	1E-07	*(9E-08, 3E-07)*	3E-07	*(1E-07, 9E-06)*	2E-05	*
CADMIUM	2E-06	*(1E-06, 5E-06)*	2E-04	*(8E-05, 4E-04)*	5E-04	*(5E-04, 5E-04)*	*	*
CHROMIUM (III)	5E-10	*(3E-10, 7E-10)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	4E-09	*(1E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*	*	*
COBALT	2E-09	*(5E-10, 4E-09)*	6E-08	*(6E-09, 9E-08)*	9E-08	*	*	*
MANGANESE	7E-09	*(1E-09, 1E-08)*	1E-07	*(2E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	5E-08	*(3E-08, 9E-08)*	9E-07	*(4E-07, 2E-06)*	2E-06	*(6E-07, 5E-06)*	8E-06	*
MERCURY (METHYL)	3E-05	*(1E-05, 9E-05)*	9E-04	*(3E-04, 4E-03)*	4E-03	*	*	*
NICKEL	6E-09	*(4E-09, 9E-09)*	5E-07	*(1E-07, 5E-07)*	6E-07	*(2E-07, 7E-07)*	*	*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	4E-10	*(1E-10, 4E-09)*	4E-07	*(1E-08, 6E-07)*	6E-07	*	*	*
THALLIUM	7E-06	*(9E-07, 3E-05)*	3E-04	*(2E-04, 5E-04)*	1E-03	*(4E-04, 2E-03)*	*	*
Hazard Index	2E-04	*(7E-05, 9E-04)*	6E-03	*(2E-03, 6E-03)*	9E-03	*(3E-03, 3E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	4E-05	*(3E-05, 6E-05)*	7E-05	*(5E-05, 8E-05)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-04	*(3E-05, 9E-04)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*
MANGANESE	1E-04	*(7E-05, 2E-04)*	7E-04	*(6E-04, 7E-04)*	1E-03	*(7E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (ELEMENTAL)	5E-07	*(3E-07, 1E-06)*	1E-05	*(8E-06, 2E-05)*	2E-05	*(2E-05, 2E-05)*	5E-05	*(5E-05, 6E-05)*
Hazard Index	8E-04	*(4E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(3E-04, 7E-04)*	3E-03	*(1E-03, 4E-03)*	4E-03	*(3E-03, 5E-03)*	*	*
TCDD-TEQ	5E-04	*(4E-04, 8E-04)*	3E-03	*(2E-03, 5E-03)*	5E-03	*(4E-03, 5E-03)*	6E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B113. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(7E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	5E-10	*(3E-10, 9E-10)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(8E-08, 2E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	5E-10	*(4E-10, 7E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	6E-10	*(3E-10, 2E-09)*	2E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	1E-11	*(6E-12, 4E-11)*	6E-10	*(2E-10, 1E-09)*	1E-09	*(4E-10, 1E-09)*	2E-09	*
CADMIUM	5E-10	*(3E-10, 8E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	7E-09	*(5E-09, 9E-09)*	4E-08	*(4E-08, 5E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(7E-06, 1E-04)*	2E-03	*(9E-04, 9E-03)*	8E-03	*	*	*
ARSENIC	1E-05	*(8E-06, 2E-05)*	6E-04	*(3E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(8E-04, 1E-03)*
BARIUM	3E-07	*(2E-07, 6E-07)*	6E-06	*(3E-06, 2E-05)*	3E-05	*(6E-06, 5E-05)*	9E-05	*(5E-05, 1E-04)*
BERYLLIUM	9E-08	*(3E-08, 2E-07)*	7E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	4E-05	*
CADMIUM	9E-05	*(6E-05, 2E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*	9E-03	*(4E-03, 1E-02)*
CHROMIUM (III)	1E-07	*(9E-08, 1E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(4E-06, 7E-06)*
CHROMIUM (VI)	7E-06	*(4E-06, 1E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
COBALT	2E-07	*(2E-07, 3E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*
MANGANESE	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 7E-06)*
MERCURY (DIVALENT)	1E-04	*(9E-05, 2E-04)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 1E-03)*	2E-03	*
MERCURY (METHYL)	4E-04	*(2E-04, 8E-04)*	4E-03	*	*	*	*	*
NICKEL	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	7E-05	*(3E-05, 9E-05)*	1E-04	*
SELENIUM	5E-05	*(3E-05, 9E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	7E-03	*(2E-03, 9E-03)*
SILVER	4E-06	*(2E-06, 8E-06)*	1E-04	*(4E-05, 1E-03)*	6E-04	*(8E-05, 6E-03)*	1E-02	*
THALLIUM	1E-05	*(6E-06, 3E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(4E-04, 4E-03)*	9E-03	*(1E-03, 1E-02)*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-03	*(3E-03, 8E-03)*	5E-02	*(3E-02, 7E-02)*	8E-02	*(5E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B114. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 6E-08)*	5E-07	*(2E-07, 8E-07)*	9E-07	*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*	*	*	*	*
Additive Risk	3E-08	*(8E-09, 7E-08)*	5E-07	*(3E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(4E-11, 1E-10)*	5E-10	*(4E-10, 8E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	9E-10	*(4E-10, 2E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	1E-11	*(5E-12, 3E-11)*	5E-10	*(2E-10, 7E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*
CADMIUM	5E-10	*(4E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(5E-11, 1E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 5E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(3E-07, 3E-06)*	2E-03	*	*	*	*	*
ARSENIC	5E-06	*(3E-06, 9E-06)*	4E-04	*(5E-05, 6E-04)*	5E-04	*(3E-04, 6E-04)*	7E-04	*
BARIUM	6E-08	*(4E-08, 9E-08)*	9E-07	*(4E-07, 3E-06)*	4E-06	*(8E-07, 8E-06)*	1E-05	*(8E-06, 1E-05)*
BERYLLIUM	1E-07	*(4E-08, 3E-07)*	5E-06	*(1E-06, 2E-05)*	2E-05	*(3E-06, 3E-05)*	4E-05	*(9E-06, 5E-05)*
CADMIUM	4E-05	*(1E-05, 6E-05)*	1E-03	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-08	*(9E-09, 1E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	1E-07	*(6E-08, 1E-06)*	6E-06	*	*	*	*	*
COBALT	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
MANGANESE	2E-08	*(1E-08, 8E-08)*	4E-07	*(1E-07, 5E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	8E-07	*(4E-07, 1E-06)*	4E-05	*(5E-06, 9E-05)*	1E-04	*(1E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*
MERCURY (METHYL)	2E-06	*(6E-08, 7E-05)*	1E-03	*(3E-04, 5E-03)*	8E-03	*(8E-04, 2E-02)*	*	*
NICKEL	1E-07	*(5E-08, 5E-07)*	3E-06	*(9E-07, 5E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	9E-10	*(3E-10, 1E-08)*	4E-07	*	1E-06	*	*	*
THALLIUM	2E-06	*(1E-06, 3E-06)*	6E-05	*(2E-05, 8E-04)*	9E-04	*(5E-05, 1E-03)*	2E-03	*(1E-04, 2E-03)*
Hazard Index	5E-04	*(1E-04, 7E-04)*	1E-02	*(4E-03, 1E-02)*	1E-02	*(9E-03, 3E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	4E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(3E-04, 3E-03)*	2E-02	*(9E-03, 4E-02)*	5E-02	*(3E-02, 6E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B115. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(5E-08, 1E-07)*	8E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
ARSENIC	5E-10	*(2E-10, 9E-10)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(6E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(6E-11, 1E-10)*	6E-10	*(5E-10, 8E-10)*	1E-09	*(7E-10, 1E-09)*	2E-09	*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
BERYLLIUM	2E-11	*(6E-12, 4E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*
CADMIUM	6E-10	*(4E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(4E-06, 9E-05)*	1E-03	*(6E-04, 6E-03)*	5E-03	*(9E-04, 9E-03)*	*	*
ARSENIC	8E-06	*(5E-06, 2E-05)*	3E-04	*(1E-04, 4E-04)*	4E-04	*(3E-04, 6E-04)*	8E-04	*
BARIUM	1E-07	*(9E-08, 3E-07)*	3E-06	*(1E-06, 9E-06)*	1E-05	*(3E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*
BERYLLIUM	5E-08	*(1E-08, 1E-07)*	3E-06	*(8E-07, 1E-05)*	1E-05	*(1E-06, 1E-05)*	2E-05	*(6E-06, 2E-05)*
CADMIUM	8E-05	*(4E-05, 1E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	8E-03	*
CHROMIUM (III)	7E-08	*(5E-08, 9E-08)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	4E-06	*(2E-06, 6E-06)*	4E-05	*(2E-05, 6E-05)*	7E-05	*(4E-05, 9E-05)*	2E-04	*
COBALT	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 6E-06)*
MANGANESE	1E-07	*(1E-07, 2E-07)*	1E-06	*(8E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
MERCURY (DIVALENT)	8E-05	*(6E-05, 9E-05)*	6E-04	*(4E-04, 7E-04)*	8E-04	*(6E-04, 9E-04)*	1E-03	*
MERCURY (METHYL)	3E-04	*(1E-04, 5E-04)*	2E-03	*	*	*	*	*
NICKEL	1E-06	*(8E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*	8E-05	*(6E-05, 9E-05)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 3E-03)*	5E-03	*(2E-03, 8E-03)*
SILVER	2E-06	*(1E-06, 4E-06)*	6E-05	*(2E-05, 8E-04)*	4E-04	*(4E-05, 3E-03)*	8E-03	*(8E-05, 1E-02)*
THALLIUM	9E-06	*(4E-06, 2E-05)*	5E-04	*(1E-04, 9E-04)*	1E-03	*(3E-04, 3E-03)*	6E-03	*(7E-04, 7E-03)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(2E-03, 5E-03)*	3E-02	*(2E-02, 4E-02)*	4E-02	*(3E-02, 5E-02)*	8E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B116. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(9E-09, 9E-08)*	7E-07	*(3E-07, 9E-07)*	1E-06	*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	*	*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 9E-08)*	7E-07	*(3E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	6E-10	*(4E-10, 9E-10)*	1E-09	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	1E-11	*(5E-12, 3E-11)*	6E-10	*(2E-10, 8E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	6E-10	*(4E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	6E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(9E-08, 1E-06)*	7E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 6E-06)*	2E-04	*(4E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	4E-04	*
BARIUM	2E-08	*(1E-08, 3E-08)*	3E-07	*(1E-07, 8E-07)*	9E-07	*(2E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
BERYLLIUM	6E-08	*(1E-08, 1E-07)*	2E-06	*(5E-07, 1E-05)*	8E-06	*(1E-06, 2E-05)*	2E-05	*(5E-06, 3E-05)*
CADMIUM	3E-05	*(1E-05, 5E-05)*	8E-04	*(4E-04, 9E-04)*	1E-03	*(8E-04, 2E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	*	*
CHROMIUM (VI)	8E-08	*(3E-08, 6E-07)*	4E-06	*	*	*	*	*
COBALT	5E-10	*(4E-10, 7E-10)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 9E-09)*	1E-08	*
MANGANESE	8E-09	*(4E-09, 3E-08)*	2E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 3E-07)*	9E-06	*(1E-06, 2E-05)*	3E-05	*(4E-06, 5E-05)*	7E-05	*(5E-05, 8E-05)*
MERCURY (METHYL)	2E-06	*(1E-08, 7E-05)*	1E-03	*(3E-04, 5E-03)*	8E-03	*(8E-04, 2E-02)*	*	*
NICKEL	9E-08	*(1E-08, 2E-07)*	2E-06	*	2E-06	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	4E-10	*(1E-10, 7E-09)*	2E-07	*	6E-07	*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	5E-05	*(1E-05, 4E-04)*	4E-04	*	*	*
Hazard Index	4E-04	*(1E-04, 4E-04)*	9E-03	*(2E-03, 1E-02)*	1E-02	*(8E-03, 3E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	4E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(3E-04, 3E-03)*	2E-02	*(9E-03, 4E-02)*	5E-02	*(3E-02, 6E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B117. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 7E-08)*	4E-07	*(2E-07, 5E-07)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*
ARSENIC	2E-10	*(1E-10, 5E-10)*	1E-08	*(7E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*
Additive Risk	5E-08	*(3E-08, 7E-08)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(5E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(4E-11, 9E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(4E-10, 8E-10)*	1E-09	*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	1E-11	*(4E-12, 3E-11)*	5E-10	*(1E-10, 8E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*
CADMIUM	4E-10	*(2E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(2E-09, 3E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(5E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
Additive Risk	5E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-06	*(2E-06, 5E-05)*	9E-04	*(3E-04, 3E-03)*	3E-03	*(6E-04, 5E-03)*	6E-03	*
ARSENIC	4E-06	*(3E-06, 9E-06)*	2E-04	*(8E-05, 2E-04)*	3E-04	*(1E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	7E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 5E-06)*	7E-06	*(1E-06, 9E-06)*	2E-05	*(9E-06, 3E-05)*
BERYLLIUM	2E-08	*(8E-09, 7E-08)*	1E-06	*(4E-07, 9E-06)*	8E-06	*(9E-07, 1E-05)*	1E-05	*(3E-06, 1E-05)*
CADMIUM	4E-05	*(2E-05, 9E-05)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	4E-03	*(2E-03, 5E-03)*
CHROMIUM (III)	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(3E-07, 9E-07)*	1E-06	*
CHROMIUM (VI)	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	8E-05	*
COBALT	8E-08	*(6E-08, 9E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
MANGANESE	8E-08	*(6E-08, 1E-07)*	5E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	4E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*	7E-04	*(5E-04, 8E-04)*
MERCURY (METHYL)	1E-04	*(6E-05, 2E-04)*	1E-03	*	*	*	*	*
NICKEL	8E-07	*(4E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	1E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 1E-03)*	3E-03	*(8E-04, 4E-03)*
SILVER	9E-07	*(6E-07, 1E-06)*	2E-05	*(9E-06, 4E-04)*	2E-04	*(2E-05, 1E-03)*	4E-03	*(3E-05, 5E-03)*
THALLIUM	4E-06	*(2E-06, 9E-06)*	2E-04	*(7E-05, 6E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 4E-03)*
Hazard Index	7E-04	*(4E-04, 1E-03)*	8E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 1E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(7E-04, 2E-03)*	1E-02	*(8E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*
TCDD-TEQ	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B118. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 6E-08)*	5E-07	*(2E-07, 8E-07)*	9E-07	*	*	*
ARSENIC	9E-11	*(6E-11, 2E-10)*	9E-09	*(1E-09, 1E-08)*	1E-08	*	*	*
Additive Risk	2E-08	*(7E-09, 7E-08)*	5E-07	*(2E-07, 8E-07)*	1E-06	*(6E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 8E-11)*	4E-10	*(3E-10, 6E-10)*	6E-10	*(4E-10, 9E-10)*	1E-09	*
ARSENIC	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(3E-12, 2E-11)*	4E-10	*(1E-10, 5E-10)*	6E-10	*(2E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(3E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	4E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(5E-08, 6E-07)*	7E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*	*	*
BARIUM	1E-08	*(9E-09, 1E-08)*	1E-07	*(6E-08, 4E-07)*	6E-07	*(1E-07, 9E-07)*	2E-06	*(9E-07, 2E-06)*
BERYLLIUM	4E-08	*(9E-09, 8E-08)*	1E-06	*(3E-07, 6E-06)*	5E-06	*(9E-07, 9E-06)*	*	*
CADMIUM	2E-05	*(9E-06, 3E-05)*	8E-04	*(2E-04, 9E-04)*	9E-04	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	5E-08	*(2E-08, 4E-07)*	3E-06	*	*	*	*	*
COBALT	1E-09	*(7E-10, 4E-09)*	5E-08	*	6E-08	*	*	*
MANGANESE	3E-09	*(2E-09, 1E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	9E-08	*(6E-08, 2E-07)*	5E-06	*(8E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
MERCURY (METHYL)	1E-06	*(8E-09, 5E-05)*	9E-04	*(2E-04, 3E-03)*	6E-03	*(7E-04, 9E-03)*	*	*
NICKEL	7E-08	*(9E-09, 1E-07)*	1E-06	*	2E-06	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	2E-10	*(6E-11, 3E-09)*	2E-07	*	4E-07	*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	3E-05	*(8E-06, 2E-04)*	3E-04	*	*	*
Hazard Index	2E-04	*(7E-05, 3E-04)*	6E-03	*(2E-03, 9E-03)*	1E-02	*(5E-03, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	4E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(1E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 2E-03)*	2E-02	*(9E-03, 3E-02)*	3E-02	*(2E-02, 5E-02)*	6E-02	*(5E-02, 6E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B119. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 8E-08)*	5E-07	*(3E-07, 7E-07)*	8E-07	*(5E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*
ARSENIC	5E-10	*(3E-10, 9E-10)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	6E-08	*(4E-08, 9E-08)*	5E-07	*(3E-07, 7E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(6E-11, 1E-10)*	6E-10	*(4E-10, 7E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(6E-12, 4E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*
CADMIUM	5E-10	*(4E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	4E-08	*(4E-08, 5E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	8E-06	*(1E-06, 4E-05)*	9E-04	*(2E-04, 3E-03)*	2E-03	*(7E-04, 6E-03)*	7E-03	*
ARSENIC	5E-06	*(3E-06, 9E-06)*	2E-04	*(8E-05, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	4E-08	*(2E-08, 7E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*(7E-07, 6E-06)*	9E-06	*(7E-06, 1E-05)*
BERYLLIUM	2E-08	*(6E-09, 7E-08)*	1E-06	*(3E-07, 6E-06)*	5E-06	*(7E-07, 8E-06)*	9E-06	*(2E-06, 1E-05)*
CADMIUM	4E-05	*(2E-05, 9E-05)*	7E-04	*(4E-04, 1E-03)*	1E-03	*(8E-04, 2E-03)*	4E-03	*(2E-03, 6E-03)*
CHROMIUM (III)	1E-08	*(1E-08, 2E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*
CHROMIUM (VI)	1E-06	*(6E-07, 2E-06)*	2E-05	*(8E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 7E-05)*
COBALT	6E-08	*(5E-08, 8E-08)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*
MANGANESE	6E-08	*(5E-08, 9E-08)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*
MERCURY (DIVALENT)	2E-05	*(2E-05, 3E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
MERCURY (METHYL)	1E-04	*(6E-05, 2E-04)*	1E-03	*	*	*	*	*
NICKEL	5E-07	*(2E-07, 9E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 1E-05)*	2E-05	*
SELENIUM	2E-05	*(1E-05, 3E-05)*	4E-04	*(1E-04, 8E-04)*	9E-04	*(4E-04, 2E-03)*	3E-03	*(9E-04, 4E-03)*
SILVER	5E-07	*(3E-07, 8E-07)*	1E-05	*(4E-06, 3E-04)*	1E-04	*(9E-06, 8E-04)*	2E-03	*
THALLIUM	4E-06	*(2E-06, 9E-06)*	2E-04	*(6E-05, 6E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 3E-03)*
Hazard Index	7E-04	*(4E-04, 1E-03)*	9E-03	*(3E-03, 1E-02)*	1E-02	*(7E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-06	*(2E-06, 3E-06)*	2E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 3E-05)*	4E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(5E-04, 1E-03)*	9E-03	*(6E-03, 1E-02)*	1E-02	*(9E-03, 1E-02)*	2E-02	*(2E-02, 3E-02)*
TCDD-TEQ	9E-04	*(6E-04, 1E-03)*	9E-03	*(6E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B120. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 1E-07)*	9E-07	*(4E-07, 2E-06)*	2E-06	*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	1E-08	*(2E-09, 2E-08)*	2E-08	*	3E-08	*
Additive Risk	4E-08	*(1E-08, 1E-07)*	9E-07	*(4E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 8E-11)*	4E-10	*(3E-10, 6E-10)*	6E-10	*(4E-10, 9E-10)*	1E-09	*
ARSENIC	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(3E-12, 2E-11)*	4E-10	*(1E-10, 5E-10)*	6E-10	*(2E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(3E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	4E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(3E-08, 6E-07)*	8E-04	*	*	*	*	*
ARSENIC	1E-06	*(9E-07, 3E-06)*	1E-04	*	*	*	*	*
BARIUM	9E-09	*(7E-09, 1E-08)*	6E-08	*(2E-08, 1E-07)*	2E-07	*(5E-08, 4E-07)*	6E-07	*(4E-07, 8E-07)*
BERYLLIUM	3E-08	*(6E-09, 7E-08)*	1E-06	*(2E-07, 5E-06)*	4E-06	*(6E-07, 9E-06)*	*	*
CADMIUM	2E-05	*(8E-06, 3E-05)*	8E-04	*(3E-04, 9E-04)*	9E-04	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	8E-10	*(6E-10, 9E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	*	*
CHROMIUM (VI)	3E-08	*(1E-08, 4E-07)*	3E-06	*	1E-05	*	*	*
COBALT	8E-10	*(3E-10, 1E-09)*	6E-08	*	7E-08	*	*	*
MANGANESE	2E-09	*(1E-09, 7E-09)*	1E-07	*	2E-07	*	*	*
MERCURY (DIVALENT)	5E-08	*(3E-08, 8E-08)*	2E-06	*(3E-07, 5E-06)*	7E-06	*(9E-07, 9E-06)*	1E-05	*(9E-06, 2E-05)*
MERCURY (METHYL)	1E-06	*(3E-09, 5E-05)*	9E-04	*(2E-04, 3E-03)*	6E-03	*(7E-04, 9E-03)*	*	*
NICKEL	7E-08	*(7E-09, 1E-07)*	1E-06	*	2E-06	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	1E-10	*(5E-11, 3E-09)*	2E-07	*	4E-07	*	*	*
THALLIUM	9E-07	*(7E-07, 1E-06)*	3E-05	*(8E-06, 3E-04)*	4E-04	*	*	*
Hazard Index	2E-04	*(7E-05, 3E-04)*	7E-03	*(2E-03, 9E-03)*	1E-02	*(5E-03, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(1E-05, 6E-05)*	7E-05	*(2E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	8E-04	*(4E-04, 1E-03)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(9E-03, 2E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 2E-04)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(8E-04, 3E-03)*	3E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	3E-04	*(2E-04, 4E-04)*	4E-04	*(3E-04, 5E-04)*	7E-04	*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 2E-06)*	1E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(1E-04, 2E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 2E-03)*	2E-02	*(9E-03, 3E-02)*	3E-02	*(2E-02, 5E-02)*	6E-02	*(5E-02, 6E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B121. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(8E-09, 3E-08)*	3E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*
ARSENIC	4E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	2E-08	*(9E-09, 4E-08)*	3E-07	*(2E-07, 6E-07)*	7E-07	*(5E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	5E-10	*(3E-10, 7E-10)*	1E-09	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 5E-09)*	5E-09	*(2E-09, 8E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 6E-11)*	8E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 4E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
NICKEL	6E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
Additive Risk	7E-10	*(4E-10, 1E-09)*	8E-09	*(5E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(4E-08, 4E-07)*	9E-06	*(2E-06, 4E-05)*	4E-05	*(7E-06, 5E-05)*	6E-05	*(1E-05, 7E-05)*
ARSENIC	9E-07	*(4E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(2E-05, 8E-05)*	1E-04	*
BARIUM	6E-08	*(2E-08, 9E-08)*	1E-06	*(7E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	1E-05	*(4E-06, 1E-05)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	1E-06	*(5E-07, 1E-06)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	9E-09	*(4E-09, 2E-08)*	3E-07	*(1E-07, 6E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*
CHROMIUM (VI)	3E-07	*(2E-07, 7E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 2E-05)*	4E-05	*(3E-05, 5E-05)*
COBALT	5E-08	*(4E-08, 8E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
MANGANESE	5E-08	*(3E-08, 9E-08)*	8E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	2E-05	*(1E-05, 4E-05)*	3E-04	*(1E-04, 5E-04)*	7E-04	*(3E-04, 8E-04)*	1E-03	*(9E-04, 2E-03)*
MERCURY (METHYL)	1E-04	*(3E-05, 3E-04)*	3E-03	*	*	*	*	*
NICKEL	7E-08	*(3E-08, 1E-07)*	5E-06	*(1E-06, 6E-06)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*
SELENIUM	5E-06	*(2E-06, 9E-06)*	1E-04	*(8E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*	8E-04	*(6E-04, 9E-04)*
SILVER	1E-06	*(9E-07, 3E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*
THALLIUM	5E-06	*(2E-06, 7E-06)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	2E-03	*(9E-04, 3E-03)*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 1E-02)*	1E-02	*(3E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(8E-08, 3E-07)*	3E-06	*(2E-06, 7E-06)*	9E-06	*(3E-06, 2E-05)*	4E-05	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	2E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 5E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B122. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 7E-08)*	*	*
ARSENIC	1E-11	*(8E-12, 9E-11)*	6E-10	*(2E-10, 8E-10)*	8E-10	*(4E-10, 9E-10)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(2E-08, 8E-08)*	2E-07	*(6E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 2E-11)*	3E-10	*(1E-10, 4E-10)*	5E-10	*(3E-10, 6E-10)*	1E-09	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 7E-09)*	9E-09	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 6E-11)*	8E-11	*(3E-11, 2E-10)*	3E-10	*
CADMIUM	4E-11	*(2E-11, 5E-11)*	4E-10	*(2E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
NICKEL	6E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	7E-10	*(4E-10, 1E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(4E-09, 5E-08)*	2E-06	*	*	*	*	*
ARSENIC	3E-07	*(1E-07, 2E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*
BARIUM	8E-09	*(3E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	1E-06	*(6E-07, 2E-06)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	1E-06	*(5E-07, 1E-06)*
CADMIUM	2E-06	*(1E-06, 4E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	8E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 4E-08)*	7E-08	*(3E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(8E-09, 4E-08)*	7E-07	*	*	*	*	*
COBALT	3E-10	*(2E-10, 5E-10)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
MANGANESE	8E-09	*(3E-09, 1E-08)*	1E-07	*(3E-08, 5E-07)*	4E-07	*(8E-08, 7E-07)*	*	*
MERCURY (DIVALENT)	1E-07	*(6E-08, 3E-07)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(9E-06, 7E-05)*	1E-04	*(5E-05, 2E-04)*
MERCURY (METHYL)	9E-06	*(4E-06, 3E-05)*	1E-03	*(2E-04, 7E-03)*	8E-03	*(7E-04, 2E-02)*	*	*
NICKEL	5E-09	*(4E-09, 1E-08)*	3E-07	*	*	*	*	*
SELENIUM	9E-07	*(4E-07, 2E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	2E-09	*(9E-10, 2E-08)*	1E-07	*	*	*	*	*
THALLIUM	9E-07	*(3E-07, 2E-06)*	3E-05	*(1E-05, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
Hazard Index	6E-05	*(3E-05, 1E-04)*	2E-03	*(5E-04, 9E-03)*	9E-03	*(1E-03, 3E-02)*	8E-02	*(9E-03, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(7E-08, 3E-07)*	3E-06	*(2E-06, 6E-06)*	8E-06	*(3E-06, 1E-05)*	4E-05	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-05	*(5E-05, 9E-05)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 3E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B123. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 2E-08)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(9E-07, 2E-06)*
ARSENIC	4E-11	*(1E-11, 1E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	1E-08	*(7E-09, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 8E-10)*	1E-09	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 5E-10)*
CADMIUM	5E-11	*(3E-11, 7E-11)*	4E-10	*(3E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(3E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(3E-12, 1E-11)*	2E-10	*(7E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	8E-10	*(5E-10, 1E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-08	*(3E-08, 2E-07)*	6E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	3E-05	*(8E-06, 4E-05)*
ARSENIC	7E-07	*(2E-07, 2E-06)*	1E-05	*(9E-06, 3E-05)*	4E-05	*(1E-05, 6E-05)*	1E-04	*(6E-05, 2E-04)*
BARIUM	3E-08	*(1E-08, 6E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(7E-07, 2E-06)*	5E-06	*(2E-06, 7E-06)*
BERYLLIUM	6E-09	*(3E-09, 9E-09)*	7E-08	*(4E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
CADMIUM	3E-06	*(2E-06, 5E-06)*	5E-05	*(3E-05, 7E-05)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 5E-04)*
CHROMIUM (III)	5E-09	*(2E-09, 9E-09)*	1E-07	*(9E-08, 3E-07)*	5E-07	*(2E-07, 6E-07)*	1E-06	*
CHROMIUM (VI)	2E-07	*(9E-08, 4E-07)*	8E-06	*(3E-06, 9E-06)*	1E-05	*(6E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*
COBALT	3E-08	*(2E-08, 5E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
MANGANESE	2E-08	*(1E-08, 5E-08)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*
MERCURY (DIVALENT)	1E-05	*(7E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	4E-04	*(1E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*
MERCURY (METHYL)	9E-05	*(2E-05, 2E-04)*	2E-03	*	*	*	*	*
NICKEL	4E-08	*(2E-08, 9E-08)*	2E-06	*(9E-07, 3E-06)*	5E-06	*(1E-06, 7E-06)*	1E-05	*
SELENIUM	3E-06	*(1E-06, 7E-06)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
SILVER	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 5E-05)*	7E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
THALLIUM	3E-06	*(1E-06, 5E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 6E-04)*	1E-03	*(7E-04, 2E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	2E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 1E-02)*	1E-02	*(3E-03, 1E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(8E-08, 3E-07)*	3E-06	*(2E-06, 7E-06)*	9E-06	*(3E-06, 2E-05)*	4E-05	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-04	*(2E-04, 9E-04)*	9E-03	*(5E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 5E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B124. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 9E-08)*	*	*
ARSENIC	1E-11	*(7E-12, 7E-11)*	5E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 1E-09)*	*	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 2E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	3E-09	*(1E-09, 4E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*
CADMIUM	5E-11	*(3E-11, 6E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(4E-12, 1E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
Additive Risk	8E-10	*(4E-10, 1E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(1E-09, 1E-08)*	1E-06	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 1E-06)*	9E-06	*(3E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	*	*
BARIUM	2E-09	*(9E-10, 5E-09)*	8E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(2E-07, 5E-07)*
BERYLLIUM	8E-09	*(4E-09, 1E-08)*	7E-08	*(4E-08, 8E-08)*	9E-08	*(7E-08, 1E-07)*	3E-07	*(1E-07, 6E-07)*
CADMIUM	1E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 7E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	2E-10	*(9E-11, 4E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*
CHROMIUM (VI)	7E-09	*(4E-09, 2E-08)*	5E-07	*(1E-07, 5E-06)*	4E-06	*(2E-07, 8E-06)*	*	*
COBALT	9E-11	*(7E-11, 1E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	8E-09	*(5E-09, 8E-09)*
MANGANESE	3E-09	*(9E-10, 6E-09)*	5E-08	*	*	*	*	*
MERCURY (DIVALENT)	3E-08	*(2E-08, 8E-08)*	4E-06	*(7E-07, 8E-06)*	9E-06	*(3E-06, 2E-05)*	4E-05	*(1E-05, 4E-05)*
MERCURY (METHYL)	9E-06	*(4E-06, 3E-05)*	1E-03	*(2E-04, 7E-03)*	8E-03	*(7E-04, 2E-02)*	*	*
NICKEL	3E-09	*(2E-09, 8E-09)*	1E-07	*	*	*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	9E-10	*(3E-10, 9E-09)*	7E-08	*(3E-08, 4E-07)*	4E-07	*	*	*
THALLIUM	7E-07	*(3E-07, 2E-06)*	2E-05	*(9E-06, 6E-05)*	6E-05	*(2E-05, 9E-05)*	*	*
Hazard Index	5E-05	*(2E-05, 8E-05)*	2E-03	*(5E-04, 9E-03)*	9E-03	*(1E-03, 3E-02)*	8E-02	*(9E-03, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(7E-08, 3E-07)*	3E-06	*(2E-06, 6E-06)*	8E-06	*(3E-06, 1E-05)*	4E-05	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-05	*(4E-05, 9E-05)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 3E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B125. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(3E-09, 1E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	7E-07	*(4E-07, 8E-07)*
ARSENIC	2E-11	*(8E-12, 7E-11)*	4E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	6E-09	*(3E-09, 1E-08)*	1E-07	*(7E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	2E-10	*(1E-10, 3E-10)*	4E-10	*(2E-10, 5E-10)*	9E-10	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(9E-10, 4E-09)*	4E-09	*(2E-09, 6E-09)*	7E-09	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	3E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*(1E-10, 3E-10)*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	4E-12	*(2E-12, 8E-12)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 8E-10)*	6E-09	*(4E-09, 8E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-08	*(1E-08, 1E-07)*	3E-06	*(8E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	2E-05	*(4E-06, 2E-05)*
ARSENIC	4E-07	*(1E-07, 1E-06)*	8E-06	*(5E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	1E-08	*(5E-09, 3E-08)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(3E-07, 9E-07)*	2E-06	*(9E-07, 3E-06)*
BERYLLIUM	3E-09	*(2E-09, 5E-09)*	4E-08	*(2E-08, 5E-08)*	6E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 4E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*
CHROMIUM (III)	2E-09	*(9E-10, 5E-09)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*
CHROMIUM (VI)	9E-08	*(5E-08, 2E-07)*	3E-06	*(1E-06, 6E-06)*	6E-06	*(2E-06, 7E-06)*	1E-05	*(6E-06, 1E-05)*
COBALT	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*
MANGANESE	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*(5E-07, 9E-07)*
MERCURY (DIVALENT)	7E-06	*(3E-06, 1E-05)*	9E-05	*(4E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 6E-04)*
MERCURY (METHYL)	4E-05	*(9E-06, 9E-05)*	1E-03	*	*	*	*	*
NICKEL	2E-08	*(9E-09, 4E-08)*	1E-06	*(4E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	6E-06	*(4E-06, 7E-06)*
SELENIUM	2E-06	*(8E-07, 3E-06)*	6E-05	*(3E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*
SILVER	4E-07	*(2E-07, 7E-07)*	1E-05	*(5E-06, 2E-05)*	3E-05	*(1E-05, 5E-05)*	8E-05	*(5E-05, 9E-05)*
THALLIUM	1E-06	*(8E-07, 3E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(4E-05, 3E-04)*	7E-04	*(4E-04, 1E-03)*
Hazard Index	1E-04	*(6E-05, 2E-04)*	1E-03	*(7E-04, 6E-03)*	6E-03	*(1E-03, 6E-03)*	6E-03	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(8E-08, 3E-07)*	3E-06	*(2E-06, 7E-06)*	9E-06	*(3E-06, 2E-05)*	4E-05	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(8E-05, 3E-04)*	4E-03	*(2E-03, 5E-03)*	7E-03	*(4E-03, 9E-03)*	2E-02	*(1E-02, 2E-02)*
TCDD-TEQ	2E-04	*(1E-04, 5E-04)*	5E-03	*(2E-03, 7E-03)*	9E-03	*(6E-03, 1E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B126. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 7E-08)*	*	*
ARSENIC	8E-12	*(4E-12, 5E-11)*	3E-10	*(1E-10, 4E-10)*	4E-10	*(2E-10, 8E-10)*	*	*
Additive Risk	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 8E-08)*	2E-07	*(5E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	2E-10	*(1E-10, 3E-10)*	4E-10	*(2E-10, 5E-10)*	9E-10	*
ARSENIC	3E-11	*(1E-11, 9E-11)*	2E-09	*(7E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 7E-10)*	5E-09	*(3E-09, 8E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-09	*(9E-10, 9E-09)*	7E-07	*	*	*	*	*
ARSENIC	1E-07	*(8E-08, 8E-07)*	6E-06	*(2E-06, 7E-06)*	8E-06	*	*	*
BARIUM	9E-10	*(4E-10, 2E-09)*	5E-08	*(2E-08, 6E-08)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 3E-07)*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(4E-08, 9E-08)*	2E-07	*(9E-08, 3E-07)*
CADMIUM	9E-07	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	1E-10	*(6E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
CHROMIUM (VI)	4E-09	*(3E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	4E-10	*(2E-10, 1E-09)*	1E-08	*	*	*	*	*
MANGANESE	1E-09	*(7E-10, 4E-09)*	3E-08	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(9E-09, 4E-08)*	2E-06	*(3E-07, 4E-06)*	5E-06	*(1E-06, 9E-06)*	2E-05	*(7E-06, 2E-05)*
MERCURY (METHYL)	8E-06	*(3E-06, 2E-05)*	1E-03	*(2E-04, 5E-03)*	6E-03	*(5E-04, 1E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	6E-10	*(2E-10, 5E-09)*	5E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 1E-06)*	2E-05	*(8E-06, 4E-05)*	4E-05	*(2E-05, 6E-05)*	*	*
Hazard Index	4E-05	*(2E-05, 6E-05)*	1E-03	*(4E-04, 7E-03)*	7E-03	*(9E-04, 2E-02)*	5E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(7E-08, 3E-07)*	3E-06	*(2E-06, 6E-06)*	8E-06	*(3E-06, 1E-05)*	4E-05	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-05	*(2E-05, 5E-05)*	6E-04	*(4E-04, 7E-04)*	9E-04	*(6E-04, 2E-03)*	*	*
TCDD-TEQ	5E-05	*(3E-05, 7E-05)*	8E-04	*(5E-04, 1E-03)*	1E-03	*(8E-04, 3E-03)*	8E-03	*(2E-03, 8E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B127. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-09	*(3E-09, 1E-08)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(5E-07, 9E-07)*
ARSENIC	4E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	5E-09	*(3E-09, 7E-09)*
Additive Risk	8E-09	*(5E-09, 1E-08)*	2E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 4E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	8E-10	*(4E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(1E-08, 1E-07)*	2E-06	*	*	*	*	*
ARSENIC	4E-07	*(1E-07, 1E-06)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	1E-06	*(5E-07, 2E-06)*
BERYLLIUM	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 7E-08)*	2E-07	*(8E-08, 3E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	1E-09	*(6E-10, 2E-09)*	4E-08	*(2E-08, 8E-08)*	1E-07	*(6E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*
CHROMIUM (VI)	6E-08	*(3E-08, 1E-07)*	2E-06	*(8E-07, 6E-06)*	6E-06	*(1E-06, 7E-06)*	9E-06	*(3E-06, 1E-05)*
COBALT	9E-09	*(7E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*
MANGANESE	9E-09	*(6E-09, 1E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	4E-07	*(3E-07, 5E-07)*
MERCURY (DIVALENT)	4E-06	*(2E-06, 7E-06)*	5E-05	*(3E-05, 9E-05)*	1E-04	*(6E-05, 1E-04)*	3E-04	*(1E-04, 4E-04)*
MERCURY (METHYL)	4E-05	*(9E-06, 9E-05)*	9E-04	*	*	*	*	*
NICKEL	1E-08	*(9E-09, 2E-08)*	9E-07	*(2E-07, 2E-06)*	2E-06	*(6E-07, 3E-06)*	3E-06	*(2E-06, 4E-06)*
SELENIUM	2E-06	*(9E-07, 4E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
SILVER	2E-07	*(9E-08, 4E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*
THALLIUM	1E-06	*(8E-07, 3E-06)*	4E-05	*(1E-05, 7E-05)*	1E-04	*(4E-05, 3E-04)*	6E-04	*(3E-04, 9E-04)*
Hazard Index	1E-04	*(5E-05, 2E-04)*	1E-03	*(6E-04, 6E-03)*	6E-03	*(1E-03, 6E-03)*	6E-03	*(1E-03, 7E-03)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	2E-07	*(8E-08, 3E-07)*	3E-06	*(2E-06, 7E-06)*	9E-06	*(3E-06, 2E-05)*	4E-05	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(7E-05, 2E-04)*	3E-03	*(1E-03, 4E-03)*	5E-03	*(3E-03, 8E-03)*	1E-02	*(9E-03, 2E-02)*
TCDD-TEQ	1E-04	*(7E-05, 3E-04)*	3E-03	*(1E-03, 4E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B128. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	4E-08	*(2E-08, 6E-08)*	7E-08	*(4E-08, 1E-07)*	*	*
ARSENIC	1E-11	*(9E-12, 9E-11)*	7E-10	*(2E-10, 9E-10)*	9E-10	*(3E-10, 1E-09)*	*	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	4E-08	*(3E-08, 6E-08)*	7E-08	*(4E-08, 2E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	2E-10	*(1E-10, 3E-10)*	4E-10	*(2E-10, 5E-10)*	9E-10	*
ARSENIC	3E-11	*(1E-11, 9E-11)*	2E-09	*(7E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 8E-12)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 7E-10)*	5E-09	*(3E-09, 8E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-09	*(8E-10, 9E-09)*	1E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 9E-07)*	7E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	5E-10	*(2E-10, 1E-09)*	4E-08	*(1E-08, 6E-08)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(6E-08, 1E-07)*
BERYLLIUM	3E-09	*(2E-09, 8E-09)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(4E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*
CADMIUM	9E-07	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	6E-11	*(3E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 5E-09)*	9E-09	*(7E-09, 1E-08)*
CHROMIUM (VI)	4E-09	*(2E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	4E-10	*(1E-10, 1E-09)*	1E-08	*	*	*	*	*
MANGANESE	1E-09	*(4E-10, 4E-09)*	4E-08	*	*	*	*	*
MERCURY (DIVALENT)	8E-09	*(4E-09, 2E-08)*	9E-07	*(1E-07, 1E-06)*	2E-06	*(7E-07, 4E-06)*	8E-06	*(3E-06, 9E-06)*
MERCURY (METHYL)	8E-06	*(3E-06, 2E-05)*	1E-03	*(2E-04, 5E-03)*	6E-03	*(5E-04, 1E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	7E-10	*(1E-10, 5E-09)*	5E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 1E-06)*	2E-05	*(7E-06, 4E-05)*	4E-05	*(2E-05, 6E-05)*	*	*
Hazard Index	4E-05	*(2E-05, 6E-05)*	1E-03	*(4E-04, 7E-03)*	7E-03	*(9E-04, 2E-02)*	5E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(1E-07, 6E-07)*	7E-06	*(4E-06, 1E-05)*	1E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(9E-05, 3E-04)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(3E-03, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 5E-05)*	4E-04	*(3E-04, 7E-04)*	8E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	1E-05	*(9E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	7E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 2E-07)*	2E-06	*(1E-06, 4E-06)*	5E-06	*(2E-06, 1E-05)*	2E-05	*
Hazard Index	2E-04	*(2E-04, 4E-04)*	3E-03	*(2E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-05	*(3E-05, 6E-05)*	7E-04	*(4E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	*	*
TCDD-TEQ	5E-05	*(3E-05, 7E-05)*	8E-04	*(5E-04, 1E-03)*	1E-03	*(8E-04, 3E-03)*	7E-03	*(2E-03, 7E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B129. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-07	*(5E-07, 9E-07)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(6E-06, 7E-06)*	**2E-05**	*(2E-05, 2E-05)*
ARSENIC	6E-10	*(4E-10, 9E-10)*	8E-09	*(5E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	8E-07	*(5E-07, 1E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(6E-06, 7E-06)*	**2E-05**	*(2E-05, 2E-05)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 5E-10)*	1E-09	*(9E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 7E-09)*	1E-08	*(9E-09, 1E-08)*
BERYLLIUM	3E-11	*(3E-11, 5E-11)*	3E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	7E-10	*(6E-10, 9E-10)*	2E-09	*(2E-09, 2E-09)*	4E-09	*(4E-09, 4E-09)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 4E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*
NICKEL	6E-11	*(6E-11, 8E-11)*	9E-10	*(2E-10, 2E-09)*	2E-09	*(9E-10, 2E-09)*	7E-09	*(7E-09, 7E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(9E-06, 4E-05)*	8E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	*	*
ARSENIC	1E-05	*(9E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(5E-04, 9E-04)*
BARIUM	8E-06	*(6E-06, 9E-06)*	1E-04	*(6E-05, 3E-04)*	4E-04	*(1E-04, 8E-04)*	*	*
BERYLLIUM	8E-07	*(6E-07, 9E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
CADMIUM	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*	2E-02	*(2E-02, 2E-02)*
CHROMIUM (III)	3E-07	*(2E-07, 3E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*	*	*
CHROMIUM (VI)	2E-06	*(1E-06, 2E-06)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(3E-05, 3E-05)*
COBALT	3E-06	*(2E-06, 3E-06)*	1E-05	*(1E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*
MANGANESE	4E-07	*(3E-07, 6E-07)*	3E-06	*(2E-06, 4E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(7E-06, 8E-06)*
MERCURY (DIVALENT)	1E-03	*(9E-04, 2E-03)*	5E-03	*(4E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	5E-02	*
MERCURY (METHYL)	8E-02	*(4E-02, 1E-01)*	2E-01	*	*	*	*	*
NICKEL	4E-06	*(3E-06, 6E-06)*	4E-05	*(2E-05, 6E-05)*	9E-05	*(4E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
SELENIUM	9E-04	*(5E-04, 1E-03)*	3E-02	*(1E-02, 4E-02)*	6E-02	*(4E-02, 6E-02)*	2E-01	*(2E-01, 2E-01)*
SILVER	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(5E-04, 9E-04)*	2E-02	*(2E-02, 2E-02)*
THALLIUM	1E-03	*(9E-04, 2E-03)*	3E-02	*(1E-02, 6E-02)*	9E-02	*(3E-02, 1E-01)*	4E-01	*(9E-02, 5E-01)*
Hazard Index	1E-01	*(6E-02, 2E-01)*	5E-01	*(3E-01, 6E-01)*	6E-01	*(3E-01, 7E-01)*	7E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-02	*(2E-02, 4E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	7E-01	*(7E-01, 7E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B130. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	*	*	*	*
ARSENIC	1E-10	*(1E-10, 3E-10)*	5E-09	*(3E-09, 6E-09)*	7E-09	*(6E-09, 9E-09)*	*	*
Additive Risk	3E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(3E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*	1E-09	*(1E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	2E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 7E-09)*	1E-08	*(9E-09, 1E-08)*
BERYLLIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	7E-10	*(5E-10, 9E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 4E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*
NICKEL	6E-11	*(5E-11, 8E-11)*	7E-10	*(2E-10, 2E-09)*	2E-09	*(7E-10, 2E-09)*	7E-09	*(6E-09, 7E-09)*
Additive Risk	2E-09	*(2E-09, 2E-09)*	7E-09	*(5E-09, 1E-08)*	1E-08	*(7E-09, 1E-08)*	9E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(4E-07, 1E-06)*	5E-05	*	*	*	*	*
ARSENIC	4E-06	*(3E-06, 7E-06)*	1E-04	*(7E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*
BARIUM	9E-07	*(7E-07, 1E-06)*	4E-05	*(8E-06, 8E-05)*	9E-05	*	*	*
BERYLLIUM	9E-07	*(6E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
CADMIUM	9E-05	*(7E-05, 2E-04)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*	6E-03	*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	*	*
CHROMIUM (VI)	5E-08	*(2E-08, 1E-07)*	5E-07	*	*	*	*	*
COBALT	2E-08	*(2E-08, 3E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*	3E-07	*(3E-07, 3E-07)*
MANGANESE	3E-08	*(2E-08, 4E-08)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-04	*(9E-05, 2E-04)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	1E-02	*
MERCURY (METHYL)	5E-02	*(2E-02, 1E-01)*	4E-01	*(4E-01, 4E-01)*	5E-01	*(4E-01, 6E-01)*	*	*
NICKEL	1E-07	*(1E-07, 2E-07)*	5E-06	*(1E-06, 6E-06)*	9E-06	*(6E-06, 1E-05)*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	4E-09	*(2E-09, 3E-08)*	3E-06	*(8E-08, 5E-06)*	8E-06	*(5E-06, 8E-06)*	*	*
THALLIUM	2E-04	*(1E-04, 4E-04)*	7E-03	*(4E-03, 1E-02)*	2E-02	*(6E-03, 3E-02)*	*	*
Hazard Index	9E-02	*(2E-02, 1E-01)*	5E-01	*(4E-01, 5E-01)*	8E-01	*(5E-01, 9E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(5E-03, 2E-02)*	7E-02	*(6E-02, 8E-02)*	9E-02	*(8E-02, 1E-01)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B131. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-07	*(4E-07, 8E-07)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*	**1E-05**	*(1E-05, 1E-05)*
ARSENIC	5E-10	*(4E-10, 8E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	6E-07	*(4E-07, 8E-07)*	4E-06	*(3E-06, 4E-06)*	6E-06	*(5E-06, 6E-06)*	**2E-05**	*(2E-05, 2E-05)*
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(3E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	9E-10	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	4E-09	*(4E-09, 4E-09)*	8E-08	*(8E-08, 8E-08)*
CHROMIUM (VI)	4E-10	*(2E-10, 5E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 9E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 3E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(5E-06, 2E-05)*	5E-04	*(1E-04, 7E-04)*	7E-04	*(3E-04, 8E-04)*	9E-04	*
ARSENIC	9E-06	*(8E-06, 1E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(4E-04, 6E-04)*
BARIUM	4E-06	*(2E-06, 5E-06)*	7E-05	*(3E-05, 1E-04)*	2E-04	*(7E-05, 3E-04)*	5E-04	*
BERYLLIUM	3E-07	*(2E-07, 5E-07)*	5E-06	*(2E-06, 7E-06)*	7E-06	*(5E-06, 9E-06)*	1E-05	*
CADMIUM	3E-04	*(2E-04, 4E-04)*	2E-03	*(2E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*	*	*
CHROMIUM (III)	1E-07	*(1E-07, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	7E-06	*(7E-06, 8E-06)*
CHROMIUM (VI)	9E-07	*(7E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*	1E-05	*	*	*
COBALT	1E-06	*(1E-06, 2E-06)*	9E-06	*(9E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	2E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	9E-04	*(6E-04, 1E-03)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(3E-03, 7E-03)*	2E-02	*
MERCURY (METHYL)	6E-02	*(3E-02, 8E-02)*	2E-01	*	*	*	*	*
NICKEL	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 8E-05)*	*	*
SELENIUM	6E-04	*(3E-04, 1E-03)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(3E-02, 5E-02)*	1E-01	*(1E-01, 1E-01)*
SILVER	2E-05	*(1E-05, 2E-05)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(3E-04, 4E-04)*	*	*
THALLIUM	9E-04	*(6E-04, 1E-03)*	2E-02	*(9E-03, 4E-02)*	6E-02	*(2E-02, 9E-02)*	3E-01	*(7E-02, 4E-01)*
Hazard Index	1E-01	*(5E-02, 1E-01)*	3E-01	*(2E-01, 4E-01)*	4E-01	*(3E-01, 4E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-02	*(1E-02, 3E-02)*	1E-01	*(9E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	6E-01	*(6E-01, 6E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B132. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(1E-07, 6E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*	*	*
ARSENIC	1E-10	*(9E-11, 2E-10)*	5E-09	*(2E-09, 5E-09)*	7E-09	*(5E-09, 9E-09)*	*	*
Additive Risk	4E-07	*(1E-07, 7E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-10	*(3E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 5E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	8E-10	*(6E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 4E-09)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	3E-10	*(1E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 9E-11)*	8E-10	*(2E-10, 2E-09)*	2E-09	*(8E-10, 2E-09)*	8E-09	*(7E-09, 8E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	8E-09	*(6E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(1E-07, 5E-07)*	3E-05	*	*	*	*	*
ARSENIC	2E-06	*(2E-06, 4E-06)*	9E-05	*(4E-05, 9E-05)*	1E-04	*(9E-05, 2E-04)*	*	*
BARIUM	3E-07	*(2E-07, 4E-07)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(6E-06, 5E-05)*	*	*
BERYLLIUM	4E-07	*(3E-07, 6E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 1E-05)*	*	*
CADMIUM	8E-05	*(6E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 3E-03)*	*	*
CHROMIUM (III)	6E-09	*(4E-09, 8E-09)*	5E-08	*(4E-08, 6E-08)*	9E-08	*(7E-08, 9E-08)*	3E-07	*(3E-07, 3E-07)*
CHROMIUM (VI)	4E-08	*(9E-09, 9E-08)*	3E-07	*	*	*	*	*
COBALT	6E-09	*(5E-09, 7E-09)*	4E-08	*(4E-08, 5E-08)*	6E-08	*(5E-08, 6E-08)*	9E-08	*(8E-08, 9E-08)*
MANGANESE	9E-09	*(7E-09, 1E-08)*	3E-07	*	*	*	*	*
MERCURY (DIVALENT)	5E-05	*(2E-05, 8E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	3E-03	*
MERCURY (METHYL)	5E-02	*(2E-02, 1E-01)*	4E-01	*(4E-01, 4E-01)*	5E-01	*(4E-01, 6E-01)*	*	*
NICKEL	9E-08	*(6E-08, 1E-07)*	2E-06	*(6E-07, 3E-06)*	6E-06	*	*	*
SELENIUM	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 1E-02)*	4E-02	*(1E-02, 7E-02)*	*	*
SILVER	2E-09	*(9E-10, 2E-08)*	2E-06	*(6E-08, 3E-06)*	4E-06	*(3E-06, 4E-06)*	*	*
THALLIUM	1E-04	*(9E-05, 3E-04)*	7E-03	*(3E-03, 1E-02)*	2E-02	*(6E-03, 2E-02)*	*	*
Hazard Index	9E-02	*(2E-02, 1E-01)*	5E-01	*(4E-01, 5E-01)*	8E-01	*(5E-01, 9E-01)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(5E-03, 2E-02)*	7E-02	*(6E-02, 7E-02)*	8E-02	*(7E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B133. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(2E-07, 4E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	8E-06	*(8E-06, 8E-06)*
ARSENIC	3E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 5E-09)*	6E-09	*(5E-09, 8E-09)*	*	*
Additive Risk	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*	8E-06	*(8E-06, 8E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 3E-10)*	8E-10	*(7E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	9E-09	*(9E-09, 9E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 4E-09)*	5E-09	*(2E-09, 5E-09)*	8E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	9E-10	*(9E-10, 9E-10)*
CADMIUM	6E-10	*(4E-10, 7E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 3E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	7E-08	*(7E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(2E-06, 1E-05)*	3E-04	*(6E-05, 4E-04)*	4E-04	*(1E-04, 5E-04)*	5E-04	*(5E-04, 6E-04)*
ARSENIC	5E-06	*(4E-06, 8E-06)*	7E-05	*(5E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
BARIUM	2E-06	*(1E-06, 2E-06)*	3E-05	*(1E-05, 8E-05)*	9E-05	*(3E-05, 1E-04)*	*	*
BERYLLIUM	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 6E-06)*	7E-06	*
CADMIUM	1E-04	*(1E-04, 2E-04)*	1E-03	*(9E-04, 1E-03)*	1E-03	*(1E-03, 1E-03)*	7E-03	*(7E-03, 7E-03)*
CHROMIUM (III)	7E-08	*(6E-08, 9E-08)*	6E-07	*(5E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*	3E-06	*(3E-06, 3E-06)*
CHROMIUM (VI)	5E-07	*(3E-07, 7E-07)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*	*	*
COBALT	8E-07	*(6E-07, 9E-07)*	5E-06	*(4E-06, 5E-06)*	6E-06	*(5E-06, 7E-06)*	*	*
MANGANESE	1E-07	*(9E-08, 1E-07)*	9E-07	*(8E-07, 1E-06)*	1E-06	*	*	*
MERCURY (DIVALENT)	5E-04	*(3E-04, 6E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(1E-03, 4E-03)*	*	*
MERCURY (METHYL)	3E-02	*(2E-02, 5E-02)*	9E-02	*	*	*	*	*
NICKEL	1E-06	*(9E-07, 1E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(1E-05, 4E-05)*	9E-05	*(8E-05, 9E-05)*
SELENIUM	3E-04	*(2E-04, 6E-04)*	9E-03	*(6E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	7E-02	*(7E-02, 7E-02)*
SILVER	8E-06	*(6E-06, 1E-05)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-03	*(4E-03, 4E-03)*
THALLIUM	5E-04	*(3E-04, 7E-04)*	9E-03	*(5E-03, 2E-02)*	3E-02	*(9E-03, 5E-02)*	1E-01	*
Hazard Index	5E-02	*(3E-02, 7E-02)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-03	*(5E-03, 9E-03)*	5E-02	*(4E-02, 6E-02)*	8E-02	*(7E-02, 9E-02)*	2E-01	*(2E-01, 2E-01)*
TCDD-TEQ	1E-02	*(7E-03, 1E-02)*	6E-02	*(5E-02, 8E-02)*	1E-01	*(1E-01, 1E-01)*	3E-01	*(3E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B134. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	*	*	*	*
ARSENIC	9E-11	*(8E-11, 1E-10)*	3E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	2E-08	*(8E-09, 2E-08)*
Additive Risk	3E-07	*(1E-07, 5E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	8E-10	*(7E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	8E-09	*(8E-09, 8E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	8E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	3E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	8E-10	*(8E-10, 8E-10)*
CADMIUM	5E-10	*(4E-10, 7E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	4E-08	*(4E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 3E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(1E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	1E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(5E-09, 1E-08)*	6E-08	*(6E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 2E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 2E-06)*	6E-05	*(3E-05, 6E-05)*	8E-05	*(6E-05, 9E-05)*	*	*
BARIUM	1E-07	*(1E-07, 2E-07)*	9E-06	*(1E-06, 2E-05)*	2E-05	*(3E-06, 2E-05)*	*	*
BERYLLIUM	2E-07	*(1E-07, 3E-07)*	5E-06	*(1E-06, 8E-06)*	8E-06	*	*	*
CADMIUM	5E-05	*(4E-05, 1E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 2E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	3E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	9E-09	*(7E-09, 1E-08)*	3E-07	*	*	*	*	*
MANGANESE	6E-09	*(4E-09, 9E-09)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-05	*(1E-05, 4E-05)*	1E-04	*(8E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
MERCURY (METHYL)	4E-02	*(1E-02, 9E-02)*	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 4E-01)*	*	*
NICKEL	6E-08	*(4E-08, 8E-08)*	1E-06	*(4E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*	*	*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	9E-10	*(5E-10, 8E-09)*	1E-06	*(4E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-03	*(2E-03, 1E-02)*	1E-02	*(4E-03, 2E-02)*	*	*
Hazard Index	6E-02	*(1E-02, 1E-01)*	3E-01	*(3E-01, 4E-01)*	6E-01	*(4E-01, 8E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(8E-06, 2E-05)*	3E-04	*(9E-05, 5E-04)*	5E-04	*(3E-04, 9E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	6E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-03	*(3E-03, 1E-02)*	4E-02	*(3E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*	*	*
TCDD-TEQ	9E-03	*(3E-03, 2E-02)*	5E-02	*(4E-02, 5E-02)*	9E-02	*(5E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B135. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(2E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	7E-06	*(7E-06, 7E-06)*
ARSENIC	6E-10	*(4E-10, 8E-10)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
Additive Risk	4E-07	*(3E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*
Cancer - Inhalation								
TCDD-TEQ	4E-10	*(3E-10, 5E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	1E-08	*(1E-08, 1E-08)*
ARSENIC	3E-10	*(2E-10, 5E-10)*	3E-09	*(1E-09, 6E-09)*	7E-09	*(3E-09, 8E-09)*	1E-08	*(1E-08, 1E-08)*
BERYLLIUM	4E-11	*(3E-11, 5E-11)*	4E-10	*(3E-10, 4E-10)*	5E-10	*(4E-10, 6E-10)*	1E-09	*(1E-09, 1E-09)*
CADMIUM	8E-10	*(7E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	4E-09	*(4E-09, 4E-09)*	7E-08	*(7E-08, 7E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*
NICKEL	7E-11	*(6E-11, 8E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	8E-09	*(6E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(2E-06, 1E-05)*	2E-04	*(4E-05, 4E-04)*	5E-04	*(1E-04, 5E-04)*	*	*
ARSENIC	5E-06	*(4E-06, 8E-06)*	8E-05	*(5E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
BARIUM	9E-07	*(7E-07, 1E-06)*	2E-05	*(7E-06, 5E-05)*	6E-05	*(2E-05, 9E-05)*	1E-04	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	2E-06	*(9E-07, 3E-06)*	4E-06	*(2E-06, 5E-06)*	7E-06	*
CADMIUM	2E-04	*(1E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	4E-08	*(3E-08, 5E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(6E-07, 7E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
COBALT	5E-07	*(4E-07, 7E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(7E-06, 7E-06)*
MANGANESE	8E-08	*(6E-08, 9E-08)*	8E-07	*(5E-07, 9E-07)*	9E-07	*(7E-07, 1E-06)*	*	*
MERCURY (DIVALENT)	3E-04	*(2E-04, 4E-04)*	9E-04	*(8E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	*	*
MERCURY (METHYL)	3E-02	*(2E-02, 6E-02)*	1E-01	*	*	*	*	*
NICKEL	7E-07	*(5E-07, 9E-07)*	7E-06	*(5E-06, 9E-06)*	1E-05	*(8E-06, 2E-05)*	6E-05	*(5E-05, 6E-05)*
SELENIUM	4E-04	*(2E-04, 7E-04)*	9E-03	*(7E-03, 1E-02)*	2E-02	*(2E-02, 2E-02)*	8E-02	*(8E-02, 8E-02)*
SILVER	3E-06	*(2E-06, 5E-06)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(7E-05, 9E-05)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	4E-04	*(3E-04, 7E-04)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(9E-03, 4E-02)*	1E-01	*
Hazard Index	6E-02	*(3E-02, 8E-02)*	2E-01	*(1E-01, 3E-01)*	3E-01	*(1E-01, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(1E-04, 5E-04)*	5E-04	*(3E-04, 8E-04)*	1E-03	*
CHLORINE (CL2)	4E-04	*(2E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*
HYDROGEN CHLORIDE (HCL)	1E-03	*(8E-04, 1E-03)*	3E-03	*(3E-03, 4E-03)*	4E-03	*(4E-03, 4E-03)*	6E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 2E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 1E-05)*	4E-05	*(3E-05, 5E-05)*	6E-05	*(5E-05, 6E-05)*	7E-05	*
Hazard Index	2E-03	*(1E-03, 2E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-03	*(4E-03, 8E-03)*	4E-02	*(3E-02, 5E-02)*	7E-02	*(6E-02, 8E-02)*	1E-01	*(1E-01, 1E-01)*
TCDD-TEQ	7E-03	*(5E-03, 9E-03)*	4E-02	*(3E-02, 6E-02)*	8E-02	*(7E-02, 8E-02)*	2E-01	*(2E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B136. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Cement Kilns

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-07	*(2E-07, 9E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 2E-10)*	6E-09	*(3E-09, 7E-09)*	8E-09	*(7E-09, 1E-08)*	*	*
Additive Risk	5E-07	*(2E-07, 9E-07)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(3E-06, 5E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	8E-10	*(7E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	8E-09	*(7E-09, 8E-09)*
ARSENIC	2E-10	*(1E-10, 3E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*(7E-09, 8E-09)*
BERYLLIUM	2E-11	*(2E-11, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 4E-10)*	8E-10	*(8E-10, 8E-10)*
CADMIUM	5E-10	*(4E-10, 6E-10)*	2E-09	*(2E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	4E-08	*(4E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 3E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 1E-09)*	2E-09	*
NICKEL	5E-11	*(4E-11, 6E-11)*	5E-10	*(1E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	5E-09	*(5E-09, 5E-09)*
Additive Risk	1E-09	*(1E-09, 2E-09)*	5E-09	*(4E-09, 8E-09)*	9E-09	*(5E-09, 1E-08)*	6E-08	*(6E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(9E-08, 2E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 2E-06)*	6E-05	*(3E-05, 7E-05)*	8E-05	*(7E-05, 9E-05)*	*	*
BARIUM	8E-08	*(5E-08, 1E-07)*	4E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	*	*
BERYLLIUM	1E-07	*(9E-08, 2E-07)*	5E-06	*(1E-06, 7E-06)*	8E-06	*(2E-06, 9E-06)*	*	*
CADMIUM	5E-05	*(4E-05, 1E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 1E-09)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	8E-08	*(8E-08, 8E-08)*
CHROMIUM (VI)	2E-08	*(6E-09, 8E-08)*	2E-07	*	*	*	*	*
COBALT	6E-09	*(4E-09, 9E-09)*	4E-07	*	*	*	*	*
MANGANESE	4E-09	*(2E-09, 6E-09)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-05	*(5E-06, 1E-05)*	6E-05	*(4E-05, 8E-05)*	9E-05	*(6E-05, 1E-04)*	6E-04	*(1E-04, 8E-04)*
MERCURY (METHYL)	4E-02	*(1E-02, 9E-02)*	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 4E-01)*	*	*
NICKEL	5E-08	*(3E-08, 8E-08)*	1E-06	*(4E-07, 2E-06)*	*	*	*	*
SELENIUM	1E-04	*(1E-04, 2E-04)*	2E-03	*(2E-03, 6E-03)*	3E-02	*(7E-03, 4E-02)*	*	*
SILVER	9E-10	*(4E-10, 8E-09)*	1E-06	*(4E-08, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-03	*(2E-03, 1E-02)*	1E-02	*(4E-03, 2E-02)*	*	*
Hazard Index	6E-02	*(1E-02, 1E-01)*	3E-01	*(3E-01, 4E-01)*	6E-01	*(4E-01, 8E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(5E-06, 1E-05)*	2E-04	*(6E-05, 4E-04)*	4E-04	*(2E-04, 6E-04)*	7E-04	*
CHLORINE (CL2)	3E-04	*(1E-04, 3E-04)*	3E-03	*(2E-03, 4E-03)*	4E-03	*(3E-03, 6E-03)*	8E-03	*
HYDROGEN CHLORIDE (HCL)	7E-04	*(6E-04, 9E-04)*	2E-03	*(2E-03, 3E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	2E-05	*(2E-05, 3E-05)*	1E-04	*(8E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	7E-04	*(7E-04, 7E-04)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 7E-06)*	3E-05	*(2E-05, 3E-05)*	4E-05	*(3E-05, 4E-05)*	5E-05	*
Hazard Index	1E-03	*(1E-03, 1E-03)*	5E-03	*(3E-03, 6E-03)*	7E-03	*(5E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-03	*(3E-03, 1E-02)*	5E-02	*(4E-02, 5E-02)*	6E-02	*(5E-02, 7E-02)*	*	*
TCDD-TEQ	9E-03	*(3E-03, 2E-02)*	5E-02	*(4E-02, 5E-02)*	8E-02	*(5E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B137. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(6E-08, 1E-06)*	**1E-05**	*(7E-06, 2E-05)*	*	*	*	*
ARSENIC	6E-10	*(1E-10, 2E-09)*	*	*	*	*	*	*
Additive Risk	2E-07	*(6E-08, 1E-06)*	**1E-05**	*(7E-06, 2E-05)*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 1E-09)*	1E-08	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 1E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 8E-09)*	6E-08	*(3E-08, 8E-08)*	1E-07	*(7E-08, 1E-07)*	*	*
CHROMIUM (VI)	9E-10	*(8E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	7E-11	*(6E-11, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(7E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 1E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	5E-05	*(4E-05, 5E-05)*	*	*	*	*	*	*
ARSENIC	1E-05	*(4E-06, 5E-05)*	*	*	*	*	*	*
BARIUM	3E-06	*(3E-06, 4E-06)*	3E-05	*	*	*	*	*
BERYLLIUM	9E-07	*(5E-07, 1E-06)*	7E-06	*	*	*	*	*
CADMIUM	8E-05	*(2E-05, 8E-04)*	1E-02	*	*	*	*	*
CHROMIUM (III)	3E-07	*(8E-08, 5E-07)*	*	*	*	*	*	*
CHROMIUM (VI)	2E-06	*(2E-06, 3E-06)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 3E-05)*	*	*
COBALT	3E-06	*(3E-06, 3E-06)*	3E-05	*	*	*	*	*
MANGANESE	2E-07	*(6E-08, 8E-07)*	4E-06	*(1E-06, 7E-06)*	8E-06	*(6E-06, 8E-06)*	*	*
MERCURY (DIVALENT)	3E-03	*(2E-03, 6E-03)*	5E-02	*(2E-02, 6E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	1E-05	*(4E-06, 2E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(2E-04, 3E-04)*	2E-03	*	*	*	*	*
SILVER	3E-04	*(9E-05, 6E-04)*	1E-02	*	*	*	*	*
THALLIUM	6E-04	*(5E-04, 9E-04)*	*	*	*	*	*	*
Hazard Index	2E-01	*(2E-01, 2E-01)*	3E-01	*(3E-01, 3E-01)*	3E-01	*(3E-01, 3E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-03	*(3E-03, 9E-02)*	7E-01	*(3E-01, 9E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B138. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*	*	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(3E-11, 7E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
BERYLLIUM	3E-11	*(2E-11, 8E-11)*	9E-10	*(3E-10, 1E-09)*	2E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	5E-11	*(4E-11, 4E-09)*	5E-08	*(2E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	*	*
NICKEL	7E-11	*(6E-11, 5E-10)*	5E-09	*(2E-09, 8E-09)*	1E-08	*(5E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 6E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*	*	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 1E-05)*	7E-05	*(4E-05, 7E-05)*	8E-05	*(7E-05, 8E-05)*	*	*
BARIUM	5E-07	*(4E-07, 7E-07)*	3E-06	*	*	*	*	*
BERYLLIUM	9E-07	*(5E-07, 1E-06)*	4E-06	*	*	*	*	*
CADMIUM	2E-05	*(1E-05, 4E-04)*	*	*	*	*	*	*
CHROMIUM (III)	2E-08	*(8E-09, 4E-08)*	4E-07	*	*	*	*	*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	3E-07	*	*	*	*	*
COBALT	2E-08	*(2E-08, 2E-08)*	2E-07	*	*	*	*	*
MANGANESE	7E-09	*(2E-09, 1E-07)*	7E-07	*(5E-07, 8E-07)*	9E-07	*	*	*
MERCURY (DIVALENT)	7E-04	*(5E-04, 9E-04)*	8E-03	*	*	*	*	*
MERCURY (METHYL)	3E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	9E-08	*	*	*	*	*	*	*
SELENIUM	9E-05	*(9E-05, 1E-04)*	*	*	*	*	*	*
SILVER	2E-09	*	*	*	*	*	*	*
THALLIUM	1E-04	*(6E-05, 2E-04)*	5E-04	*(4E-04, 6E-04)*	6E-04	*(5E-04, 6E-04)*	*	*
Hazard Index	4E-01	*(4E-01, 4E-01)*	**1**	*(1 , 1)*	**1**	*(1 , 1)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(8E-04, 7E-03)*	4E-02	*(2E-02, 5E-02)*	5E-02	*(4E-02, 5E-02)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B139. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(5E-08, 1E-06)*	**1E-05**	*(6E-06, 2E-05)*	*	*	*	*
ARSENIC	5E-10	*(1E-10, 1E-09)*	6E-09	*	*	*	*	*
Additive Risk	1E-07	*(5E-08, 1E-06)*	**1E-05**	*(6E-06, 2E-05)*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 2E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	*	*
BERYLLIUM	4E-11	*(3E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	7E-11	*(5E-11, 9E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(8E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*	*	*
NICKEL	9E-11	*(7E-11, 1E-09)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 1E-08)*	1E-07	*(4E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(3E-05, 3E-05)*	*	*	*	*	*	*
ARSENIC	9E-06	*(2E-06, 3E-05)*	*	*	*	*	*	*
BARIUM	1E-06	*(1E-06, 2E-06)*	*	*	*	*	*	*
BERYLLIUM	6E-07	*(2E-07, 8E-07)*	3E-06	*(1E-06, 6E-06)*	7E-06	*(5E-06, 7E-06)*	*	*
CADMIUM	6E-05	*(9E-06, 8E-04)*	*	*	*	*	*	*
CHROMIUM (III)	1E-07	*(5E-08, 3E-07)*	5E-06	*	*	*	*	*
CHROMIUM (VI)	1E-06	*(9E-07, 2E-06)*	8E-06	*(5E-06, 1E-05)*	*	*	*	*
COBALT	2E-06	*(1E-06, 2E-06)*	1E-05	*	*	*	*	*
MANGANESE	1E-07	*(3E-08, 4E-07)*	2E-06	*	*	*	*	*
MERCURY (DIVALENT)	2E-03	*(1E-03, 3E-03)*	2E-02	*(9E-03, 3E-02)*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	8E-06	*(2E-06, 1E-05)*	*	*	*	*	*	*
SELENIUM	2E-04	*(1E-04, 2E-04)*	2E-03	*	*	*	*	*
SILVER	1E-04	*(4E-05, 4E-04)*	*	*	*	*	*	*
THALLIUM	4E-04	*(3E-04, 6E-04)*	4E-03	*	*	*	*	*
Hazard Index	1E-01	*(1E-01, 1E-01)*	2E-01	*(1E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-03	*(2E-03, 5E-02)*	5E-01	*(2E-01, 7E-01)*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B140. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	8E-11	*(5E-11, 3E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 2E-09)*	*	*
Additive Risk	3E-08	*(2E-08, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 9E-10)*	1E-08	*(4E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	1E-10	*(1E-10, 6E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 9E-11)*	1E-09	*(4E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 5E-09)*	6E-08	*(2E-08, 9E-08)*	1E-07	*(6E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(1E-09, 1E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	8E-11	*(7E-11, 5E-10)*	6E-09	*(2E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(2E-09, 7E-09)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(8E-08, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 7E-06)*	3E-05	*(2E-05, 4E-05)*	4E-05	*(3E-05, 4E-05)*	*	*
BARIUM	2E-07	*(8E-08, 3E-07)*	8E-07	*(7E-07, 1E-06)*	2E-06	*(8E-07, 2E-06)*	*	*
BERYLLIUM	5E-07	*(3E-07, 8E-07)*	2E-06	*	*	*	*	*
CADMIUM	2E-05	*(1E-05, 3E-04)*	*	*	*	*	*	*
CHROMIUM (III)	6E-09	*(2E-09, 9E-09)*	1E-07	*	*	*	*	*
CHROMIUM (VI)	7E-08	*	*	*	*	*	*	*
COBALT	6E-09	*(5E-09, 6E-09)*	4E-08	*	*	*	*	*
MANGANESE	2E-09	*	*	*	*	*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 3E-04)*	2E-03	*	*	*	*	*
MERCURY (METHYL)	3E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	6E-08	*(4E-08, 1E-06)*	8E-06	*	*	*	*	*
SELENIUM	8E-05	*(8E-05, 9E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	1E-04	*(5E-05, 2E-04)*	*	*	*	*	*	*
Hazard Index	4E-01	*(4E-01, 4E-01)*	**1**	*(1 , 1)*	**1**	*(1 , 1)*	**1**	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 7E-03)*	*	*	*	*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B141. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(2E-08, 7E-07)*	6E-06	*	*	*	*	*
ARSENIC	3E-10	*(8E-11, 9E-10)*	3E-09	*	*	*	*	*
Additive Risk	7E-08	*(2E-08, 7E-07)*	6E-06	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	*	*
ARSENIC	1E-10	*(8E-11, 7E-10)*	5E-09	*(2E-09, 7E-09)*	9E-09	*(6E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 1E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 6E-09)*	4E-08	*(2E-08, 6E-08)*	7E-08	*(5E-08, 9E-08)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	6E-11	*(4E-11, 6E-10)*	5E-09	*(2E-09, 7E-09)*	8E-09	*(5E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 9E-09)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(7E-08, 1E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(1E-05, 2E-05)*	4E-05	*(4E-05, 4E-05)*	5E-05	*(4E-05, 5E-05)*	*	*
ARSENIC	5E-06	*(1E-06, 2E-05)*	6E-05	*	*	*	*	*
BARIUM	8E-07	*(6E-07, 9E-07)*	*	*	*	*	*	*
BERYLLIUM	3E-07	*(8E-08, 4E-07)*	2E-06	*	*	*	*	*
CADMIUM	3E-05	*(7E-06, 5E-04)*	5E-03	*	*	*	*	*
CHROMIUM (III)	8E-08	*(2E-08, 1E-07)*	2E-06	*	*	*	*	*
CHROMIUM (VI)	6E-07	*(5E-07, 8E-07)*	6E-06	*(2E-06, 7E-06)*	*	*	*	*
COBALT	9E-07	*(9E-07, 1E-06)*	*	*	*	*	*	*
MANGANESE	7E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
MERCURY (DIVALENT)	1E-03	*(7E-04, 1E-03)*	*	*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	4E-06	*(9E-07, 8E-06)*	5E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 9E-05)*	*	*	*	*	*	*
SILVER	8E-05	*(2E-05, 2E-04)*	3E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	2E-03	*	*	*	*	*
Hazard Index	8E-02	*(8E-02, 8E-02)*	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 1E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(7E-04, 1E-02)*	1E-01	*(8E-02, 2E-01)*	*	*	*	*
TCDD-TEQ	3E-03	*(9E-04, 2E-02)*	2E-01	*(9E-02, 3E-01)*	4E-01	*(3E-01, 5E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B142. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(1E-08, 2E-07)*	*	*	*	*	*	*
ARSENIC	6E-11	*(3E-11, 2E-10)*	*	*	*	*	*	*
Additive Risk	4E-08	*(2E-08, 2E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 6E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	*	*
ARSENIC	1E-10	*(8E-11, 4E-10)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(4E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 6E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 3E-09)*	4E-08	*(1E-08, 6E-08)*	7E-08	*(4E-08, 8E-08)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 5E-09)*	5E-08	*(2E-08, 8E-08)*	1E-07	*(5E-08, 1E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*	*	*	*	*	*	*
ARSENIC	1E-06	*(7E-07, 1E-05)*	*	*	*	*	*	*
BARIUM	1E-07	*(7E-08, 2E-07)*	4E-07	*	*	*	*	*
BERYLLIUM	3E-07	*(2E-07, 5E-07)*	1E-06	*	*	*	*	*
CADMIUM	1E-05	*(5E-06, 3E-04)*	*	*	*	*	*	*
CHROMIUM (III)	3E-09	*(9E-10, 6E-09)*	6E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	8E-09	*	*	*	*	*	*	*
MANGANESE	6E-10	*(3E-10, 3E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	9E-05	*(8E-05, 1E-04)*	*	*	*	*	*	*
MERCURY (METHYL)	2E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	4E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	4E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
Hazard Index	3E-01	*(3E-01, 3E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(6E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
CHLORINE (CL2)	7E-05	*(6E-05, 8E-05)*	1E-04	*(1E-04, 1E-04)*	1E-04	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 3E-05)*	2E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 7E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 2E-04)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(4E-04, 4E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 1E-02)*	4E-02	*(2E-02, 4E-02)*	4E-02	*(4E-02, 4E-02)*	4E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B143. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(3E-08, 8E-07)*	7E-06	*(3E-06, 9E-06)*	*	*	*	*
ARSENIC	5E-10	*(1E-10, 2E-09)*	*	*	*	*	*	*
Additive Risk	1E-07	*(3E-08, 8E-07)*	7E-06	*(3E-06, 9E-06)*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(3E-11, 2E-09)*	1E-08	*(5E-09, 2E-08)*	2E-08	*(1E-08, 2E-08)*	*	*
ARSENIC	2E-10	*(1E-10, 1E-09)*	8E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	*	*
BERYLLIUM	3E-11	*(3E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
CADMIUM	6E-11	*(5E-11, 9E-09)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(7E-08, 1E-07)*	*	*
CHROMIUM (VI)	1E-09	*(9E-10, 1E-09)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	*	*
NICKEL	8E-11	*(6E-11, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(8E-09, 1E-08)*	*	*
Additive Risk	2E-09	*(1E-09, 1E-08)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(9E-06, 1E-05)*	*	*	*	*	*	*
ARSENIC	5E-06	*(1E-06, 2E-05)*	6E-05	*	*	*	*	*
BARIUM	4E-07	*(4E-07, 5E-07)*	3E-06	*(2E-06, 6E-06)*	7E-06	*(5E-06, 7E-06)*	*	*
BERYLLIUM	3E-07	*(8E-08, 4E-07)*	*	*	*	*	*	*
CADMIUM	3E-05	*(8E-06, 6E-04)*	*	*	*	*	*	*
CHROMIUM (III)	5E-08	*(1E-08, 7E-08)*	1E-06	*	*	*	*	*
CHROMIUM (VI)	3E-07	*(3E-07, 4E-07)*	3E-06	*(1E-06, 4E-06)*	*	*	*	*
COBALT	7E-07	*(5E-07, 8E-07)*	4E-06	*(3E-06, 7E-06)*	*	*	*	*
MANGANESE	5E-08	*(8E-09, 2E-07)*	7E-07	*	*	*	*	*
MERCURY (DIVALENT)	7E-04	*(4E-04, 9E-04)*	*	*	*	*	*	*
MERCURY (METHYL)	*	*	*	*	*	*	*	*
NICKEL	2E-06	*(6E-07, 8E-06)*	3E-05	*	*	*	*	*
SELENIUM	9E-05	*(7E-05, 1E-04)*	*	*	*	*	*	*
SILVER	3E-05	*(9E-06, 9E-05)*	1E-03	*	*	*	*	*
THALLIUM	2E-04	*(1E-04, 3E-04)*	*	*	*	*	*	*
Hazard Index	9E-02	*(9E-02, 9E-02)*	1E-01	*(1E-01, 1E-01)*	1E-01	*(1E-01, 1E-01)*	*	*
Non-Cancer - Inhalation								
BARIUM	8E-06	*(6E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	*	*
CHLORINE (CL2)	6E-05	*(5E-05, 7E-05)*	1E-04	*(9E-05, 1E-04)*	1E-04	*(1E-04, 1E-04)*	*	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 3E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	*	*
MANGANESE	8E-06	*(7E-06, 1E-04)*	1E-03	*(5E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*	2E-05	*(2E-05, 2E-05)*	*	*
Hazard Index	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(5E-04, 1E-02)*	1E-01	*(5E-02, 2E-01)*	*	*	*	*
TCDD-TEQ	2E-03	*(6E-04, 1E-02)*	1E-01	*(6E-02, 2E-01)*	3E-01	*(2E-01, 3E-01)*	*	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B144. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Cement Kilns[a]

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(2E-08, 3E-07)*	*	*	*	*	*	*
ARSENIC	1E-10	*	*	*	*	*	*	*
Additive Risk	6E-08	*(3E-08, 3E-07)*	*	*	*	*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 5E-10)*	6E-09	*(2E-09, 1E-08)*	1E-08	*(6E-09, 1E-08)*	*	*
ARSENIC	9E-11	*(8E-11, 4E-10)*	4E-09	*(2E-09, 7E-09)*	8E-09	*(4E-09, 1E-08)*	*	*
BERYLLIUM	2E-11	*(2E-11, 6E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 1E-09)*	*	*
CADMIUM	4E-11	*(3E-11, 3E-09)*	4E-08	*(1E-08, 6E-08)*	7E-08	*(4E-08, 8E-08)*	*	*
CHROMIUM (VI)	7E-10	*(6E-10, 7E-10)*	1E-09	*(1E-09, 1E-09)*	2E-09	*(1E-09, 2E-09)*	*	*
NICKEL	5E-11	*(4E-11, 3E-10)*	4E-09	*(1E-09, 6E-09)*	7E-09	*(4E-09, 9E-09)*	*	*
Additive Risk	1E-09	*(1E-09, 4E-09)*	5E-08	*(2E-08, 8E-08)*	1E-07	*(5E-08, 1E-07)*	*	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*	*	*	*	*	*	*
ARSENIC	9E-07	*	*	*	*	*	*	*
BARIUM	5E-08	*(2E-08, 1E-07)*	3E-07	*	*	*	*	*
BERYLLIUM	2E-07	*(9E-08, 5E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(9E-07, 1E-06)*	*	*
CADMIUM	1E-05	*(5E-06, 2E-04)*	*	*	*	*	*	*
CHROMIUM (III)	1E-09	*(5E-10, 2E-09)*	2E-08	*	*	*	*	*
CHROMIUM (VI)	4E-08	*	*	*	*	*	*	*
COBALT	4E-09	*	*	*	*	*	*	*
MANGANESE	4E-10	*	*	*	*	*	*	*
MERCURY (DIVALENT)	5E-05	*(4E-05, 6E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*	*	*
MERCURY (METHYL)	2E-01	*(2E-01, 3E-01)*	*	*	*	*	*	*
NICKEL	3E-08	*	*	*	*	*	*	*
SELENIUM	7E-05	*(6E-05, 8E-05)*	*	*	*	*	*	*
SILVER	1E-10	*	*	*	*	*	*	*
THALLIUM	9E-05	*(4E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*	3E-04	*	*	*
Hazard Index	3E-01	*(3E-01, 3E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*(9E-01, 9E-01)*	9E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(4E-06, 7E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	*	*
CHLORINE (CL2)	5E-05	*(4E-05, 6E-05)*	8E-05	*(7E-05, 8E-05)*	8E-05	*	*	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(2E-05, 2E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*(1E-04, 3E-04)*	*	*
MANGANESE	5E-06	*(5E-06, 5E-05)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	*	*
MERCURY (ELEMENTAL)	7E-06	*(5E-06, 9E-06)*	1E-05	*(1E-05, 1E-05)*	1E-05	*	*	*
Hazard Index	1E-04	*(1E-04, 1E-04)*	8E-04	*(3E-04, 1E-03)*	2E-03	*(8E-04, 2E-03)*	*	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(4E-04, 5E-03)*	*	*	*	*	*	*
TCDD-TEQ	3E-03	*(6E-04, 1E-02)*	4E-02	*(2E-02, 4E-02)*	4E-02	*(4E-02, 4E-02)*	4E-02	*

[a] There are only two area source cement kilns in the facility population and both happened to be sampled. The confidence intervals reflect the variability that a different sample may have provided different results. However, an argument exists that the sampling variance can be ignored since the entire population domain is in the sample.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B145. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	1E-06	7E-06	9E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	1E-06	7E-06	**1E-05**	*
Cancer - Inhalation				
TCDD-TEQ	8E-10	4E-09	7E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	6E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	8E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	2E-05	3E-04	9E-04	*
ARSENIC	2E-05	2E-04	3E-04	*
BARIUM	1E-06	2E-05	4E-05	*
BERYLLIUM	4E-07	4E-06	*	*
CADMIUM	1E-04	1E-03	2E-03	*
CHROMIUM (III)	3E-07	3E-06	5E-06	*
CHROMIUM (VI)	1E-06	2E-05	4E-05	*
COBALT	1E-06	1E-05	*	*
MANGANESE	2E-07	2E-06	3E-06	*
MERCURY (DIVALENT)	6E-04	5E-03	8E-03	*
MERCURY (METHYL)	2E-02	*	*	*
NICKEL	4E-06	7E-05	3E-04	*
SELENIUM	6E-05	7E-04	9E-04	*
SILVER	2E-05	2E-04	3E-04	*
THALLIUM	2E-04	2E-03	*	*
Hazard Index	3E-02	2E-01	2E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	7E-02	3E-01	6E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B146. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	1E-07	7E-07	*	*
ARSENIC	5E-10	1E-09	2E-09	*
Additive Risk	2E-07	7E-07	9E-07	*
Cancer - Inhalation				
TCDD-TEQ	8E-10	3E-09	7E-09	*
ARSENIC	1E-09	5E-09	7E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	8E-10	4E-09	5E-09	*
CHROMIUM (VI)	6E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	8E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	8E-05	9E-05	*
ARSENIC	1E-05	5E-05	6E-05	7E-05
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	5E-07	4E-06	8E-06	*
CADMIUM	3E-05	*	*	*
CHROMIUM (III)	3E-08	3E-07	4E-07	*
CHROMIUM (VI)	1E-07	9E-07	1E-06	1E-06
COBALT	1E-08	9E-08	1E-07	*
MANGANESE	4E-08	9E-08	1E-07	*
MERCURY (DIVALENT)	8E-05	6E-04	9E-04	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	4E-07	5E-06	6E-06	*
SELENIUM	8E-06	*	*	*
SILVER	6E-08	*	*	*
THALLIUM	3E-05	2E-04	*	*
Hazard Index	8E-03	2E-01	2E-01	2E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	8E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	8E-03	*	*	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B147. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	9E-07	5E-06	9E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	1E-06	5E-06	9E-06	*
Cancer - Inhalation				
TCDD-TEQ	1E-09	4E-09	8E-09	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	5E-10	*
CADMIUM	9E-10	4E-09	7E-09	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	4E-09	9E-09	*
Additive Risk	7E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	1E-05	2E-04	6E-04	*
ARSENIC	1E-05	1E-04	2E-04	*
BARIUM	7E-07	1E-05	2E-05	*
BERYLLIUM	1E-07	2E-06	5E-06	*
CADMIUM	9E-05	1E-03	2E-03	*
CHROMIUM (III)	1E-07	1E-06	2E-06	*
CHROMIUM (VI)	9E-07	1E-05	2E-05	*
COBALT	9E-07	7E-06	*	*
MANGANESE	1E-07	9E-07	*	*
MERCURY (DIVALENT)	3E-04	3E-03	5E-03	*
MERCURY (METHYL)	1E-02	*	*	*
NICKEL	2E-06	4E-05	1E-04	*
SELENIUM	4E-05	5E-04	7E-04	*
SILVER	9E-06	1E-04	2E-04	*
THALLIUM	1E-04	1E-03	*	*
Hazard Index	2E-02	2E-01	2E-01	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	4E-02	2E-01	3E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B148. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	2E-07	*	*	*
ARSENIC	3E-10	1E-09	*	*
Additive Risk	2E-07	9E-07	1E-06	*
Cancer - Inhalation				
TCDD-TEQ	1E-09	4E-09	7E-09	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	6E-11	3E-10	4E-10	*
CADMIUM	9E-10	4E-09	6E-09	*
CHROMIUM (VI)	7E-10	6E-09	8E-09	*
NICKEL	2E-10	4E-09	9E-09	*
Additive Risk	7E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	4E-06	*	*	*
ARSENIC	7E-06	3E-05	*	*
BARIUM	8E-08	9E-07	1E-06	*
BERYLLIUM	2E-07	1E-06	2E-06	*
CADMIUM	2E-05	*	*	*
CHROMIUM (III)	8E-09	8E-08	1E-07	*
CHROMIUM (VI)	6E-08	5E-07	6E-07	7E-07
COBALT	3E-09	2E-08	*	*
MANGANESE	2E-08	4E-08	5E-08	*
MERCURY (DIVALENT)	2E-05	2E-04	2E-04	*
MERCURY (METHYL)	7E-03	*	*	*
NICKEL	2E-07	2E-06	3E-06	4E-06
SELENIUM	8E-06	*	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	2E-04	*	*
Hazard Index	7E-03	2E-01	2E-01	2E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	8E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	*	*	*	*
TCDD-TEQ	7E-03	*	*	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B149. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	5E-07	3E-06	5E-06	*
ARSENIC	5E-10	4E-09	7E-09	*
Additive Risk	5E-07	3E-06	5E-06	*
Cancer - Inhalation				
TCDD-TEQ	6E-10	3E-09	5E-09	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	6E-10	3E-09	4E-09	*
CHROMIUM (VI)	5E-10	3E-09	5E-09	*
NICKEL	9E-11	2E-09	6E-09	*
Additive Risk	4E-09	1E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	1E-04	3E-04	*
ARSENIC	9E-06	8E-05	1E-04	*
BARIUM	3E-07	6E-06	8E-06	*
BERYLLIUM	9E-08	9E-07	*	*
CADMIUM	5E-05	6E-04	8E-04	*
CHROMIUM (III)	9E-08	9E-07	1E-06	*
CHROMIUM (VI)	5E-07	6E-06	9E-06	*
COBALT	4E-07	3E-06	4E-06	*
MANGANESE	7E-08	6E-07	7E-07	*
MERCURY (DIVALENT)	1E-04	1E-03	2E-03	*
MERCURY (METHYL)	6E-03	*	*	*
NICKEL	1E-06	2E-05	7E-05	*
SELENIUM	2E-05	2E-04	3E-04	*
SILVER	5E-06	6E-05	8E-05	*
THALLIUM	7E-05	6E-04	*	*
Hazard Index	1E-02	8E-02	8E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	1E-02	7E-02	1E-01	*
TCDD-TEQ	2E-02	9E-02	2E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B150. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	1E-07	6E-07	*	*
ARSENIC	2E-10	1E-09	*	*
Additive Risk	2E-07	6E-07	*	*
Cancer - Inhalation				
TCDD-TEQ	6E-10	2E-09	5E-09	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	6E-10	3E-09	4E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	6E-09	*
Additive Risk	4E-09	1E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	*	*	*
ARSENIC	4E-06	2E-05	2E-05	3E-05
BARIUM	4E-08	5E-07	6E-07	*
BERYLLIUM	1E-07	9E-07	1E-06	*
CADMIUM	1E-05	4E-04	*	*
CHROMIUM (III)	4E-09	4E-08	6E-08	*
CHROMIUM (VI)	4E-08	3E-07	4E-07	*
COBALT	2E-08	4E-08	5E-08	*
MANGANESE	1E-08	3E-08	3E-08	*
MERCURY (DIVALENT)	1E-05	9E-05	1E-04	*
MERCURY (METHYL)	5E-03	*	*	*
NICKEL	1E-07	2E-06	2E-06	2E-06
SELENIUM	6E-06	8E-05	*	*
SILVER	2E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	5E-03	1E-01	1E-01	1E-01
Non-Cancer - Inhalation				
BARIUM	7E-06	5E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	8E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	4E-03	*	*	*
TCDD-TEQ	5E-03	3E-02	3E-02	3E-02

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B151. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	6E-07	3E-06	6E-06	*
ARSENIC	9E-10	8E-09	1E-08	*
Additive Risk	7E-07	3E-06	6E-06	*
Cancer - Inhalation				
TCDD-TEQ	9E-10	4E-09	7E-09	*
ARSENIC	1E-09	6E-09	8E-09	*
BERYLLIUM	5E-11	3E-10	4E-10	*
CADMIUM	9E-10	4E-09	6E-09	*
CHROMIUM (VI)	7E-10	5E-09	7E-09	*
NICKEL	1E-10	3E-09	9E-09	*
Additive Risk	6E-09	2E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	7E-06	7E-05	2E-04	*
ARSENIC	9E-06	8E-05	1E-04	*
BARIUM	2E-07	3E-06	5E-06	*
BERYLLIUM	8E-08	8E-07	1E-06	*
CADMIUM	6E-05	7E-04	9E-04	*
CHROMIUM (III)	5E-08	4E-07	7E-07	*
CHROMIUM (VI)	3E-07	4E-06	5E-06	*
COBALT	2E-07	2E-06	3E-06	*
MANGANESE	5E-08	4E-07	5E-07	*
MERCURY (DIVALENT)	9E-05	9E-04	1E-03	*
MERCURY (METHYL)	6E-03	*	*	*
NICKEL	8E-07	1E-05	4E-05	*
SELENIUM	2E-05	2E-04	4E-04	*
SILVER	2E-06	2E-05	3E-05	*
THALLIUM	6E-05	6E-04	8E-04	*
Hazard Index	1E-02	9E-02	9E-02	*
Non-Cancer - Inhalation				
BARIUM	7E-06	6E-05	1E-04	*
CHLORINE (CL2)	1E-04	1E-03	3E-03	*
HYDROGEN CHLORIDE (HCL)	3E-03	1E-02	2E-02	*
MANGANESE	6E-05	2E-04	2E-04	*
MERCURY (ELEMENTAL)	7E-06	5E-05	1E-04	*
Hazard Index	4E-03	1E-02	2E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	9E-03	6E-02	1E-01	*
TCDD-TEQ	1E-02	6E-02	1E-01	*

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B152. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher: Lightweight Aggregate Kilns[a]

Constituents	*Cumulative Distribution*			
	<0.50	<0.10	<0.05	<.01
Cancer - Ingestion				
TCDD-TEQ	3E-07	1E-06	*	*
ARSENIC	5E-10	2E-09	*	*
Additive Risk	3E-07	1E-06	*	*
Cancer - Inhalation				
TCDD-TEQ	6E-10	2E-09	5E-09	*
ARSENIC	9E-10	4E-09	5E-09	*
BERYLLIUM	4E-11	2E-10	3E-10	*
CADMIUM	6E-10	3E-09	4E-09	*
CHROMIUM (VI)	5E-10	4E-09	5E-09	*
NICKEL	1E-10	3E-09	6E-09	*
Additive Risk	4E-09	1E-08	2E-08	*
Non-Cancer - Ingestion				
ANTIMONY	3E-06	3E-05	*	*
ARSENIC	4E-06	2E-05	2E-05	3E-05
BARIUM	2E-08	2E-07	3E-07	*
BERYLLIUM	7E-08	6E-07	8E-07	*
CADMIUM	1E-05	4E-04	*	*
CHROMIUM (III)	1E-09	1E-08	2E-08	*
CHROMIUM (VI)	4E-08	4E-07	*	*
COBALT	2E-08	*	*	*
MANGANESE	1E-08	2E-08	3E-08	*
MERCURY (DIVALENT)	5E-06	4E-05	6E-05	*
MERCURY (METHYL)	5E-03	*	*	*
NICKEL	1E-07	1E-06	2E-06	2E-06
SELENIUM	6E-06	8E-05	*	*
SILVER	3E-08	*	*	*
THALLIUM	2E-05	9E-05	*	*
Hazard Index	5E-03	1E-01	1E-01	1E-01
Non-Cancer - Inhalation				
BARIUM	5E-06	4E-05	7E-05	*
CHLORINE (CL2)	9E-05	1E-03	2E-03	*
HYDROGEN CHLORIDE (HCL)	2E-03	7E-03	1E-02	*
MANGANESE	4E-05	1E-04	2E-04	*
MERCURY (ELEMENTAL)	5E-06	4E-05	7E-05	*
Hazard Index	3E-03	9E-03	1E-02	*
Incremental Margin of Exposure				
TCDD: BREAST MILK	5E-03	2E-02	*	*
TCDD-TEQ	5E-03	2E-02	3E-02	3E-02

[a] Confidence intervals are not applicable since all the lightweight aggregate kilns in the population were sampled with certainty.
* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B153. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 9E-08)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(4E-06, 5E-06)*
ARSENIC	1E-10	*(8E-11, 3E-10)*	7E-09	*(3E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	6E-08	*(4E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 7E-11)*	7E-10	*(5E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	3E-09	*
ARSENIC	2E-10	*(9E-11, 4E-10)*	8E-09	*(5E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 3E-10)*	5E-10	*(2E-10, 8E-10)*	1E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(3E-10, 8E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	4E-10	*(3E-10, 6E-10)*	1E-09	*(6E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	8E-07	*(3E-07, 2E-06)*	8E-04	*(1E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	*	*
ARSENIC	4E-06	*(2E-06, 7E-06)*	1E-04	*(8E-05, 4E-04)*	5E-04	*(3E-04, 6E-04)*	9E-04	*(8E-04, 1E-03)*
BARIUM	1E-07	*(9E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	1E-05	*(6E-06, 1E-05)*	6E-05	*(3E-05, 9E-05)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	9E-07	*(4E-07, 1E-06)*	3E-06	*(1E-06, 1E-05)*	3E-05	*(8E-06, 4E-05)*
CADMIUM	1E-05	*(9E-06, 2E-05)*	5E-04	*(3E-04, 6E-04)*	1E-03	*(7E-04, 1E-03)*	5E-03	*(3E-03, 9E-03)*
CHROMIUM (III)	3E-08	*(2E-08, 5E-08)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 5E-06)*
CHROMIUM (VI)	9E-07	*(5E-07, 1E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 7E-05)*	2E-04	*(1E-04, 2E-04)*
COBALT	1E-07	*(9E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	1E-07	*(9E-08, 1E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 8E-06)*
MERCURY (DIVALENT)	1E-04	*(9E-05, 3E-04)*	3E-03	*(2E-03, 4E-03)*	6E-03	*(5E-03, 8E-03)*	1E-02	*(1E-02, 1E-02)*
MERCURY (METHYL)	8E-04	*(3E-04, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 6E-02)*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	1E-05	*(8E-06, 1E-05)*	3E-05	*(1E-05, 4E-05)*	1E-04	*(9E-05, 1E-04)*
SELENIUM	1E-05	*(8E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	9E-04	*(6E-04, 1E-03)*	5E-03	*(2E-03, 7E-03)*
SILVER	3E-06	*(2E-06, 4E-06)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 4E-04)*	3E-03	*(4E-04, 9E-03)*
THALLIUM	8E-06	*(6E-06, 1E-05)*	6E-04	*(3E-04, 9E-04)*	2E-03	*(1E-03, 3E-03)*	1E-02	*(9E-03, 1E-02)*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(2E-02, 3E-02)*	5E-02	*(3E-02, 9E-02)*	2E-01	*(7E-02, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 4E-03)*	6E-02	*(4E-02, 7E-02)*	9E-02	*(8E-02, 1E-01)*	2E-01	*(2E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B154. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 6E-09)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*
ARSENIC	8E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 5E-09)*	1E-08	*(2E-09, 2E-08)*	*	*
Additive Risk	5E-09	*(3E-09, 7E-09)*	2E-07	*(9E-08, 2E-07)*	5E-07	*(2E-07, 6E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 6E-11)*	7E-10	*(5E-10, 8E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*
ARSENIC	2E-10	*(8E-11, 4E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
BERYLLIUM	5E-12	*(3E-12, 6E-12)*	1E-10	*(6E-11, 2E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 1E-09)*	4E-09	*(2E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(2E-08, 2E-07)*	2E-04	*(1E-05, 8E-04)*	2E-03	*(1E-04, 3E-03)*	*	*
ARSENIC	2E-06	*(8E-07, 3E-06)*	4E-05	*(2E-05, 1E-04)*	3E-04	*(6E-05, 5E-04)*	7E-04	*(4E-04, 7E-04)*
BARIUM	3E-08	*(1E-08, 4E-08)*	5E-07	*(4E-07, 7E-07)*	1E-06	*(9E-07, 2E-06)*	9E-06	*(4E-06, 9E-06)*
BERYLLIUM	3E-08	*(2E-08, 4E-08)*	8E-07	*(4E-07, 1E-06)*	3E-06	*(1E-06, 9E-06)*	3E-05	*(8E-06, 4E-05)*
CADMIUM	5E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	8E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	2E-09	*(1E-09, 4E-09)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 4E-07)*
CHROMIUM (VI)	3E-08	*(2E-08, 5E-08)*	2E-06	*(7E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	*	*
COBALT	9E-10	*(6E-10, 9E-10)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(6E-08, 9E-08)*
MANGANESE	1E-08	*(7E-09, 1E-08)*	3E-07	*(1E-07, 6E-07)*	6E-07	*(3E-07, 8E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-06	*(6E-07, 2E-06)*	5E-05	*(2E-05, 1E-04)*	2E-04	*(7E-05, 4E-04)*	1E-03	*(5E-04, 2E-03)*
MERCURY (METHYL)	2E-05	*(8E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(8E-03, 7E-02)*	*	*
NICKEL	1E-08	*(9E-09, 2E-08)*	1E-06	*(6E-07, 4E-06)*	4E-06	*(1E-06, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	1E-09	*(9E-10, 6E-09)*	4E-07	*(9E-08, 7E-07)*	8E-07	*(3E-07, 1E-06)*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 9E-04)*	2E-03	*(1E-03, 2E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	1E-02	*(6E-03, 2E-02)*	4E-02	*(1E-02, 8E-02)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(8E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	8E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 3E-02)*	8E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B155. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 7E-08)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*
ARSENIC	1E-10	*(8E-11, 2E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	5E-08	*(3E-08, 8E-08)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 8E-11)*	8E-10	*(6E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	3E-09	*
ARSENIC	3E-10	*(1E-10, 5E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*
BERYLLIUM	5E-12	*(4E-12, 8E-12)*	2E-10	*(8E-11, 4E-10)*	5E-10	*(2E-10, 9E-10)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 1E-08)*	3E-08	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	4E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 5E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(2E-07, 1E-06)*	5E-04	*(9E-05, 1E-03)*	1E-03	*(7E-04, 2E-03)*	8E-03	*
ARSENIC	2E-06	*(1E-06, 5E-06)*	1E-04	*(6E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	7E-04	*(5E-04, 8E-04)*
BARIUM	7E-08	*(4E-08, 9E-08)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(3E-06, 9E-06)*	3E-05	*(1E-05, 4E-05)*
BERYLLIUM	1E-08	*(8E-09, 1E-08)*	4E-07	*(2E-07, 8E-07)*	1E-06	*(5E-07, 5E-06)*	1E-05	*(3E-06, 2E-05)*
CADMIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	3E-03	*(2E-03, 7E-03)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	4E-07	*(3E-07, 6E-07)*	8E-07	*(7E-07, 9E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	5E-07	*(3E-07, 8E-07)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	9E-05	*(6E-05, 1E-04)*
COBALT	8E-08	*(6E-08, 9E-08)*	9E-07	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	7E-08	*(5E-08, 9E-08)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	4E-06	*(3E-06, 4E-06)*
MERCURY (DIVALENT)	8E-05	*(5E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 4E-03)*	9E-03	*(7E-03, 9E-03)*
MERCURY (METHYL)	5E-04	*(2E-04, 9E-04)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(7E-03, 5E-02)*	*	*
NICKEL	2E-07	*(9E-08, 3E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(9E-06, 2E-05)*	7E-05	*(5E-05, 8E-05)*
SELENIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(4E-04, 9E-04)*	3E-03	*(1E-03, 5E-03)*
SILVER	1E-06	*(9E-07, 2E-06)*	4E-05	*(3E-05, 7E-05)*	9E-05	*(7E-05, 2E-04)*	1E-03	*(2E-04, 6E-03)*
THALLIUM	5E-06	*(3E-06, 9E-06)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(8E-04, 2E-03)*	9E-03	*(7E-03, 9E-03)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(2E-02, 7E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(9E-04, 2E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(4E-02, 7E-02)*	1E-01	*(9E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B156. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-09	*(3E-09, 8E-09)*	2E-07	*(1E-07, 3E-07)*	6E-07	*(2E-07, 8E-07)*	2E-06	*
ARSENIC	7E-11	*(2E-11, 9E-11)*	2E-09	*(7E-10, 5E-09)*	9E-09	*	*	*
Additive Risk	6E-09	*(4E-09, 9E-09)*	2E-07	*(1E-07, 3E-07)*	6E-07	*(3E-07, 8E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 7E-11)*	8E-10	*(6E-10, 9E-10)*	1E-09	*(1E-09, 2E-09)*	3E-09	*
ARSENIC	2E-10	*(9E-11, 4E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*
BERYLLIUM	5E-12	*(4E-12, 7E-12)*	1E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
CADMIUM	1E-10	*(7E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(3E-10, 9E-10)*	1E-08	*(8E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 3E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(3E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(9E-09, 9E-08)*	7E-05	*(4E-06, 3E-04)*	7E-04	*(6E-05, 2E-03)*	*	*
ARSENIC	1E-06	*(4E-07, 2E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(4E-05, 3E-04)*	4E-04	*
BARIUM	9E-09	*(5E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(2E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	3E-07	*(2E-07, 6E-07)*	1E-06	*(4E-07, 4E-06)*	2E-05	*(3E-06, 2E-05)*
CADMIUM	4E-06	*(2E-06, 7E-06)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	8E-10	*(4E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(8E-08, 1E-07)*
CHROMIUM (VI)	2E-08	*(8E-09, 2E-08)*	1E-06	*(5E-07, 6E-06)*	7E-06	*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	7E-09	*(6E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
MANGANESE	4E-09	*(2E-09, 7E-09)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 6E-07)*
MERCURY (DIVALENT)	3E-07	*(1E-07, 7E-07)*	1E-05	*(7E-06, 3E-05)*	5E-05	*(2E-05, 9E-05)*	3E-04	*(1E-04, 5E-04)*
MERCURY (METHYL)	2E-05	*(7E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(8E-03, 7E-02)*	*	*
NICKEL	9E-09	*(4E-09, 1E-08)*	8E-07	*(3E-07, 2E-06)*	2E-06	*(7E-07, 3E-06)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 8E-04)*	3E-03	*
SILVER	8E-10	*(3E-10, 2E-09)*	2E-07	*(5E-08, 5E-07)*	6E-07	*(2E-07, 8E-07)*	*	*
THALLIUM	1E-06	*(8E-07, 2E-06)*	7E-05	*(4E-05, 1E-04)*	2E-04	*(1E-04, 5E-04)*	2E-03	*(8E-04, 2E-03)*
Hazard Index	2E-04	*(8E-05, 3E-04)*	9E-03	*(5E-03, 2E-02)*	4E-02	*(1E-02, 8E-02)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(8E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(1E-04, 2E-04)*	8E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 3E-02)*	8E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B157. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	4E-07	*(3E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	9E-11	*(4E-11, 1E-10)*	3E-09	*(1E-09, 8E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	2E-08	*(1E-08, 4E-08)*	5E-07	*(4E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	5E-10	*(4E-10, 6E-10)*	9E-10	*(7E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(7E-11, 3E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	1E-10	*(5E-11, 2E-10)*	3E-10	*(1E-10, 6E-10)*	1E-09	*
CADMIUM	7E-11	*(5E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(8E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(5E-10, 1E-09)*	3E-09	*
Additive Risk	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(9E-08, 6E-07)*	2E-04	*(5E-05, 7E-04)*	9E-04	*(3E-04, 1E-03)*	5E-03	*(1E-03, 6E-03)*
ARSENIC	1E-06	*(8E-07, 2E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	3E-08	*(2E-08, 5E-08)*	8E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 4E-06)*	1E-05	*(8E-06, 2E-05)*
BERYLLIUM	6E-09	*(4E-09, 9E-09)*	2E-07	*(9E-08, 4E-07)*	7E-07	*(3E-07, 3E-06)*	9E-06	*(2E-06, 1E-05)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(3E-04, 6E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	8E-09	*(5E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 4E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	7E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	5E-05	*(3E-05, 7E-05)*
COBALT	4E-08	*(3E-08, 5E-08)*	5E-07	*(4E-07, 6E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MANGANESE	3E-08	*(2E-08, 5E-08)*	4E-07	*(3E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
MERCURY (DIVALENT)	4E-05	*(2E-05, 8E-05)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MERCURY (METHYL)	2E-04	*(1E-04, 4E-04)*	5E-03	*(2E-03, 7E-03)*	8E-03	*(4E-03, 3E-02)*	*	*
NICKEL	9E-08	*(4E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	8E-06	*(4E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
SELENIUM	5E-06	*(3E-06, 8E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 2E-03)*
SILVER	7E-07	*(5E-07, 9E-07)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	7E-04	*(9E-05, 3E-03)*
THALLIUM	3E-06	*(2E-06, 4E-06)*	2E-04	*(9E-05, 3E-04)*	7E-04	*(4E-04, 9E-04)*	4E-03	*(3E-03, 5E-03)*
Hazard Index	7E-04	*(4E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(8E-03, 4E-02)*	7E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(3E-04, 9E-04)*	1E-02	*(9E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
TCDD-TEQ	7E-04	*(4E-04, 1E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B158. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 6E-09)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*
ARSENIC	4E-11	*(1E-11, 7E-11)*	1E-09	*(5E-10, 3E-09)*	8E-09	*(1E-09, 9E-09)*	1E-08	*
Additive Risk	4E-09	*(3E-09, 6E-09)*	2E-07	*(9E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 4E-11)*	5E-10	*(4E-10, 6E-10)*	9E-10	*(7E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(6E-11, 3E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	9E-11	*(5E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	9E-10	*
CADMIUM	6E-11	*(4E-11, 9E-11)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(7E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	8E-10	*(5E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*
Additive Risk	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(6E-09, 5E-08)*	4E-05	*(2E-06, 3E-04)*	7E-04	*(4E-05, 1E-03)*	*	*
ARSENIC	8E-07	*(3E-07, 1E-06)*	2E-05	*(9E-06, 5E-05)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	5E-09	*(2E-09, 9E-09)*	8E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	1E-06	*(6E-07, 1E-06)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	9E-07	*(2E-07, 2E-06)*	1E-05	*(2E-06, 1E-05)*
CADMIUM	3E-06	*(2E-06, 5E-06)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	4E-10	*(2E-10, 7E-10)*	9E-09	*(8E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*
CHROMIUM (VI)	1E-08	*(5E-09, 1E-08)*	9E-07	*(3E-07, 3E-06)*	4E-06	*	*	*
COBALT	9E-10	*(4E-10, 1E-09)*	4E-08	*(1E-08, 8E-08)*	8E-08	*(3E-08, 9E-08)*	1E-07	*
MANGANESE	2E-09	*(1E-09, 4E-09)*	8E-08	*(3E-08, 2E-07)*	2E-07	*(7E-08, 2E-07)*	3E-07	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 3E-07)*	8E-06	*(3E-06, 1E-05)*	2E-05	*(9E-06, 6E-05)*	2E-04	*(7E-05, 3E-04)*
MERCURY (METHYL)	2E-05	*(5E-06, 5E-05)*	4E-03	*(1E-03, 1E-02)*	2E-02	*(6E-03, 5E-02)*	2E-01	*(5E-02, 3E-01)*
NICKEL	5E-09	*(3E-09, 9E-09)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(5E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	6E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	5E-10	*(2E-10, 1E-09)*	2E-07	*(4E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	*	*
THALLIUM	9E-07	*(5E-07, 1E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(6E-05, 2E-04)*	7E-03	*(3E-03, 1E-02)*	3E-02	*(7E-03, 6E-02)*	3E-01	*(6E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(7E-07, 2E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
HYDROGEN CHLORIDE (HCL)	9E-05	*(5E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	7E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(8E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(6E-05, 1E-04)*	5E-03	*(2E-03, 6E-03)*	8E-03	*(6E-03, 1E-02)*	5E-02	*
TCDD-TEQ	1E-04	*(8E-05, 2E-04)*	6E-03	*(3E-03, 8E-03)*	2E-02	*(7E-03, 2E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B159. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 4E-08)*	5E-07	*(4E-07, 6E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
ARSENIC	1E-10	*(8E-11, 3E-10)*	6E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 4E-08)*
Additive Risk	3E-08	*(2E-08, 4E-08)*	6E-07	*(4E-07, 7E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 7E-11)*	7E-10	*(6E-10, 9E-10)*	1E-09	*(1E-09, 1E-09)*	3E-09	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 5E-08)*
BERYLLIUM	5E-12	*(4E-12, 8E-12)*	2E-10	*(7E-11, 4E-10)*	5E-10	*(2E-10, 8E-10)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	6E-10	*(4E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(9E-08, 4E-07)*	2E-04	*(4E-05, 7E-04)*	9E-04	*(3E-04, 1E-03)*	6E-03	*(1E-03, 6E-03)*
ARSENIC	1E-06	*(8E-07, 3E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	2E-08	*(1E-08, 3E-08)*	4E-07	*(3E-07, 6E-07)*	1E-06	*(7E-07, 2E-06)*	8E-06	*(4E-06, 9E-06)*
BERYLLIUM	5E-09	*(3E-09, 9E-09)*	1E-07	*(9E-08, 3E-07)*	5E-07	*(2E-07, 2E-06)*	7E-06	*(1E-06, 9E-06)*
CADMIUM	6E-06	*(4E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 7E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	4E-09	*(2E-09, 7E-09)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	6E-07	*(5E-07, 7E-07)*
CHROMIUM (VI)	1E-07	*(9E-08, 2E-07)*	6E-06	*(3E-06, 8E-06)*	1E-05	*(6E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	2E-08	*(2E-08, 3E-08)*	3E-07	*(3E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(1E-06, 2E-06)*
MANGANESE	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 6E-07)*	1E-06	*(9E-07, 1E-06)*
MERCURY (DIVALENT)	2E-05	*(1E-05, 5E-05)*	6E-04	*(4E-04, 8E-04)*	1E-03	*(9E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*
MERCURY (METHYL)	2E-04	*(1E-04, 4E-04)*	4E-03	*(1E-03, 8E-03)*	9E-03	*(3E-03, 3E-02)*	*	*
NICKEL	6E-08	*(3E-08, 1E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
SELENIUM	6E-06	*(3E-06, 9E-06)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	4E-07	*(2E-07, 5E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 4E-05)*	4E-04	*(4E-05, 1E-03)*
THALLIUM	3E-06	*(1E-06, 4E-06)*	2E-04	*(9E-05, 3E-04)*	6E-04	*(3E-04, 9E-04)*	3E-03	*(3E-03, 5E-03)*
Hazard Index	7E-04	*(3E-04, 1E-03)*	8E-03	*(5E-03, 1E-02)*	2E-02	*(8E-03, 4E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(8E-07, 2E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	4E-04	*(3E-04, 6E-04)*	7E-03	*(5E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(6E-05, 1E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	4E-05	*(3E-05, 5E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 8E-04)*	2E-03	*(1E-03, 2E-03)*
MERCURY (ELEMENTAL)	1E-06	*(8E-07, 2E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	8E-04	*(6E-04, 1E-03)*	8E-03	*(6E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(4E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(2E-04, 7E-04)*	9E-03	*(7E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	3E-02	*(3E-02, 4E-02)*
TCDD-TEQ	5E-04	*(3E-04, 7E-04)*	1E-02	*(7E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B160. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(4E-09, 9E-09)*	3E-07	*(1E-07, 4E-07)*	7E-07	*(4E-07, 1E-06)*	3E-06	*
ARSENIC	7E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 5E-09)*	1E-08	*(3E-09, 2E-08)*	3E-08	*
Additive Risk	7E-09	*(4E-09, 1E-08)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(4E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 4E-11)*	5E-10	*(4E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(6E-11, 3E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(7E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	9E-11	*(5E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	9E-10	*
CADMIUM	6E-11	*(4E-11, 9E-11)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(7E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(5E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*
Additive Risk	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 7E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(6E-09, 5E-08)*	5E-05	*(2E-06, 3E-04)*	8E-04	*(4E-05, 1E-03)*	*	*
ARSENIC	7E-07	*(2E-07, 1E-06)*	2E-05	*(9E-06, 5E-05)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	2E-09	*(9E-10, 5E-09)*	6E-08	*(3E-08, 8E-08)*	1E-07	*(7E-08, 1E-07)*	5E-07	*(2E-07, 7E-07)*
BERYLLIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	6E-07	*(1E-07, 1E-06)*	1E-05	*(1E-06, 1E-05)*
CADMIUM	3E-06	*(1E-06, 5E-06)*	1E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	2E-10	*(1E-10, 3E-10)*	4E-09	*(3E-09, 5E-09)*	8E-09	*(6E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
CHROMIUM (VI)	1E-08	*(4E-09, 1E-08)*	1E-06	*(3E-07, 4E-06)*	4E-06	*(1E-06, 7E-06)*	*	*
COBALT	7E-10	*(3E-10, 1E-09)*	5E-08	*(9E-09, 9E-08)*	9E-08	*(3E-08, 1E-07)*	1E-07	*
MANGANESE	2E-09	*(9E-10, 4E-09)*	1E-07	*(3E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	4E-07	*
MERCURY (DIVALENT)	9E-08	*(4E-08, 1E-07)*	3E-06	*(1E-06, 7E-06)*	9E-06	*(4E-06, 2E-05)*	7E-05	*(3E-05, 9E-05)*
MERCURY (METHYL)	2E-05	*(5E-06, 5E-05)*	4E-03	*(1E-03, 1E-02)*	2E-02	*(6E-03, 5E-02)*	2E-01	*(5E-02, 3E-01)*
NICKEL	5E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(5E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 6E-04)*	2E-03	*
SILVER	6E-10	*(1E-10, 1E-09)*	2E-07	*(4E-08, 4E-07)*	5E-07	*(1E-07, 6E-07)*	*	*
THALLIUM	9E-07	*(5E-07, 1E-06)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(8E-05, 4E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(5E-05, 2E-04)*	7E-03	*(3E-03, 1E-02)*	3E-02	*(8E-03, 6E-02)*	3E-01	*(6E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	8E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 6E-05)*	1E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 4E-04)*	5E-03	*(3E-03, 7E-03)*	1E-02	*(6E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*
HYDROGEN CHLORIDE (HCL)	6E-05	*(4E-05, 8E-05)*	6E-04	*(5E-04, 8E-04)*	1E-03	*(9E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	3E-05	*(2E-05, 4E-05)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(4E-04, 5E-04)*	1E-03	*(7E-04, 1E-03)*
MERCURY (ELEMENTAL)	8E-07	*(5E-07, 2E-06)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(5E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
Hazard Index	5E-04	*(4E-04, 7E-04)*	5E-03	*(4E-03, 8E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*(3E-02, 3E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(8E-05, 1E-04)*	5E-03	*(3E-03, 7E-03)*	1E-02	*(6E-03, 2E-02)*	6E-02	*
TCDD-TEQ	1E-04	*(8E-05, 2E-04)*	6E-03	*(3E-03, 8E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B161. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 1E-07)*	1E-06	*(3E-07, 2E-06)*	2E-06	*(9E-07, 3E-06)*	5E-06	*
ARSENIC	3E-11	*(6E-12, 3E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*
Additive Risk	3E-08	*(1E-08, 2E-07)*	1E-06	*(4E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	5E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 8E-11)*	6E-10	*(2E-10, 1E-09)*	1E-09	*(4E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*
ARSENIC	3E-11	*(1E-11, 5E-10)*	1E-08	*(1E-09, 2E-08)*	2E-08	*(6E-09, 3E-08)*	9E-08	*(5E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 8E-12)*	3E-11	*(1E-11, 6E-11)*	6E-11	*(3E-11, 1E-10)*	1E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(1E-10, 2E-09)*	4E-09	*(4E-10, 6E-09)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 2E-09)*	8E-09	*(3E-09, 1E-08)*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(4E-10, 3E-09)*	7E-09	*(5E-09, 7E-09)*
Additive Risk	5E-10	*(3E-10, 1E-09)*	1E-08	*(3E-09, 3E-08)*	4E-08	*(1E-08, 5E-08)*	1E-07	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(8E-08, 2E-06)*	1E-03	*(9E-06, 4E-03)*	4E-03	*(9E-05, 6E-03)*	1E-02	*(2E-03, 1E-02)*
ARSENIC	7E-07	*(2E-07, 8E-06)*	2E-04	*(2E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	3E-03	*(1E-03, 3E-03)*
BARIUM	9E-08	*(1E-08, 3E-07)*	5E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 3E-05)*	9E-05	*(3E-05, 1E-04)*
BERYLLIUM	2E-08	*(8E-09, 4E-08)*	3E-07	*(8E-08, 6E-07)*	8E-07	*(2E-07, 1E-06)*	2E-06	*
CADMIUM	9E-06	*(2E-06, 2E-05)*	2E-04	*(7E-05, 3E-04)*	5E-04	*(1E-04, 1E-03)*	7E-03	*
CHROMIUM (III)	4E-09	*(1E-09, 2E-08)*	4E-07	*(9E-08, 9E-07)*	1E-06	*(3E-07, 2E-06)*	7E-06	*(5E-06, 8E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 3E-07)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(2E-06, 9E-06)*	3E-05	*(9E-06, 5E-05)*
COBALT	1E-07	*(5E-08, 2E-07)*	2E-06	*(5E-07, 5E-06)*	7E-06	*(2E-06, 9E-06)*	2E-05	*(9E-06, 2E-05)*
MANGANESE	9E-08	*(4E-08, 2E-07)*	1E-06	*(5E-07, 4E-06)*	5E-06	*(1E-06, 7E-06)*	1E-05	*(9E-06, 2E-05)*
MERCURY (DIVALENT)	9E-05	*(3E-05, 5E-04)*	4E-03	*(1E-03, 7E-03)*	8E-03	*(3E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*
MERCURY (METHYL)	3E-04	*(5E-05, 1E-03)*	8E-03	*	*	*	*	*
NICKEL	1E-07	*(6E-08, 7E-07)*	9E-06	*(3E-06, 2E-05)*	4E-05	*(8E-06, 7E-05)*	3E-04	*(2E-04, 3E-04)*
SELENIUM	6E-06	*(8E-07, 2E-05)*	4E-04	*(8E-05, 5E-04)*	7E-04	*(3E-04, 1E-03)*	6E-03	*(2E-03, 9E-03)*
SILVER	2E-06	*(5E-07, 8E-06)*	9E-05	*(3E-05, 2E-04)*	3E-04	*(7E-05, 6E-04)*	1E-03	*(4E-04, 2E-03)*
THALLIUM	7E-06	*(2E-06, 2E-05)*	2E-03	*(9E-05, 5E-03)*	8E-03	*(2E-03, 1E-02)*	1E-01	*(3E-02, 2E-01)*
Hazard Index	5E-04	*(2E-04, 3E-03)*	4E-02	*(8E-03, 5E-02)*	5E-02	*(2E-02, 6E-02)*	2E-01	*(4E-02, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	8E-05	*(1E-05, 2E-04)*	2E-04	*(4E-05, 3E-04)*	4E-04	*(2E-04, 5E-04)*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(5E-04, 7E-03)*	5E-02	*(1E-02, 9E-02)*	1E-01	*(4E-02, 1E-01)*	2E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B162. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(5E-09, 1E-08)*	5E-08	*(3E-08, 7E-08)*	8E-08	*(3E-08, 1E-07)*	*	*
ARSENIC	8E-12	*(4E-12, 9E-11)*	3E-09	*(2E-10, 4E-09)*	5E-09	*(5E-10, 7E-09)*	1E-08	*(7E-09, 1E-08)*
Additive Risk	7E-09	*(5E-09, 1E-08)*	6E-08	*(3E-08, 7E-08)*	8E-08	*(4E-08, 1E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 6E-11)*	5E-10	*(8E-11, 1E-09)*	1E-09	*(3E-10, 2E-09)*	2E-09	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	1E-08	*(5E-10, 2E-08)*	2E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*
BERYLLIUM	4E-12	*(2E-12, 8E-12)*	4E-11	*(1E-11, 6E-11)*	6E-11	*(2E-11, 1E-10)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	4E-10	*(9E-11, 2E-09)*	5E-09	*(3E-10, 1E-08)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	9E-09	*(3E-09, 1E-08)*
NICKEL	1E-11	*(5E-12, 4E-11)*	5E-10	*(2E-10, 1E-09)*	1E-09	*(3E-10, 3E-09)*	7E-09	*(5E-09, 7E-09)*
Additive Risk	4E-10	*(3E-10, 1E-09)*	1E-08	*(2E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(7E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(1E-08, 3E-07)*	2E-05	*	*	*	*	*
ARSENIC	2E-07	*(9E-08, 2E-06)*	9E-05	*(5E-06, 1E-04)*	1E-04	*(1E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*
BARIUM	1E-08	*(2E-09, 5E-08)*	8E-07	*(3E-07, 2E-06)*	2E-06	*(5E-07, 4E-06)*	8E-06	*(3E-06, 1E-05)*
BERYLLIUM	3E-08	*(2E-08, 5E-08)*	3E-07	*(9E-08, 6E-07)*	7E-07	*(2E-07, 9E-07)*	*	*
CADMIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(3E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	*	*
CHROMIUM (III)	2E-10	*(9E-11, 1E-09)*	4E-08	*(4E-09, 9E-08)*	1E-07	*(2E-08, 2E-07)*	6E-07	*(4E-07, 7E-07)*
CHROMIUM (VI)	1E-08	*(9E-09, 1E-08)*	6E-08	*(4E-08, 9E-08)*	1E-07	*(5E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*
COBALT	9E-10	*(4E-10, 2E-09)*	2E-08	*(6E-09, 5E-08)*	5E-08	*(9E-09, 8E-08)*	1E-07	*(7E-08, 2E-07)*
MANGANESE	1E-08	*(2E-09, 2E-08)*	3E-07	*(3E-08, 5E-07)*	5E-07	*(4E-08, 7E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-07	*(4E-08, 2E-06)*	6E-05	*(4E-06, 2E-04)*	2E-04	*(1E-05, 6E-04)*	9E-04	*
MERCURY (METHYL)	2E-05	*(7E-06, 6E-05)*	6E-03	*(1E-04, 4E-02)*	3E-02	*(5E-04, 8E-02)*	*	*
NICKEL	1E-08	*(5E-09, 2E-08)*	9E-07	*(8E-08, 1E-06)*	1E-06	*(1E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	1E-09	*(1E-10, 2E-09)*	4E-08	*	*	*	*	*
THALLIUM	1E-06	*(4E-07, 3E-06)*	1E-04	*(6E-05, 3E-04)*	6E-04	*(7E-05, 9E-04)*	*	*
Hazard Index	6E-05	*(4E-05, 4E-04)*	1E-02	*(4E-04, 9E-02)*	9E-02	*(4E-03, 2E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	3E-05	*(4E-06, 9E-05)*	1E-04	*(9E-06, 3E-04)*	4E-04	*(2E-04, 5E-04)*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	3E-04	*(2E-04, 5E-04)*	2E-03	*(1E-03, 3E-03)*	3E-03	*(1E-03, 6E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B163. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(9E-09, 1E-07)*	9E-07	*(2E-07, 2E-06)*	2E-06	*(7E-07, 3E-06)*	4E-06	*
ARSENIC	2E-11	*(6E-12, 3E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	8E-08	*(4E-08, 1E-07)*
Additive Risk	2E-08	*(9E-09, 1E-07)*	9E-07	*(3E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 1E-10)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*
ARSENIC	3E-11	*(2E-11, 6E-10)*	1E-08	*(2E-09, 2E-08)*	2E-08	*(7E-09, 4E-08)*	1E-07	*(5E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	4E-11	*(1E-11, 7E-11)*	7E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	5E-11	*(2E-11, 7E-11)*	5E-10	*(1E-10, 2E-09)*	5E-09	*(5E-10, 7E-09)*	4E-08	*(2E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	9E-09	*(4E-09, 1E-08)*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(4E-10, 3E-09)*	8E-09	*(6E-09, 9E-09)*
Additive Risk	5E-10	*(3E-10, 2E-09)*	2E-08	*(4E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(5E-08, 1E-06)*	9E-04	*(6E-06, 2E-03)*	2E-03	*(5E-05, 4E-03)*	6E-03	*(1E-03, 7E-03)*
ARSENIC	5E-07	*(1E-07, 6E-06)*	1E-04	*(2E-05, 3E-04)*	3E-04	*(9E-05, 6E-04)*	2E-03	*(8E-04, 2E-03)*
BARIUM	4E-08	*(7E-09, 1E-07)*	2E-06	*(9E-07, 6E-06)*	9E-06	*(2E-06, 1E-05)*	4E-05	*(1E-05, 5E-05)*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	1E-07	*(4E-08, 2E-07)*	3E-07	*(9E-08, 5E-07)*	9E-07	*
CADMIUM	6E-06	*(2E-06, 1E-05)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	6E-03	*(2E-03, 8E-03)*
CHROMIUM (III)	2E-09	*(7E-10, 1E-08)*	2E-07	*(5E-08, 5E-07)*	7E-07	*(2E-07, 1E-06)*	4E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	9E-08	*(7E-08, 1E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 5E-06)*	2E-05	*(6E-06, 2E-05)*
COBALT	7E-08	*(3E-08, 1E-07)*	1E-06	*(3E-07, 3E-06)*	4E-06	*(9E-07, 6E-06)*	1E-05	*(7E-06, 2E-05)*
MANGANESE	6E-08	*(2E-08, 1E-07)*	9E-07	*(3E-07, 2E-06)*	3E-06	*(7E-07, 4E-06)*	8E-06	*(5E-06, 9E-06)*
MERCURY (DIVALENT)	5E-05	*(2E-05, 3E-04)*	2E-03	*(7E-04, 4E-03)*	5E-03	*(2E-03, 6E-03)*	9E-03	*(6E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(3E-05, 8E-04)*	5E-03	*	*	*	*	*
NICKEL	9E-08	*(3E-08, 4E-07)*	5E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 4E-05)*	2E-04	*(9E-05, 2E-04)*
SELENIUM	5E-06	*(6E-07, 1E-05)*	3E-04	*(6E-05, 4E-04)*	6E-04	*(2E-04, 9E-04)*	3E-03	*(1E-03, 6E-03)*
SILVER	8E-07	*(2E-07, 4E-06)*	5E-05	*(1E-05, 1E-04)*	1E-04	*(3E-05, 2E-04)*	7E-04	*(2E-04, 8E-04)*
THALLIUM	5E-06	*(1E-06, 1E-05)*	1E-03	*(7E-05, 3E-03)*	5E-03	*(1E-03, 9E-03)*	7E-02	*(2E-02, 8E-02)*
Hazard Index	4E-04	*(1E-04, 2E-03)*	3E-02	*(5E-03, 4E-02)*	4E-02	*(1E-02, 5E-02)*	1E-01	*(3E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	8E-05	*(1E-05, 2E-04)*	2E-04	*(4E-05, 3E-04)*	4E-04	*(2E-04, 5E-04)*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-04	*(3E-04, 4E-03)*	3E-02	*(9E-03, 6E-02)*	7E-02	*(2E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B164. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(6E-09, 1E-08)*	7E-08	*(4E-08, 8E-08)*	9E-08	*(5E-08, 2E-07)*	*	*
ARSENIC	9E-12	*(3E-12, 6E-11)*	2E-09	*(2E-10, 4E-09)*	4E-09	*(4E-10, 6E-09)*	*	*
Additive Risk	8E-09	*(7E-09, 1E-08)*	8E-08	*(4E-08, 8E-08)*	9E-08	*(5E-08, 2E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 7E-11)*	6E-10	*(1E-10, 1E-09)*	1E-09	*(3E-10, 2E-09)*	2E-09	*
ARSENIC	3E-11	*(1E-11, 2E-10)*	1E-08	*(5E-10, 2E-08)*	2E-08	*(5E-09, 4E-08)*	9E-08	*(4E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	4E-11	*(1E-11, 7E-11)*	7E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 5E-11)*	5E-10	*(1E-10, 3E-09)*	5E-09	*(4E-10, 1E-08)*	5E-08	*(2E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	1E-08	*(4E-09, 1E-08)*
NICKEL	1E-11	*(5E-12, 5E-11)*	6E-10	*(2E-10, 1E-09)*	2E-09	*(3E-10, 3E-09)*	8E-09	*(5E-09, 9E-09)*
Additive Risk	4E-10	*(3E-10, 2E-09)*	2E-08	*(2E-09, 4E-08)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(7E-09, 1E-07)*	8E-06	*	*	*	*	*
ARSENIC	1E-07	*(6E-08, 9E-07)*	4E-05	*(5E-06, 6E-05)*	7E-05	*(8E-06, 9E-05)*	*	*
BARIUM	3E-09	*(5E-10, 1E-08)*	2E-07	*(9E-08, 5E-07)*	7E-07	*(1E-07, 1E-06)*	3E-06	*(9E-07, 4E-06)*
BERYLLIUM	2E-08	*(6E-09, 3E-08)*	1E-07	*(7E-08, 2E-07)*	2E-07	*(9E-08, 3E-07)*	4E-07	*
CADMIUM	3E-06	*(1E-06, 7E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 6E-04)*	*	*
CHROMIUM (III)	8E-11	*(3E-11, 3E-10)*	1E-08	*(1E-09, 2E-08)*	3E-08	*(7E-09, 5E-08)*	1E-07	*(9E-08, 2E-07)*
CHROMIUM (VI)	6E-09	*(3E-09, 8E-09)*	3E-08	*	*	*	*	*
COBALT	3E-10	*(1E-10, 5E-10)*	5E-09	*(1E-09, 1E-08)*	1E-08	*(2E-09, 2E-08)*	5E-08	*(2E-08, 6E-08)*
MANGANESE	6E-09	*(7E-10, 8E-09)*	7E-08	*(9E-09, 3E-07)*	3E-07	*(1E-08, 3E-07)*	4E-07	*
MERCURY (DIVALENT)	3E-08	*(1E-08, 6E-07)*	1E-05	*(9E-07, 6E-05)*	5E-05	*(3E-06, 1E-04)*	3E-04	*
MERCURY (METHYL)	2E-05	*(6E-06, 6E-05)*	5E-03	*(1E-04, 4E-02)*	3E-02	*(5E-04, 8E-02)*	*	*
NICKEL	7E-09	*(3E-09, 9E-09)*	6E-07	*(8E-08, 7E-07)*	7E-07	*(9E-08, 9E-07)*	1E-06	*(5E-07, 2E-06)*
SELENIUM	1E-06	*(9E-08, 3E-06)*	9E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
SILVER	7E-10	*(4E-11, 9E-10)*	2E-08	*	*	*	*	*
THALLIUM	1E-06	*(3E-07, 2E-06)*	1E-04	*(4E-05, 2E-04)*	4E-04	*(7E-05, 9E-04)*	*	*
Hazard Index	6E-05	*(4E-05, 4E-04)*	1E-02	*(4E-04, 9E-02)*	9E-02	*(4E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	3E-05	*(4E-06, 9E-05)*	1E-04	*(9E-06, 3E-04)*	4E-04	*(2E-04, 5E-04)*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(2E-04, 4E-04)*	2E-03	*(9E-04, 3E-03)*	3E-03	*(1E-03, 6E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B165. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(4E-09, 5E-08)*	4E-07	*(1E-07, 8E-07)*	9E-07	*(3E-07, 1E-06)*	2E-06	*
ARSENIC	1E-11	*(3E-12, 1E-10)*	4E-09	*(6E-10, 9E-09)*	9E-09	*(2E-09, 1E-08)*	4E-08	*(2E-08, 7E-08)*
Additive Risk	1E-08	*(4E-09, 6E-08)*	5E-07	*(1E-07, 8E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 6E-11)*	4E-10	*(1E-10, 8E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*
ARSENIC	2E-11	*(1E-11, 4E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(4E-09, 3E-08)*	6E-08	*(3E-08, 8E-08)*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	1E-10	*
CADMIUM	3E-11	*(1E-11, 4E-11)*	3E-10	*(8E-11, 2E-09)*	3E-09	*(3E-10, 5E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	9E-10	*(5E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	6E-09	*(3E-09, 8E-09)*
NICKEL	1E-11	*(3E-12, 3E-11)*	3E-10	*(1E-10, 8E-10)*	1E-09	*(3E-10, 2E-09)*	5E-09	*(4E-09, 5E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	1E-08	*(3E-09, 2E-08)*	3E-08	*(9E-09, 4E-08)*	8E-08	*(6E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 7E-07)*	4E-04	*(3E-06, 1E-03)*	1E-03	*(3E-05, 2E-03)*	3E-03	*(7E-04, 4E-03)*
ARSENIC	2E-07	*(6E-08, 3E-06)*	7E-05	*(9E-06, 1E-04)*	2E-04	*(5E-05, 3E-04)*	7E-04	*(4E-04, 8E-04)*
BARIUM	2E-08	*(3E-09, 8E-08)*	1E-06	*(5E-07, 3E-06)*	4E-06	*(9E-07, 7E-06)*	2E-05	*(6E-06, 2E-05)*
BERYLLIUM	5E-09	*(2E-09, 9E-09)*	6E-08	*(2E-08, 1E-07)*	1E-07	*(5E-08, 2E-07)*	4E-07	*
CADMIUM	3E-06	*(9E-07, 9E-06)*	7E-05	*(2E-05, 1E-04)*	2E-04	*(6E-05, 6E-04)*	3E-03	*(8E-04, 4E-03)*
CHROMIUM (III)	9E-10	*(3E-10, 5E-09)*	9E-08	*(2E-08, 2E-07)*	3E-07	*(8E-08, 5E-07)*	2E-06	*(1E-06, 2E-06)*
CHROMIUM (VI)	5E-08	*(3E-08, 7E-08)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(6E-07, 2E-06)*	6E-06	*(2E-06, 8E-06)*
COBALT	3E-08	*(1E-08, 7E-08)*	7E-07	*(1E-07, 1E-06)*	2E-06	*(5E-07, 2E-06)*	7E-06	*(3E-06, 8E-06)*
MANGANESE	3E-08	*(1E-08, 6E-08)*	5E-07	*(1E-07, 1E-06)*	1E-06	*(3E-07, 2E-06)*	5E-06	*(2E-06, 6E-06)*
MERCURY (DIVALENT)	2E-05	*(9E-06, 1E-04)*	1E-03	*(3E-04, 2E-03)*	2E-03	*(9E-04, 3E-03)*	5E-03	*(3E-03, 6E-03)*
MERCURY (METHYL)	9E-05	*(1E-05, 4E-04)*	2E-03	*	*	*	*	*
NICKEL	5E-08	*(2E-08, 2E-07)*	2E-06	*(9E-07, 7E-06)*	1E-05	*(2E-06, 2E-05)*	9E-05	*(5E-05, 9E-05)*
SELENIUM	2E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(6E-04, 3E-03)*
SILVER	4E-07	*(9E-08, 2E-06)*	2E-05	*(6E-06, 5E-05)*	6E-05	*(1E-05, 1E-04)*	3E-04	*(1E-04, 4E-04)*
THALLIUM	2E-06	*(7E-07, 7E-06)*	7E-04	*(3E-05, 1E-03)*	2E-03	*(6E-04, 4E-03)*	4E-02	*(9E-03, 6E-02)*
Hazard Index	2E-04	*(6E-05, 1E-03)*	1E-02	*(2E-03, 2E-02)*	2E-02	*(6E-03, 2E-02)*	6E-02	*(1E-02, 7E-02)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	8E-05	*(1E-05, 2E-04)*	2E-04	*(4E-05, 3E-04)*	4E-04	*(2E-04, 5E-04)*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 1E-03)*	1E-02	*(3E-03, 2E-02)*	2E-02	*(9E-03, 3E-02)*	5E-02	*
TCDD-TEQ	4E-04	*(1E-04, 2E-03)*	2E-02	*(5E-03, 3E-02)*	3E-02	*(1E-02, 5E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B166. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(4E-09, 9E-09)*	5E-08	*(3E-08, 6E-08)*	7E-08	*(3E-08, 1E-07)*	*	*
ARSENIC	7E-12	*(2E-12, 3E-11)*	1E-09	*(2E-10, 2E-09)*	3E-09	*(3E-10, 4E-09)*	8E-09	*(4E-09, 9E-09)*
Additive Risk	6E-09	*(5E-09, 1E-08)*	6E-08	*(3E-08, 6E-08)*	7E-08	*(3E-08, 1E-07)*	3E-07	*(8E-08, 5E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 4E-11)*	4E-10	*(6E-11, 7E-10)*	9E-10	*(2E-10, 1E-09)*	2E-09	*
ARSENIC	2E-11	*(9E-12, 1E-10)*	7E-09	*(3E-10, 1E-08)*	2E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 7E-08)*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	3E-11	*(9E-12, 4E-11)*	5E-11	*(2E-11, 8E-11)*	1E-10	*
CADMIUM	2E-11	*(1E-11, 3E-11)*	3E-10	*(7E-11, 2E-09)*	4E-09	*(2E-10, 7E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	7E-09	*(3E-09, 8E-09)*
NICKEL	9E-12	*(3E-12, 3E-11)*	4E-10	*(1E-10, 8E-10)*	1E-09	*(2E-10, 2E-09)*	5E-09	*(3E-09, 6E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	1E-08	*(2E-09, 2E-08)*	3E-08	*(7E-09, 4E-08)*	8E-08	*(5E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	7E-09	*(4E-09, 7E-08)*	5E-06	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 6E-07)*	3E-05	*(3E-06, 4E-05)*	5E-05	*(5E-06, 8E-05)*	*	*
BARIUM	1E-09	*(3E-10, 7E-09)*	1E-07	*(4E-08, 3E-07)*	3E-07	*(7E-08, 6E-07)*	1E-06	*(4E-07, 2E-06)*
BERYLLIUM	1E-08	*(3E-09, 2E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 1E-07)*	*	*
CADMIUM	2E-06	*(7E-07, 5E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(1E-04, 5E-04)*	*	*
CHROMIUM (III)	5E-11	*(1E-11, 2E-10)*	6E-09	*(6E-10, 1E-08)*	1E-08	*(4E-09, 2E-08)*	9E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*	*	*	*	*
COBALT	1E-09	*(1E-10, 2E-09)*	1E-08	*(2E-09, 7E-08)*	7E-08	*(3E-09, 8E-08)*	8E-08	*
MANGANESE	3E-09	*(4E-10, 5E-09)*	4E-08	*(6E-09, 1E-07)*	1E-07	*(9E-09, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	2E-08	*(7E-09, 3E-07)*	9E-06	*(5E-07, 3E-05)*	3E-05	*(2E-06, 8E-05)*	1E-04	*
MERCURY (METHYL)	2E-05	*(6E-06, 5E-05)*	4E-03	*(1E-04, 3E-02)*	2E-02	*(4E-04, 6E-02)*	*	*
NICKEL	4E-09	*(2E-09, 6E-09)*	4E-07	*(5E-08, 5E-07)*	5E-07	*(7E-08, 5E-07)*	9E-07	*(4E-07, 1E-06)*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	5E-10	*(2E-11, 6E-10)*	1E-08	*	*	*	*	*
THALLIUM	9E-07	*(2E-07, 1E-06)*	1E-04	*(2E-05, 2E-04)*	3E-04	*(5E-05, 8E-04)*	*	*
Hazard Index	4E-05	*(3E-05, 3E-04)*	7E-03	*(3E-04, 6E-02)*	6E-02	*(3E-03, 1E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(2E-05, 2E-04)*	1E-03	*(4E-04, 6E-03)*	6E-03	*(6E-04, 1E-02)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(6E-06, 8E-05)*	4E-04	*(1E-04, 6E-04)*	6E-04	*(3E-04, 1E-03)*	2E-03	*
MANGANESE	4E-05	*(3E-05, 7E-05)*	4E-04	*(1E-04, 7E-04)*	1E-03	*(2E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 2E-06)*	3E-05	*(4E-06, 9E-05)*	1E-04	*(9E-06, 3E-04)*	4E-04	*(2E-04, 5E-04)*
Hazard Index	2E-04	*(2E-04, 5E-04)*	3E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	*	*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(1E-03, 5E-03)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B167. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(5E-09, 6E-08)*	5E-07	*(1E-07, 9E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*
ARSENIC	3E-11	*(7E-12, 3E-10)*	7E-09	*(1E-09, 1E-08)*	2E-08	*(5E-09, 3E-08)*	7E-08	*(4E-08, 8E-08)*
Additive Risk	1E-08	*(5E-09, 7E-08)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(5E-07, 2E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 9E-11)*	6E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*
ARSENIC	3E-11	*(1E-11, 6E-10)*	1E-08	*(2E-09, 2E-08)*	2E-08	*(6E-09, 4E-08)*	1E-07	*(5E-08, 1E-07)*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	4E-11	*(1E-11, 6E-11)*	7E-11	*(3E-11, 1E-10)*	1E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	5E-10	*(1E-10, 2E-09)*	5E-09	*(5E-10, 7E-09)*	4E-08	*(2E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	8E-09	*(4E-09, 1E-08)*
NICKEL	2E-11	*(5E-12, 5E-11)*	5E-10	*(2E-10, 1E-09)*	2E-09	*(4E-10, 3E-09)*	7E-09	*(6E-09, 8E-09)*
Additive Risk	5E-10	*(3E-10, 2E-09)*	1E-08	*(4E-09, 3E-08)*	4E-08	*(1E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 5E-07)*	3E-04	*(2E-06, 1E-03)*	1E-03	*(2E-05, 2E-03)*	3E-03	*(4E-04, 3E-03)*
ARSENIC	3E-07	*(6E-08, 3E-06)*	7E-05	*(9E-06, 1E-04)*	2E-04	*(5E-05, 3E-04)*	7E-04	*(4E-04, 8E-04)*
BARIUM	1E-08	*(2E-09, 4E-08)*	6E-07	*(2E-07, 1E-06)*	2E-06	*(4E-07, 3E-06)*	8E-06	*(4E-06, 9E-06)*
BERYLLIUM	4E-09	*(1E-09, 8E-09)*	5E-08	*(2E-08, 9E-08)*	1E-07	*(4E-08, 2E-07)*	4E-07	*
CADMIUM	4E-06	*(1E-06, 9E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*(7E-05, 6E-04)*	3E-03	*(9E-04, 4E-03)*
CHROMIUM (III)	6E-10	*(1E-10, 3E-09)*	6E-08	*(1E-08, 1E-07)*	2E-07	*(5E-08, 3E-07)*	9E-07	*(7E-07, 1E-06)*
CHROMIUM (VI)	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(3E-07, 1E-06)*	3E-06	*(1E-06, 6E-06)*
COBALT	2E-08	*(9E-09, 5E-08)*	4E-07	*(9E-08, 8E-07)*	9E-07	*(3E-07, 2E-06)*	4E-06	*(2E-06, 5E-06)*
MANGANESE	2E-08	*(9E-09, 4E-08)*	4E-07	*(8E-08, 8E-07)*	9E-07	*(2E-07, 1E-06)*	3E-06	*(1E-06, 3E-06)*
MERCURY (DIVALENT)	1E-05	*(7E-06, 9E-05)*	8E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*
MERCURY (METHYL)	1E-04	*(9E-06, 3E-04)*	1E-03	*	*	*	*	*
NICKEL	3E-08	*(1E-08, 1E-07)*	1E-06	*(6E-07, 4E-06)*	6E-06	*(1E-06, 9E-06)*	5E-05	*(3E-05, 5E-05)*
SELENIUM	3E-06	*(3E-07, 9E-06)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	2E-07	*(5E-08, 8E-07)*	9E-06	*(3E-06, 2E-05)*	3E-05	*(7E-06, 6E-05)*	1E-04	*(4E-05, 2E-04)*
THALLIUM	2E-06	*(6E-07, 7E-06)*	7E-04	*(3E-05, 1E-03)*	2E-03	*(6E-04, 3E-03)*	3E-02	*(8E-03, 5E-02)*
Hazard Index	2E-04	*(3E-05, 9E-04)*	1E-02	*(2E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	5E-02	*(1E-02, 6E-02)*
Non-Cancer - Inhalation								
BARIUM	1E-06	*(2E-07, 4E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
CHLORINE (CL2)	6E-05	*(3E-05, 2E-04)*	1E-03	*(3E-04, 5E-03)*	5E-03	*(6E-04, 9E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(6E-06, 8E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(3E-04, 9E-04)*	2E-03	*
MANGANESE	5E-05	*(3E-05, 8E-05)*	4E-04	*(2E-04, 7E-04)*	1E-03	*(3E-04, 1E-03)*	3E-03	*(1E-03, 3E-03)*
MERCURY (ELEMENTAL)	2E-06	*(8E-07, 4E-06)*	8E-05	*(1E-05, 2E-04)*	2E-04	*(4E-05, 3E-04)*	4E-04	*(2E-04, 5E-04)*
Hazard Index	3E-04	*(2E-04, 4E-04)*	2E-03	*(8E-04, 7E-03)*	7E-03	*(1E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(8E-05, 1E-03)*	9E-03	*(2E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	4E-02	*
TCDD-TEQ	2E-04	*(9E-05, 1E-03)*	1E-02	*(3E-03, 2E-02)*	2E-02	*(8E-03, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B168. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Area Source Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(8E-09, 1E-08)*	9E-08	*(5E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	*	*
ARSENIC	1E-11	*(4E-12, 5E-11)*	3E-09	*(3E-10, 5E-09)*	5E-09	*(5E-10, 9E-09)*	*	*
Additive Risk	1E-08	*(8E-09, 2E-08)*	1E-07	*(6E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 4E-11)*	4E-10	*(6E-11, 7E-10)*	9E-10	*(2E-10, 1E-09)*	2E-09	*
ARSENIC	2E-11	*(9E-12, 1E-10)*	7E-09	*(3E-10, 1E-08)*	2E-08	*(3E-09, 3E-08)*	6E-08	*(3E-08, 7E-08)*
BERYLLIUM	3E-12	*(2E-12, 6E-12)*	3E-11	*(9E-12, 4E-11)*	5E-11	*(2E-11, 8E-11)*	1E-10	*
CADMIUM	2E-11	*(1E-11, 3E-11)*	3E-10	*(7E-11, 2E-09)*	3E-09	*(2E-10, 7E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 1E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	7E-09	*(2E-09, 8E-09)*
NICKEL	9E-12	*(3E-12, 3E-11)*	4E-10	*(1E-10, 7E-10)*	1E-09	*(2E-10, 2E-09)*	5E-09	*(3E-09, 5E-09)*
Additive Risk	3E-10	*(2E-10, 1E-09)*	1E-08	*(2E-09, 2E-08)*	3E-08	*(7E-09, 4E-08)*	8E-08	*(5E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	7E-09	*(2E-09, 8E-08)*	4E-06	*	*	*	*	*
ARSENIC	1E-07	*(4E-08, 5E-07)*	2E-05	*(3E-06, 5E-05)*	5E-05	*(5E-06, 8E-05)*	*	*
BARIUM	7E-10	*(2E-10, 3E-09)*	9E-08	*(1E-08, 1E-07)*	1E-07	*(3E-08, 2E-07)*	7E-07	*(2E-07, 8E-07)*
BERYLLIUM	1E-08	*(2E-09, 2E-08)*	5E-08	*(4E-08, 9E-08)*	9E-08	*(5E-08, 1E-07)*	*	*
CADMIUM	2E-06	*(7E-07, 5E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(1E-04, 5E-04)*	*	*
CHROMIUM (III)	2E-11	*(7E-12, 9E-11)*	2E-09	*(2E-10, 5E-09)*	7E-09	*(1E-09, 1E-08)*	3E-08	*(2E-08, 4E-08)*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*	*	*	*	*
COBALT	8E-10	*(4E-11, 2E-09)*	7E-09	*(2E-09, 5E-08)*	5E-08	*(3E-09, 7E-08)*	9E-08	*
MANGANESE	3E-09	*(2E-10, 5E-09)*	2E-08	*(5E-09, 1E-07)*	1E-07	*(8E-09, 2E-07)*	2E-07	*
MERCURY (DIVALENT)	8E-09	*(3E-09, 1E-07)*	3E-06	*(2E-07, 1E-05)*	1E-05	*(8E-07, 3E-05)*	6E-05	*
MERCURY (METHYL)	2E-05	*(6E-06, 5E-05)*	4E-03	*(1E-04, 3E-02)*	2E-02	*(4E-04, 6E-02)*	*	*
NICKEL	4E-09	*(2E-09, 6E-09)*	4E-07	*(4E-08, 5E-07)*	5E-07	*(6E-08, 6E-07)*	*	*
SELENIUM	9E-07	*(7E-08, 2E-06)*	7E-05	*(2E-05, 9E-05)*	1E-04	*(6E-05, 2E-04)*	*	*
SILVER	3E-10	*(9E-12, 6E-10)*	1E-08	*	*	*	*	*
THALLIUM	9E-07	*(2E-07, 1E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*(5E-05, 8E-04)*	*	*
Hazard Index	4E-05	*(3E-05, 3E-04)*	7E-03	*(3E-04, 6E-02)*	6E-02	*(3E-03, 1E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(1E-07, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*(7E-05, 2E-04)*
CHLORINE (CL2)	4E-05	*(2E-05, 1E-04)*	1E-03	*(3E-04, 4E-03)*	4E-03	*(4E-04, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	1E-05	*(4E-06, 5E-05)*	3E-04	*(8E-05, 4E-04)*	4E-04	*(2E-04, 8E-04)*	2E-03	*
MANGANESE	3E-05	*(2E-05, 5E-05)*	3E-04	*(1E-04, 5E-04)*	6E-04	*(1E-04, 7E-04)*	2E-03	*(8E-04, 2E-03)*
MERCURY (ELEMENTAL)	9E-07	*(5E-07, 2E-06)*	2E-05	*(3E-06, 6E-05)*	8E-05	*(6E-06, 2E-04)*	3E-04	*(1E-04, 3E-04)*
Hazard Index	2E-04	*(1E-04, 3E-04)*	2E-03	*(5E-04, 5E-03)*	5E-03	*(7E-04, 9E-03)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(1E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	*	*
TCDD-TEQ	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(1E-03, 5E-03)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B169. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(2E-07, 4E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	6E-06	*(5E-06, 7E-06)*
ARSENIC	8E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(9E-08, 1E-07)*
Additive Risk	4E-07	*(2E-07, 5E-07)*	3E-06	*(2E-06, 4E-06)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(5E-06, 7E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 3E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 4E-09)*
ARSENIC	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(8E-12, 1E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 2E-09)*	5E-09	*(2E-10, 6E-09)*
CADMIUM	1E-10	*(9E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(6E-09, 7E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	4E-11	*(3E-11, 6E-11)*	8E-10	*(6E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	7E-09	*(7E-09, 7E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-06	*(1E-06, 4E-05)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(2E-03, 9E-03)*	1E-02	*
ARSENIC	2E-05	*(8E-06, 4E-05)*	4E-04	*(3E-04, 6E-04)*	8E-04	*(6E-04, 9E-04)*	3E-03	*(3E-03, 3E-03)*
BARIUM	7E-07	*(3E-07, 9E-07)*	1E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 3E-05)*	1E-04	*(9E-05, 1E-04)*
BERYLLIUM	5E-08	*(3E-08, 9E-08)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 6E-06)*	3E-05	*(2E-06, 6E-05)*
CADMIUM	2E-05	*(1E-05, 3E-05)*	4E-04	*(3E-04, 5E-04)*	1E-03	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	8E-08	*(5E-08, 9E-08)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	8E-06	*(7E-06, 8E-06)*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	4E-06	*(2E-06, 6E-06)*	8E-06	*(7E-06, 9E-06)*	5E-05	*(4E-05, 5E-05)*
COBALT	5E-07	*(3E-07, 8E-07)*	7E-06	*(5E-06, 8E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(2E-05, 3E-05)*
MANGANESE	4E-07	*(2E-07, 7E-07)*	5E-06	*(4E-06, 6E-06)*	8E-06	*(6E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MERCURY (DIVALENT)	9E-04	*(5E-04, 1E-03)*	8E-03	*(6E-03, 9E-03)*	1E-02	*(9E-03, 1E-02)*	2E-02	*
MERCURY (METHYL)	2E-03	*(1E-03, 3E-03)*	2E-02	*	*	*	*	*
NICKEL	7E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	7E-05	*(6E-05, 8E-05)*	3E-04	*(3E-04, 3E-04)*
SELENIUM	5E-05	*(2E-05, 8E-05)*	6E-04	*(5E-04, 9E-04)*	1E-03	*(1E-03, 2E-03)*	9E-03	*(8E-03, 9E-03)*
SILVER	1E-05	*(7E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	4E-04	*(3E-04, 6E-04)*	1E-03	*(1E-03, 2E-03)*
THALLIUM	1E-04	*(4E-05, 3E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(1E-02, 1E-02)*	1E-01	*(1E-01, 2E-01)*
Hazard Index	6E-03	*(4E-03, 8E-03)*	5E-02	*(2E-02, 6E-02)*	6E-02	*(4E-02, 6E-02)*	2E-01	*(2E-01, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 3E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 5E-04)*
Hazard Index	9E-04	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(9E-03, 2E-02)*	1E-01	*(9E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B170. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	4E-07	*
ARSENIC	2E-10	*(8E-11, 5E-10)*	5E-09	*(3E-09, 6E-09)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(1E-08, 2E-08)*
Additive Risk	3E-08	*(2E-08, 3E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 5E-07)*	5E-07	*(5E-07, 5E-07)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 4E-09)*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(7E-11, 6E-10)*	5E-10	*(1E-10, 3E-09)*	5E-09	*(2E-10, 6E-09)*
CADMIUM	1E-10	*(8E-11, 2E-10)*	3E-09	*(2E-09, 4E-09)*	9E-09	*(6E-09, 1E-08)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(2E-09, 2E-09)*	3E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	3E-11	*(2E-11, 5E-11)*	1E-09	*(6E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	7E-09	*(7E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(5E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 3E-06)*	*	*	*	*	*	*
ARSENIC	5E-06	*(2E-06, 1E-05)*	1E-04	*(7E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(4E-04, 4E-04)*
BARIUM	1E-07	*(8E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	9E-06	*(8E-06, 1E-05)*
BERYLLIUM	8E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 4E-06)*	3E-06	*(1E-06, 3E-05)*	5E-05	*(2E-06, 7E-05)*
CADMIUM	4E-06	*(3E-06, 9E-06)*	4E-04	*(1E-04, 6E-04)*	7E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	8E-09	*(5E-09, 1E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(2E-07, 3E-07)*	7E-07	*(6E-07, 7E-07)*
CHROMIUM (VI)	2E-08	*(8E-09, 3E-08)*	6E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*
COBALT	4E-09	*(2E-09, 6E-09)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(6E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*
MANGANESE	3E-08	*(1E-08, 6E-08)*	6E-07	*(2E-07, 9E-07)*	9E-07	*	*	*
MERCURY (DIVALENT)	8E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 4E-04)*	4E-04	*(9E-05, 8E-04)*	1E-03	*
MERCURY (METHYL)	3E-04	*(9E-05, 9E-04)*	1E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	2E-08	*(1E-08, 3E-08)*	1E-06	*(4E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	2E-09	*(6E-10, 8E-09)*	1E-06	*(2E-08, 2E-06)*	2E-06	*	*	*
THALLIUM	9E-06	*(2E-06, 8E-05)*	4E-04	*(3E-04, 8E-04)*	2E-03	*(8E-04, 3E-03)*	*	*
Hazard Index	9E-04	*(4E-04, 4E-03)*	2E-02	*(8E-03, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-06	*(3E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 5E-04)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(9E-04, 1E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B171. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 3E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 6E-06)*
ARSENIC	8E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(9E-08, 1E-07)*
Additive Risk	3E-07	*(2E-07, 4E-07)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*	6E-06	*(4E-06, 6E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 5E-09)*
ARSENIC	1E-09	*(6E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(9E-12, 2E-11)*	1E-10	*(7E-11, 2E-10)*	2E-10	*(1E-10, 2E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	1E-10	*(1E-10, 2E-10)*	3E-09	*(1E-09, 3E-09)*	7E-09	*(6E-09, 8E-09)*	6E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	5E-11	*(3E-11, 7E-11)*	9E-10	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	8E-09	*(8E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	4E-08	*(2E-08, 4E-08)*	6E-08	*(5E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-06	*(9E-07, 3E-05)*	2E-03	*(8E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	7E-03	*
ARSENIC	1E-05	*(6E-06, 2E-05)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 7E-04)*	2E-03	*(2E-03, 2E-03)*
BARIUM	3E-07	*(1E-07, 5E-07)*	9E-06	*(5E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	5E-05	*(5E-05, 5E-05)*
BERYLLIUM	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 9E-07)*	9E-07	*(5E-07, 3E-06)*	*	*
CADMIUM	1E-05	*(9E-06, 2E-05)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(6E-04, 1E-03)*	8E-03	*(7E-03, 8E-03)*
CHROMIUM (III)	4E-08	*(2E-08, 6E-08)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*	4E-06	*(4E-06, 4E-06)*
CHROMIUM (VI)	1E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(4E-06, 6E-06)*	2E-05	*(2E-05, 2E-05)*
COBALT	3E-07	*(2E-07, 5E-07)*	4E-06	*(3E-06, 5E-06)*	6E-06	*(5E-06, 6E-06)*	2E-05	*(1E-05, 2E-05)*
MANGANESE	2E-07	*(1E-07, 4E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	9E-06	*(8E-06, 9E-06)*
MERCURY (DIVALENT)	6E-04	*(3E-04, 9E-04)*	5E-03	*(4E-03, 6E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*
MERCURY (METHYL)	1E-03	*(8E-04, 2E-03)*	1E-02	*	*	*	*	*
NICKEL	4E-07	*(3E-07, 8E-07)*	1E-05	*(6E-06, 1E-05)*	4E-05	*(3E-05, 4E-05)*	2E-04	*(2E-04, 2E-04)*
SELENIUM	4E-05	*(2E-05, 6E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(9E-04, 1E-03)*	6E-03	*(5E-03, 6E-03)*
SILVER	6E-06	*(3E-06, 9E-06)*	9E-05	*(5E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(6E-04, 8E-04)*
THALLIUM	9E-05	*(3E-05, 2E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(8E-03, 1E-02)*	8E-02	*(8E-02, 8E-02)*
Hazard Index	4E-03	*(2E-03, 5E-03)*	4E-02	*(2E-02, 4E-02)*	4E-02	*(3E-02, 5E-02)*	1E-01	*(1E-01, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 3E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 5E-04)*
Hazard Index	9E-04	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(5E-03, 1E-02)*	8E-02	*(6E-02, 9E-02)*	1E-01	*(9E-02, 1E-01)*	2E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B172. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(2E-08, 4E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*	*	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	5E-09	*(1E-09, 6E-09)*	7E-09	*(6E-09, 1E-08)*	*	*
Additive Risk	4E-08	*(3E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 5E-09)*
ARSENIC	1E-09	*(6E-10, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 2E-11)*	1E-10	*(8E-11, 7E-10)*	6E-10	*(1E-10, 3E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	1E-10	*(9E-11, 2E-10)*	3E-09	*(2E-09, 5E-09)*	1E-08	*(7E-09, 1E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	4E-11	*(2E-11, 6E-11)*	1E-09	*(7E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	9E-09	*(8E-09, 9E-09)*
Additive Risk	4E-09	*(3E-09, 5E-09)*	4E-08	*(3E-08, 4E-08)*	6E-08	*(5E-08, 7E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 2E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(9E-07, 8E-06)*	8E-05	*(3E-05, 9E-05)*	1E-04	*(9E-05, 2E-04)*	*	*
BARIUM	3E-08	*(2E-08, 8E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*(3E-06, 4E-06)*
BERYLLIUM	3E-08	*(2E-08, 6E-08)*	3E-07	*(2E-07, 1E-06)*	9E-07	*(3E-07, 1E-05)*	3E-05	*(6E-07, 4E-05)*
CADMIUM	4E-06	*(2E-06, 8E-06)*	3E-04	*(1E-04, 6E-04)*	7E-04	*(7E-04, 7E-04)*	*	*
CHROMIUM (III)	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(5E-08, 7E-08)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	9E-09	*(3E-09, 1E-08)*	3E-08	*(2E-08, 5E-08)*	6E-08	*(3E-08, 8E-08)*	9E-08	*(6E-08, 9E-08)*
COBALT	9E-10	*(5E-10, 1E-09)*	1E-08	*(9E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*
MANGANESE	1E-08	*(5E-09, 2E-08)*	3E-07	*(6E-08, 4E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	2E-06	*(9E-07, 3E-06)*	4E-05	*(1E-05, 8E-05)*	8E-05	*(2E-05, 2E-04)*	3E-04	*
MERCURY (METHYL)	3E-04	*(9E-05, 9E-04)*	1E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	9E-09	*(7E-09, 2E-08)*	7E-07	*(2E-07, 8E-07)*	8E-07	*(5E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
SELENIUM	6E-06	*(2E-06, 9E-06)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 7E-04)*	*	*
SILVER	9E-10	*(2E-10, 5E-09)*	5E-07	*(1E-08, 9E-07)*	9E-07	*	*	*
THALLIUM	8E-06	*(1E-06, 6E-05)*	4E-04	*(2E-04, 8E-04)*	1E-03	*(7E-04, 2E-03)*	*	*
Hazard Index	8E-04	*(4E-04, 3E-03)*	2E-02	*(6E-03, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-06	*(3E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 5E-04)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-04	*(7E-04, 1E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B173. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(7E-08, 1E-07)*	9E-07	*(8E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*
ARSENIC	4E-10	*(1E-10, 8E-10)*	9E-09	*(6E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 7E-08)*
Additive Risk	1E-07	*(8E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 2E-10)*	1E-09	*(8E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*
ARSENIC	7E-10	*(4E-10, 1E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(7E-08, 8E-08)*
BERYLLIUM	8E-12	*(6E-12, 1E-11)*	8E-11	*(4E-11, 1E-10)*	2E-10	*(8E-11, 1E-09)*	4E-09	*(1E-10, 4E-09)*
CADMIUM	8E-11	*(7E-11, 1E-10)*	2E-09	*(9E-10, 2E-09)*	4E-09	*(4E-09, 5E-09)*	4E-08	*(3E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(1E-10, 2E-10)*	1E-09	*(9E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*	8E-09	*(7E-09, 8E-09)*
NICKEL	3E-11	*(2E-11, 5E-11)*	6E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	9E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(5E-07, 1E-05)*	1E-03	*(4E-04, 1E-03)*	2E-03	*(8E-04, 2E-03)*	3E-03	*
ARSENIC	7E-06	*(3E-06, 1E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	8E-04	*(8E-04, 8E-04)*
BARIUM	1E-07	*(8E-08, 2E-07)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(5E-06, 8E-06)*	2E-05	*(2E-05, 2E-05)*
BERYLLIUM	1E-08	*(8E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 1E-06)*	5E-06	*(5E-07, 9E-06)*
CADMIUM	9E-06	*(5E-06, 1E-05)*	1E-04	*(1E-04, 2E-04)*	6E-04	*(3E-04, 7E-04)*	4E-03	*(3E-03, 4E-03)*
CHROMIUM (III)	2E-08	*(1E-08, 2E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(5E-07, 7E-07)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	8E-08	*(7E-08, 9E-08)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	8E-06	*(7E-06, 8E-06)*
COBALT	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	8E-06	*(8E-06, 8E-06)*
MANGANESE	1E-07	*(6E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(6E-06, 6E-06)*
MERCURY (DIVALENT)	3E-04	*(1E-04, 4E-04)*	2E-03	*(2E-03, 3E-03)*	3E-03	*(3E-03, 4E-03)*	6E-03	*(5E-03, 6E-03)*
MERCURY (METHYL)	8E-04	*(4E-04, 9E-04)*	6E-03	*	*	*	*	*
NICKEL	2E-07	*(1E-07, 4E-07)*	6E-06	*(3E-06, 8E-06)*	2E-05	*(1E-05, 2E-05)*	9E-05	*(9E-05, 9E-05)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	2E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	3E-06	*(1E-06, 5E-06)*	5E-05	*(2E-05, 7E-05)*	9E-05	*(6E-05, 1E-04)*	3E-04	*(3E-04, 4E-04)*
THALLIUM	5E-05	*(1E-05, 1E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(4E-03, 5E-03)*	5E-02	*(5E-02, 6E-02)*
Hazard Index	2E-03	*(1E-03, 2E-03)*	2E-02	*(8E-03, 2E-02)*	2E-02	*(1E-02, 2E-02)*	7E-02	*(7E-02, 7E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 3E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 5E-04)*
Hazard Index	9E-04	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-03	*(2E-03, 5E-03)*	3E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 4E-02)*	7E-02	*(5E-02, 7E-02)*
TCDD-TEQ	5E-03	*(3E-03, 6E-03)*	4E-02	*(3E-02, 5E-02)*	5E-02	*(4E-02, 6E-02)*	9E-02	*(7E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B174. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	1E-07	*(8E-08, 2E-07)*	2E-07	*	*	*
ARSENIC	1E-10	*(3E-11, 3E-10)*	3E-09	*(9E-10, 4E-09)*	5E-09	*(4E-09, 7E-09)*	9E-09	*(9E-09, 1E-08)*
Additive Risk	3E-08	*(2E-08, 3E-08)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*
ARSENIC	9E-10	*(4E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(7E-08, 8E-08)*
BERYLLIUM	8E-12	*(6E-12, 1E-11)*	1E-10	*(5E-11, 4E-10)*	4E-10	*(9E-11, 2E-09)*	4E-09	*(1E-10, 5E-09)*
CADMIUM	8E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(4E-09, 8E-09)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 4E-09)*	8E-09	*(8E-09, 8E-09)*
NICKEL	3E-11	*(1E-11, 4E-11)*	7E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	8E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(7E-08, 1E-06)*	*	*	*	*	*	*
ARSENIC	3E-06	*(5E-07, 6E-06)*	7E-05	*(1E-05, 8E-05)*	9E-05	*(7E-05, 1E-04)*	*	*
BARIUM	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	2E-06	*(1E-06, 2E-06)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 6E-07)*	6E-07	*(2E-07, 1E-05)*	*	*
CADMIUM	2E-06	*(1E-06, 5E-06)*	3E-04	*(9E-05, 4E-04)*	5E-04	*(5E-04, 5E-04)*	*	*
CHROMIUM (III)	1E-09	*(7E-10, 1E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	6E-09	*(2E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*	*	*
COBALT	3E-09	*(9E-10, 5E-09)*	7E-08	*(9E-09, 8E-08)*	9E-08	*	*	*
MANGANESE	9E-09	*(3E-09, 1E-08)*	2E-07	*(3E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	9E-07	*(5E-07, 2E-06)*	2E-05	*(8E-06, 6E-05)*	6E-05	*(1E-05, 1E-04)*	2E-04	*
MERCURY (METHYL)	2E-04	*(6E-05, 8E-04)*	8E-03	*(2E-03, 4E-02)*	4E-02	*	*	*
NICKEL	6E-09	*(4E-09, 1E-08)*	4E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(9E-07, 1E-06)*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	5E-10	*(1E-10, 3E-09)*	3E-07	*(9E-09, 6E-07)*	5E-07	*	*	*
THALLIUM	8E-06	*(1E-06, 4E-05)*	3E-04	*(2E-04, 5E-04)*	1E-03	*(4E-04, 2E-03)*	*	*
Hazard Index	6E-04	*(3E-04, 2E-03)*	1E-02	*(5E-03, 6E-02)*	6E-02	*(9E-03, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	7E-06	*(4E-06, 1E-05)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(8E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	3E-04	*(5E-05, 1E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	7E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(4E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	7E-06	*(3E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 5E-04)*
Hazard Index	1E-03	*(7E-04, 2E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	7E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(4E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*	*	*
TCDD-TEQ	1E-03	*(5E-04, 1E-03)*	5E-03	*(3E-03, 8E-03)*	8E-03	*(5E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B175. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(8E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*
ARSENIC	8E-10	*(3E-10, 1E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
Additive Risk	2E-07	*(9E-08, 2E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*(3E-09, 4E-09)*
ARSENIC	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(9E-12, 2E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 2E-09)*	6E-09	*(2E-10, 6E-09)*
CADMIUM	1E-10	*(1E-10, 2E-10)*	3E-09	*(1E-09, 3E-09)*	7E-09	*(6E-09, 8E-09)*	5E-08	*(5E-08, 5E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	5E-11	*(3E-11, 7E-11)*	9E-10	*(6E-10, 1E-09)*	3E-09	*(3E-09, 3E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(5E-08, 6E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 1E-05)*	1E-03	*(2E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	3E-03	*
ARSENIC	7E-06	*(3E-06, 1E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*	8E-04	*(8E-04, 8E-04)*
BARIUM	8E-08	*(4E-08, 1E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
BERYLLIUM	9E-09	*(6E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 1E-06)*	*	*
CADMIUM	9E-06	*(6E-06, 1E-05)*	2E-04	*(1E-04, 2E-04)*	6E-04	*(3E-04, 7E-04)*	4E-03	*(3E-03, 4E-03)*
CHROMIUM (III)	9E-09	*(7E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(3E-07, 4E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	5E-08	*(4E-08, 6E-08)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	5E-06	*(5E-06, 6E-06)*
COBALT	9E-08	*(6E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 5E-06)*
MANGANESE	9E-08	*(4E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*
MERCURY (DIVALENT)	2E-04	*(9E-05, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (METHYL)	6E-04	*(3E-04, 9E-04)*	4E-03	*	*	*	*	*
NICKEL	1E-07	*(9E-08, 2E-07)*	3E-06	*(2E-06, 5E-06)*	9E-06	*(8E-06, 1E-05)*	5E-05	*(5E-05, 5E-05)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
SILVER	1E-06	*(7E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 6E-05)*	2E-04	*(1E-04, 2E-04)*
THALLIUM	5E-05	*(1E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	4E-03	*(3E-03, 5E-03)*	4E-02	*(4E-02, 5E-02)*
Hazard Index	2E-03	*(1E-03, 2E-03)*	2E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 2E-02)*	6E-02	*(6E-02, 6E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	5E-05	*(4E-05, 8E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 3E-04)*
CHLORINE (CL2)	1E-04	*(5E-05, 6E-04)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(8E-03, 4E-02)*	5E-02	*(2E-02, 1E-01)*
HYDROGEN CHLORIDE (HCL)	1E-04	*(5E-05, 1E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(3E-03, 4E-03)*
MANGANESE	1E-04	*(1E-04, 2E-04)*	1E-03	*(8E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	1E-05	*(4E-06, 3E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(5E-04, 5E-04)*
Hazard Index	9E-04	*(5E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*(3E-02, 1E-01)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(1E-03, 3E-03)*	2E-02	*(2E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*	5E-02	*(4E-02, 6E-02)*
TCDD-TEQ	3E-03	*(2E-03, 4E-03)*	2E-02	*(2E-02, 3E-02)*	3E-02	*(3E-02, 4E-02)*	5E-02	*(5E-02, 6E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B176. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 6E-08)*	3E-07	*(1E-07, 4E-07)*	4E-07	*(3E-07, 7E-07)*	*	*
ARSENIC	2E-10	*(5E-11, 6E-10)*	6E-09	*(2E-09, 9E-09)*	9E-09	*(7E-09, 1E-08)*	*	*
Additive Risk	5E-08	*(4E-08, 6E-08)*	3E-07	*(2E-07, 4E-07)*	4E-07	*(3E-07, 7E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 3E-09)*
ARSENIC	9E-10	*(4E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	7E-08	*(7E-08, 8E-08)*
BERYLLIUM	8E-12	*(6E-12, 1E-11)*	9E-11	*(5E-11, 4E-10)*	4E-10	*(8E-11, 2E-09)*	4E-09	*(1E-10, 5E-09)*
CADMIUM	8E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	7E-09	*(4E-09, 8E-09)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 4E-09)*	8E-09	*(8E-09, 8E-09)*
NICKEL	3E-11	*(1E-11, 4E-11)*	7E-10	*(4E-10, 8E-10)*	2E-09	*(2E-09, 2E-09)*	5E-09	*(5E-09, 6E-09)*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*	8E-08	*(8E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(8E-08, 1E-06)*	*	*	*	*	*	*
ARSENIC	2E-06	*(4E-07, 5E-06)*	7E-05	*(1E-05, 8E-05)*	8E-05	*(7E-05, 9E-05)*	*	*
BARIUM	9E-09	*(7E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	8E-07	*(7E-07, 8E-07)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	1E-07	*(9E-08, 3E-07)*	3E-07	*(1E-07, 9E-06)*	2E-05	*
CADMIUM	2E-06	*(1E-06, 5E-06)*	2E-04	*(8E-05, 4E-04)*	5E-04	*(5E-04, 5E-04)*	*	*
CHROMIUM (III)	5E-10	*(3E-10, 7E-10)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(9E-09, 1E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	4E-09	*(1E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*	*	*
COBALT	2E-09	*(5E-10, 4E-09)*	6E-08	*(6E-09, 9E-08)*	9E-08	*	*	*
MANGANESE	7E-09	*(1E-09, 1E-08)*	1E-07	*(2E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	4E-07	*(2E-07, 7E-07)*	8E-06	*(3E-06, 2E-05)*	2E-05	*(5E-06, 5E-05)*	7E-05	*
MERCURY (METHYL)	2E-04	*(6E-05, 8E-04)*	8E-03	*(2E-03, 4E-02)*	4E-02	*	*	*
NICKEL	6E-09	*(4E-09, 9E-09)*	5E-07	*(1E-07, 5E-07)*	6E-07	*(2E-07, 7E-07)*	*	*
SELENIUM	4E-06	*(1E-06, 7E-06)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	*	*
SILVER	4E-10	*(1E-10, 4E-09)*	4E-07	*(1E-08, 6E-07)*	6E-07	*	*	*
THALLIUM	7E-06	*(9E-07, 3E-05)*	3E-04	*(2E-04, 5E-04)*	1E-03	*(4E-04, 2E-03)*	*	*
Hazard Index	6E-04	*(3E-04, 2E-03)*	1E-02	*(5E-03, 6E-02)*	6E-02	*(9E-03, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	5E-06	*(3E-06, 9E-06)*	4E-05	*(3E-05, 6E-05)*	7E-05	*(5E-05, 8E-05)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-04	*(3E-05, 9E-04)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(3E-05, 1E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*
MANGANESE	1E-04	*(7E-05, 2E-04)*	7E-04	*(6E-04, 7E-04)*	1E-03	*(7E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (ELEMENTAL)	4E-06	*(2E-06, 1E-05)*	1E-04	*(6E-05, 2E-04)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
Hazard Index	8E-04	*(4E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(5E-04, 1E-03)*	5E-03	*(3E-03, 7E-03)*	8E-03	*	*	*
TCDD-TEQ	1E-03	*(5E-04, 1E-03)*	5E-03	*(3E-03, 8E-03)*	8E-03	*(5E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B177. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(7E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
ARSENIC	5E-10	*(3E-10, 9E-10)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 3E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(6E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	2E-09	*
ARSENIC	6E-10	*(3E-10, 2E-09)*	2E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	1E-11	*(6E-12, 4E-11)*	6E-10	*(2E-10, 1E-09)*	1E-09	*(4E-10, 1E-09)*	2E-09	*
CADMIUM	5E-10	*(3E-10, 8E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	7E-09	*(5E-09, 9E-09)*	4E-08	*(4E-08, 5E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(7E-06, 1E-04)*	2E-03	*(9E-04, 9E-03)*	8E-03	*	*	*
ARSENIC	1E-05	*(8E-06, 2E-05)*	6E-04	*(3E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(8E-04, 1E-03)*
BARIUM	3E-07	*(2E-07, 6E-07)*	6E-06	*(3E-06, 2E-05)*	3E-05	*(6E-06, 5E-05)*	9E-05	*(5E-05, 1E-04)*
BERYLLIUM	9E-08	*(3E-08, 2E-07)*	7E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	4E-05	*
CADMIUM	9E-05	*(6E-05, 2E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 4E-03)*	9E-03	*(4E-03, 1E-02)*
CHROMIUM (III)	1E-07	*(9E-08, 1E-07)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(4E-06, 7E-06)*
CHROMIUM (VI)	7E-06	*(4E-06, 1E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
COBALT	2E-07	*(2E-07, 3E-07)*	2E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*
MANGANESE	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 7E-06)*
MERCURY (DIVALENT)	8E-04	*(4E-04, 9E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(4E-03, 1E-02)*	*	*
MERCURY (METHYL)	1E-03	*(1E-03, 2E-03)*	3E-02	*	9E-02	*	*	*
NICKEL	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	7E-05	*(3E-05, 9E-05)*	1E-04	*
SELENIUM	5E-05	*(3E-05, 9E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	7E-03	*(2E-03, 9E-03)*
SILVER	4E-06	*(2E-06, 8E-06)*	1E-04	*(4E-05, 1E-03)*	6E-04	*(8E-05, 6E-03)*	1E-02	*
THALLIUM	1E-05	*(6E-06, 3E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(4E-04, 4E-03)*	9E-03	*(1E-03, 1E-02)*
Hazard Index	4E-03	*(4E-03, 6E-03)*	9E-02	*(2E-02, 2E-01)*	1E-01	*(3E-02, 2E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-03	*(3E-03, 9E-03)*	8E-02	*(5E-02, 9E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B178. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(7E-09, 9E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(7E-07, 2E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*	*	*	*	*
Additive Risk	3E-08	*(8E-09, 1E-07)*	6E-07	*(3E-07, 9E-07)*	1E-06	*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(5E-11, 1E-10)*	8E-10	*(5E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
ARSENIC	9E-10	*(4E-10, 2E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	1E-11	*(5E-12, 3E-11)*	5E-10	*(2E-10, 7E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*
CADMIUM	5E-10	*(4E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(5E-11, 1E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 5E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(3E-07, 3E-06)*	2E-03	*	*	*	*	*
ARSENIC	5E-06	*(3E-06, 9E-06)*	4E-04	*(5E-05, 6E-04)*	5E-04	*(3E-04, 6E-04)*	7E-04	*
BARIUM	6E-08	*(4E-08, 9E-08)*	9E-07	*(4E-07, 3E-06)*	4E-06	*(8E-07, 8E-06)*	1E-05	*(8E-06, 1E-05)*
BERYLLIUM	1E-07	*(4E-08, 3E-07)*	5E-06	*(1E-06, 2E-05)*	2E-05	*(3E-06, 3E-05)*	4E-05	*(9E-06, 5E-05)*
CADMIUM	4E-05	*(1E-05, 6E-05)*	1E-03	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-08	*(9E-09, 1E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	1E-07	*(6E-08, 1E-06)*	6E-06	*	*	*	*	*
COBALT	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
MANGANESE	2E-08	*(1E-08, 8E-08)*	4E-07	*(1E-07, 5E-07)*	4E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 5E-06)*	1E-04	*(2E-05, 5E-04)*	5E-04	*(5E-05, 1E-03)*	2E-03	*
MERCURY (METHYL)	6E-06	*(4E-07, 1E-04)*	2E-03	*(8E-04, 5E-02)*	5E-02	*(2E-03, 1E-01)*	*	*
NICKEL	1E-07	*(5E-08, 5E-07)*	3E-06	*(9E-07, 5E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	9E-10	*(3E-10, 1E-08)*	4E-07	*	1E-06	*	*	*
THALLIUM	2E-06	*(1E-06, 3E-06)*	6E-05	*(2E-05, 8E-04)*	9E-04	*(5E-05, 1E-03)*	2E-03	*(1E-04, 2E-03)*
Hazard Index	6E-04	*(2E-04, 1E-03)*	1E-02	*(4E-03, 6E-02)*	6E-02	*(9E-03, 2E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-04	*(3E-04, 4E-03)*	3E-02	*(1E-02, 4E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B179. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(6E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	5E-10	*(2E-10, 9E-10)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(7E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 2E-10)*	1E-09	*(6E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	3E-09	*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
BERYLLIUM	2E-11	*(6E-12, 4E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*
CADMIUM	6E-10	*(4E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-05	*(4E-06, 9E-05)*	1E-03	*(6E-04, 6E-03)*	5E-03	*(9E-04, 9E-03)*	*	*
ARSENIC	8E-06	*(5E-06, 2E-05)*	3E-04	*(1E-04, 4E-04)*	4E-04	*(3E-04, 6E-04)*	8E-04	*
BARIUM	1E-07	*(9E-08, 3E-07)*	3E-06	*(1E-06, 9E-06)*	1E-05	*(3E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*
BERYLLIUM	5E-08	*(1E-08, 1E-07)*	3E-06	*(8E-07, 1E-05)*	1E-05	*(1E-06, 1E-05)*	2E-05	*(6E-06, 2E-05)*
CADMIUM	8E-05	*(4E-05, 1E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	8E-03	*
CHROMIUM (III)	7E-08	*(5E-08, 9E-08)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	3E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	4E-06	*(2E-06, 6E-06)*	4E-05	*(2E-05, 6E-05)*	7E-05	*(4E-05, 9E-05)*	2E-04	*
COBALT	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 6E-06)*
MANGANESE	1E-07	*(1E-07, 2E-07)*	1E-06	*(8E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
MERCURY (DIVALENT)	4E-04	*(2E-04, 6E-04)*	2E-03	*(1E-03, 4E-03)*	5E-03	*(3E-03, 6E-03)*	*	*
MERCURY (METHYL)	9E-04	*(9E-04, 1E-03)*	1E-02	*	7E-02	*	*	*
NICKEL	1E-06	*(8E-07, 2E-06)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*	8E-05	*(6E-05, 9E-05)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(6E-04, 3E-03)*	5E-03	*(2E-03, 8E-03)*
SILVER	2E-06	*(1E-06, 4E-06)*	6E-05	*(2E-05, 8E-04)*	4E-04	*(4E-05, 3E-03)*	8E-03	*(8E-05, 1E-02)*
THALLIUM	9E-06	*(4E-06, 2E-05)*	5E-04	*(1E-04, 9E-04)*	1E-03	*(3E-04, 3E-03)*	6E-03	*(7E-04, 7E-03)*
Hazard Index	3E-03	*(2E-03, 4E-03)*	7E-02	*(1E-02, 1E-01)*	8E-02	*(2E-02, 1E-01)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 6E-03)*	4E-02	*(3E-02, 6E-02)*	7E-02	*(4E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B180. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(8E-09, 1E-07)*	8E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	*	*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 1E-07)*	8E-07	*(4E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(5E-11, 2E-10)*	9E-10	*(6E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	3E-09	*
ARSENIC	1E-09	*(5E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	1E-11	*(5E-12, 3E-11)*	6E-10	*(2E-10, 8E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	6E-10	*(4E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	2E-08	*(7E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	6E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(9E-08, 1E-06)*	7E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 6E-06)*	2E-04	*(4E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	4E-04	*
BARIUM	2E-08	*(1E-08, 3E-08)*	3E-07	*(1E-07, 8E-07)*	9E-07	*(2E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
BERYLLIUM	6E-08	*(1E-08, 1E-07)*	2E-06	*(5E-07, 1E-05)*	8E-06	*(1E-06, 2E-05)*	2E-05	*(5E-06, 3E-05)*
CADMIUM	3E-05	*(1E-05, 5E-05)*	8E-04	*(4E-04, 9E-04)*	1E-03	*(8E-04, 2E-03)*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 8E-08)*	*	*
CHROMIUM (VI)	8E-08	*(3E-08, 6E-07)*	4E-06	*	*	*	*	*
COBALT	5E-10	*(4E-10, 7E-10)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 9E-09)*	1E-08	*
MANGANESE	8E-09	*(4E-09, 3E-08)*	2E-07	*(7E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
MERCURY (DIVALENT)	8E-07	*(5E-07, 1E-06)*	3E-05	*(6E-06, 1E-04)*	1E-04	*(1E-05, 4E-04)*	6E-04	*(6E-05, 8E-04)*
MERCURY (METHYL)	6E-06	*(9E-08, 1E-04)*	2E-03	*(8E-04, 5E-02)*	5E-02	*(2E-03, 1E-01)*	*	*
NICKEL	9E-08	*(1E-08, 2E-07)*	2E-06	*	2E-06	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 9E-04)*	1E-03	*	*	*
SILVER	4E-10	*(1E-10, 7E-09)*	2E-07	*	6E-07	*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	5E-05	*(1E-05, 4E-04)*	4E-04	*	*	*
Hazard Index	4E-04	*(2E-04, 9E-04)*	1E-02	*(3E-03, 6E-02)*	6E-02	*(8E-03, 2E-01)*	5E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(3E-04, 4E-03)*	3E-02	*(1E-02, 4E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B181. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(2E-08, 9E-08)*	6E-07	*(4E-07, 9E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	1E-08	*(7E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*
Additive Risk	6E-08	*(3E-08, 9E-08)*	6E-07	*(4E-07, 9E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	6E-10	*(4E-10, 8E-10)*	1E-09	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	1E-11	*(4E-12, 3E-11)*	5E-10	*(1E-10, 8E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*
CADMIUM	4E-10	*(2E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(2E-09, 3E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(5E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
Additive Risk	5E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-06	*(2E-06, 5E-05)*	9E-04	*(3E-04, 3E-03)*	3E-03	*(6E-04, 5E-03)*	6E-03	*
ARSENIC	4E-06	*(3E-06, 9E-06)*	2E-04	*(8E-05, 2E-04)*	3E-04	*(1E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	7E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 5E-06)*	7E-06	*(1E-06, 9E-06)*	2E-05	*(9E-06, 3E-05)*
BERYLLIUM	2E-08	*(8E-09, 7E-08)*	1E-06	*(4E-07, 9E-06)*	8E-06	*(9E-07, 1E-05)*	1E-05	*(3E-06, 1E-05)*
CADMIUM	4E-05	*(2E-05, 9E-05)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	4E-03	*(2E-03, 5E-03)*
CHROMIUM (III)	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 4E-07)*	5E-07	*(3E-07, 9E-07)*	1E-06	*
CHROMIUM (VI)	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	8E-05	*
COBALT	8E-08	*(6E-08, 9E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
MANGANESE	8E-08	*(6E-08, 1E-07)*	5E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MERCURY (METHYL)	5E-04	*(4E-04, 7E-04)*	6E-03	*	4E-02	*	*	*
NICKEL	8E-07	*(4E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	1E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 1E-03)*	3E-03	*(8E-04, 4E-03)*
SILVER	9E-07	*(6E-07, 1E-06)*	2E-05	*(9E-06, 4E-04)*	2E-04	*(2E-05, 1E-03)*	4E-03	*(3E-05, 5E-03)*
THALLIUM	4E-06	*(2E-06, 9E-06)*	2E-04	*(7E-05, 6E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 4E-03)*
Hazard Index	1E-03	*(1E-03, 2E-03)*	4E-02	*(6E-03, 7E-02)*	5E-02	*(9E-03, 7E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(8E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 6E-02)*
TCDD-TEQ	2E-03	*(1E-03, 3E-03)*	2E-02	*(2E-02, 3E-02)*	3E-02	*(2E-02, 4E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B182. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(7E-07, 2E-06)*	*	*
ARSENIC	9E-11	*(6E-11, 2E-10)*	9E-09	*(1E-09, 1E-08)*	1E-08	*	*	*
Additive Risk	2E-08	*(8E-09, 9E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(8E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	6E-10	*(4E-10, 8E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(3E-12, 2E-11)*	4E-10	*(1E-10, 5E-10)*	6E-10	*(2E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(3E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	4E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(5E-08, 6E-07)*	7E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	1E-04	*(2E-05, 2E-04)*	2E-04	*	*	*
BARIUM	1E-08	*(9E-09, 1E-08)*	1E-07	*(6E-08, 4E-07)*	6E-07	*(1E-07, 9E-07)*	2E-06	*(9E-07, 2E-06)*
BERYLLIUM	4E-08	*(9E-09, 8E-08)*	1E-06	*(3E-07, 6E-06)*	5E-06	*(9E-07, 9E-06)*	*	*
CADMIUM	2E-05	*(9E-06, 3E-05)*	8E-04	*(2E-04, 9E-04)*	9E-04	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	1E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	5E-08	*(2E-08, 4E-07)*	3E-06	*	*	*	*	*
COBALT	1E-09	*(7E-10, 4E-09)*	5E-08	*	6E-08	*	*	*
MANGANESE	3E-09	*(2E-09, 1E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	4E-07	*(2E-07, 7E-07)*	1E-05	*(3E-06, 7E-05)*	7E-05	*(7E-06, 2E-04)*	3E-04	*(3E-05, 4E-04)*
MERCURY (METHYL)	5E-06	*(5E-08, 7E-05)*	2E-03	*(6E-04, 3E-02)*	4E-02	*(1E-03, 7E-02)*	*	*
NICKEL	7E-08	*(9E-09, 1E-07)*	1E-06	*	2E-06	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	2E-10	*(6E-11, 3E-09)*	2E-07	*	4E-07	*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	3E-05	*(8E-06, 2E-04)*	3E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 6E-04)*	7E-03	*(2E-03, 4E-02)*	4E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(4E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(5E-04, 8E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(7E-06, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(1E-04, 2E-03)*	2E-02	*(7E-03, 2E-02)*	3E-02	*(2E-02, 5E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	2E-02	*(9E-03, 3E-02)*	4E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B183. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(3E-08, 9E-08)*	7E-07	*(5E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
ARSENIC	5E-10	*(3E-10, 9E-10)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	7E-08	*(4E-08, 1E-07)*	8E-07	*(5E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(6E-11, 2E-10)*	9E-10	*(6E-10, 1E-09)*	1E-09	*(9E-10, 2E-09)*	3E-09	*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(6E-12, 4E-11)*	7E-10	*(2E-10, 1E-09)*	1E-09	*(5E-10, 2E-09)*	2E-09	*
CADMIUM	5E-10	*(4E-10, 9E-10)*	7E-09	*(3E-09, 1E-08)*	1E-08	*(6E-09, 3E-08)*	4E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 5E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	8E-06	*(1E-06, 4E-05)*	9E-04	*(2E-04, 3E-03)*	2E-03	*(7E-04, 6E-03)*	7E-03	*
ARSENIC	5E-06	*(3E-06, 9E-06)*	2E-04	*(8E-05, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	4E-08	*(2E-08, 7E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*(7E-07, 6E-06)*	9E-06	*(7E-06, 1E-05)*
BERYLLIUM	2E-08	*(6E-09, 7E-08)*	1E-06	*(3E-07, 6E-06)*	5E-06	*(7E-07, 8E-06)*	9E-06	*(2E-06, 1E-05)*
CADMIUM	4E-05	*(2E-05, 9E-05)*	7E-04	*(4E-04, 1E-03)*	1E-03	*(8E-04, 2E-03)*	4E-03	*(2E-03, 6E-03)*
CHROMIUM (III)	1E-08	*(1E-08, 2E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*
CHROMIUM (VI)	1E-06	*(6E-07, 2E-06)*	2E-05	*(8E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 7E-05)*
COBALT	6E-08	*(5E-08, 8E-08)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*
MANGANESE	6E-08	*(5E-08, 9E-08)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*
MERCURY (DIVALENT)	1E-04	*(8E-05, 2E-04)*	9E-04	*(5E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	3E-03	*
MERCURY (METHYL)	5E-04	*(3E-04, 7E-04)*	5E-03	*	4E-02	*	*	*
NICKEL	5E-07	*(2E-07, 9E-07)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 1E-05)*	2E-05	*
SELENIUM	2E-05	*(1E-05, 3E-05)*	4E-04	*(1E-04, 8E-04)*	9E-04	*(4E-04, 2E-03)*	3E-03	*(9E-04, 4E-03)*
SILVER	5E-07	*(3E-07, 8E-07)*	1E-05	*(4E-06, 3E-04)*	1E-04	*(9E-06, 8E-04)*	2E-03	*
THALLIUM	4E-06	*(2E-06, 9E-06)*	2E-04	*(6E-05, 6E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 3E-03)*
Hazard Index	1E-03	*(1E-03, 2E-03)*	4E-02	*(5E-03, 7E-02)*	5E-02	*(1E-02, 8E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 3E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	1E-03	*
MERCURY (ELEMENTAL)	1E-05	*(5E-06, 2E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(9E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(6E-04, 1E-03)*	1E-02	*(9E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	4E-02	*(3E-02, 5E-02)*
TCDD-TEQ	1E-03	*(6E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B184. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(9E-09, 1E-07)*	1E-06	*(5E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	1E-08	*(2E-09, 2E-08)*	2E-08	*	3E-08	*
Additive Risk	4E-08	*(1E-08, 2E-07)*	1E-06	*(5E-07, 2E-06)*	2E-06	*(2E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	6E-10	*(4E-10, 8E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	7E-10	*(3E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(3E-12, 2E-11)*	4E-10	*(1E-10, 5E-10)*	6E-10	*(2E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(3E-10, 6E-10)*	5E-09	*(2E-09, 9E-09)*	1E-08	*(4E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	4E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(3E-08, 6E-07)*	8E-04	*	*	*	*	*
ARSENIC	1E-06	*(9E-07, 3E-06)*	1E-04	*	*	*	*	*
BARIUM	9E-09	*(7E-09, 1E-08)*	6E-08	*(2E-08, 1E-07)*	2E-07	*(5E-08, 4E-07)*	6E-07	*(4E-07, 8E-07)*
BERYLLIUM	3E-08	*(6E-09, 7E-08)*	1E-06	*(2E-07, 5E-06)*	4E-06	*(6E-07, 9E-06)*	*	*
CADMIUM	2E-05	*(8E-06, 3E-05)*	8E-04	*(3E-04, 9E-04)*	9E-04	*(8E-04, 1E-03)*	*	*
CHROMIUM (III)	8E-10	*(6E-10, 9E-10)*	7E-09	*(5E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	*	*
CHROMIUM (VI)	3E-08	*(1E-08, 4E-07)*	3E-06	*	1E-05	*	*	*
COBALT	8E-10	*(3E-10, 1E-09)*	6E-08	*	7E-08	*	*	*
MANGANESE	2E-09	*(1E-09, 7E-09)*	1E-07	*	2E-07	*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 3E-07)*	8E-06	*(1E-06, 3E-05)*	3E-05	*(3E-06, 8E-05)*	*	*
MERCURY (METHYL)	4E-06	*(2E-08, 7E-05)*	2E-03	*(6E-04, 3E-02)*	4E-02	*(1E-03, 7E-02)*	*	*
NICKEL	7E-08	*(7E-09, 1E-07)*	1E-06	*	2E-06	*	*	*
SELENIUM	8E-06	*(4E-06, 1E-05)*	2E-04	*(6E-05, 9E-04)*	1E-03	*	*	*
SILVER	1E-10	*(5E-11, 3E-09)*	2E-07	*	4E-07	*	*	*
THALLIUM	9E-07	*(7E-07, 1E-06)*	3E-05	*(8E-06, 3E-04)*	4E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 6E-04)*	8E-03	*(2E-03, 4E-02)*	4E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(1E-05, 6E-05)*	7E-05	*(2E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	8E-04	*(4E-04, 1E-03)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(9E-03, 2E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 2E-04)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(8E-04, 3E-03)*	3E-03	*
MANGANESE	5E-05	*(4E-05, 6E-05)*	3E-04	*(2E-04, 4E-04)*	4E-04	*(3E-04, 5E-04)*	7E-04	*
MERCURY (ELEMENTAL)	9E-06	*(5E-06, 1E-05)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(6E-05, 2E-04)*	2E-04	*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(2E-04, 3E-03)*	2E-02	*(9E-03, 3E-02)*	4E-02	*(2E-02, 6E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	2E-02	*(9E-03, 3E-02)*	4E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B185. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(8E-09, 4E-08)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(5E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
ARSENIC	4E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(6E-07, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 3E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(4E-10, 1E-09)*	2E-09	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 5E-09)*	5E-09	*(2E-09, 8E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 6E-11)*	8E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 4E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(2E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
NICKEL	6E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
Additive Risk	7E-10	*(4E-10, 1E-09)*	8E-09	*(5E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(4E-08, 4E-07)*	9E-06	*(2E-06, 4E-05)*	4E-05	*(7E-06, 5E-05)*	6E-05	*(1E-05, 7E-05)*
ARSENIC	9E-07	*(4E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(2E-05, 8E-05)*	1E-04	*
BARIUM	6E-08	*(2E-08, 9E-08)*	1E-06	*(7E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	1E-05	*(4E-06, 1E-05)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	1E-06	*(5E-07, 1E-06)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	9E-09	*(4E-09, 2E-08)*	3E-07	*(1E-07, 6E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*
CHROMIUM (VI)	3E-07	*(2E-07, 7E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 2E-05)*	4E-05	*(3E-05, 5E-05)*
COBALT	5E-08	*(4E-08, 8E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
MANGANESE	5E-08	*(3E-08, 9E-08)*	8E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	4E-05	*(2E-05, 9E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(9E-04, 4E-03)*	8E-03	*(3E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(7E-05, 4E-04)*	*	*	*	*	*	*
NICKEL	7E-08	*(3E-08, 1E-07)*	5E-06	*(1E-06, 6E-06)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*
SELENIUM	5E-06	*(2E-06, 9E-06)*	1E-04	*(8E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*	8E-04	*(6E-04, 9E-04)*
SILVER	1E-06	*(9E-07, 3E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*
THALLIUM	5E-06	*(2E-06, 7E-06)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 8E-04)*	2E-03	*(9E-04, 3E-03)*
Hazard Index	4E-04	*(2E-04, 1E-03)*	2E-02	*(5E-03, 2E-02)*	2E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(2E-02, 7E-02)*	1E-01	*(8E-02, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B186. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 5E-08)*	7E-08	*(2E-08, 1E-07)*	2E-07	*(9E-08, 2E-07)*
ARSENIC	1E-11	*(8E-12, 9E-11)*	6E-10	*(2E-10, 8E-10)*	8E-10	*(4E-10, 9E-10)*	*	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 5E-08)*	7E-08	*(2E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(7E-12, 3E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(4E-10, 1E-09)*	2E-09	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 7E-09)*	9E-09	*
BERYLLIUM	2E-12	*(1E-12, 4E-12)*	3E-11	*(2E-11, 6E-11)*	8E-11	*(3E-11, 2E-10)*	3E-10	*
CADMIUM	4E-11	*(2E-11, 5E-11)*	4E-10	*(2E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(2E-10, 4E-10)*	4E-09	*(2E-09, 7E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*
NICKEL	6E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	7E-10	*(4E-10, 1E-09)*	8E-09	*(5E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(4E-09, 5E-08)*	2E-06	*	*	*	*	*
ARSENIC	3E-07	*(1E-07, 2E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(9E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*
BARIUM	8E-09	*(3E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	1E-06	*(6E-07, 2E-06)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	1E-06	*(5E-07, 1E-06)*
CADMIUM	2E-06	*(1E-06, 4E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	8E-10	*(3E-10, 1E-09)*	2E-08	*(1E-08, 4E-08)*	7E-08	*(3E-08, 9E-08)*	2E-07	*(1E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(8E-09, 4E-08)*	7E-07	*	*	*	*	*
COBALT	3E-10	*(2E-10, 5E-10)*	5E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 1E-08)*	3E-08	*(2E-08, 3E-08)*
MANGANESE	8E-09	*(3E-09, 1E-08)*	1E-07	*(3E-08, 5E-07)*	4E-07	*(8E-08, 7E-07)*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 9E-07)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(2E-05, 2E-04)*	8E-04	*(7E-05, 9E-04)*
MERCURY (METHYL)	1E-05	*(5E-06, 6E-05)*	7E-03	*(5E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	5E-09	*(4E-09, 1E-08)*	3E-07	*	*	*	*	*
SELENIUM	9E-07	*(4E-07, 2E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	2E-09	*(9E-10, 2E-08)*	1E-07	*	*	*	*	*
THALLIUM	9E-07	*(3E-07, 2E-06)*	3E-05	*(1E-05, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
Hazard Index	8E-05	*(3E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(5E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-05	*(5E-05, 1E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(1E-03, 7E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B187. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 3E-08)*	4E-07	*(2E-07, 6E-07)*	8E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
ARSENIC	4E-11	*(1E-11, 1E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	1E-08	*(8E-09, 3E-08)*	4E-07	*(2E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 4E-11)*	4E-10	*(2E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 5E-10)*
CADMIUM	5E-11	*(3E-11, 7E-11)*	4E-10	*(3E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(3E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(3E-12, 1E-11)*	2E-10	*(7E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	8E-10	*(5E-10, 1E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-08	*(3E-08, 2E-07)*	6E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	3E-05	*(8E-06, 4E-05)*
ARSENIC	7E-07	*(2E-07, 2E-06)*	1E-05	*(9E-06, 3E-05)*	4E-05	*(1E-05, 6E-05)*	1E-04	*(6E-05, 2E-04)*
BARIUM	3E-08	*(1E-08, 6E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(7E-07, 2E-06)*	5E-06	*(2E-06, 7E-06)*
BERYLLIUM	6E-09	*(3E-09, 9E-09)*	7E-08	*(4E-08, 9E-08)*	1E-07	*(8E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
CADMIUM	3E-06	*(2E-06, 5E-06)*	5E-05	*(3E-05, 7E-05)*	1E-04	*(5E-05, 2E-04)*	4E-04	*(1E-04, 5E-04)*
CHROMIUM (III)	5E-09	*(2E-09, 9E-09)*	1E-07	*(9E-08, 3E-07)*	5E-07	*(2E-07, 6E-07)*	1E-06	*
CHROMIUM (VI)	2E-07	*(9E-08, 4E-07)*	8E-06	*(3E-06, 9E-06)*	1E-05	*(6E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*
COBALT	3E-08	*(2E-08, 5E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
MANGANESE	2E-08	*(1E-08, 5E-08)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 5E-05)*	6E-04	*(2E-04, 9E-04)*	1E-03	*(5E-04, 2E-03)*	4E-03	*(2E-03, 6E-03)*
MERCURY (METHYL)	1E-04	*(4E-05, 2E-04)*	9E-03	*	*	*	*	*
NICKEL	4E-08	*(2E-08, 9E-08)*	2E-06	*(9E-07, 3E-06)*	5E-06	*(1E-06, 7E-06)*	1E-05	*
SELENIUM	3E-06	*(1E-06, 7E-06)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
SILVER	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 5E-05)*	7E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 3E-04)*
THALLIUM	3E-06	*(1E-06, 5E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 6E-04)*	1E-03	*(7E-04, 2E-03)*
Hazard Index	3E-04	*(2E-04, 7E-04)*	1E-02	*(3E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-04	*(2E-04, 9E-04)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	8E-02	*(4E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B188. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 6E-08)*	9E-08	*(3E-08, 2E-07)*	3E-07	*(1E-07, 3E-07)*
ARSENIC	1E-11	*(7E-12, 7E-11)*	5E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 1E-09)*	*	*
Additive Risk	3E-09	*(1E-09, 4E-09)*	3E-08	*(3E-08, 7E-08)*	1E-07	*(3E-08, 2E-07)*	3E-07	*(1E-07, 3E-07)*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	4E-10	*(2E-10, 6E-10)*	7E-10	*(4E-10, 1E-09)*	2E-09	*
ARSENIC	4E-11	*(2E-11, 1E-10)*	3E-09	*(1E-09, 4E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*
CADMIUM	5E-11	*(3E-11, 6E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 8E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(4E-12, 1E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
Additive Risk	8E-10	*(4E-10, 1E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(1E-09, 1E-08)*	1E-06	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 1E-06)*	9E-06	*(3E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	*	*
BARIUM	2E-09	*(9E-10, 5E-09)*	8E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(2E-07, 5E-07)*
BERYLLIUM	8E-09	*(4E-09, 1E-08)*	7E-08	*(4E-08, 8E-08)*	9E-08	*(7E-08, 1E-07)*	3E-07	*(1E-07, 6E-07)*
CADMIUM	1E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 7E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	2E-10	*(9E-11, 4E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	4E-08	*(3E-08, 6E-08)*
CHROMIUM (VI)	7E-09	*(4E-09, 2E-08)*	5E-07	*(1E-07, 5E-06)*	4E-06	*(2E-07, 8E-06)*	*	*
COBALT	9E-11	*(7E-11, 1E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	8E-09	*(5E-09, 8E-09)*
MANGANESE	3E-09	*(9E-10, 6E-09)*	5E-08	*	*	*	*	*
MERCURY (DIVALENT)	7E-08	*(3E-08, 2E-07)*	7E-06	*(2E-06, 1E-05)*	2E-05	*(5E-06, 5E-05)*	1E-04	*(2E-05, 3E-04)*
MERCURY (METHYL)	1E-05	*(5E-06, 6E-05)*	7E-03	*(5E-04, 2E-02)*	2E-02	*(2E-03, 4E-02)*	*	*
NICKEL	3E-09	*(2E-09, 8E-09)*	1E-07	*	*	*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 9E-05)*	9E-05	*(4E-05, 1E-04)*	*	*
SILVER	9E-10	*(3E-10, 9E-09)*	7E-08	*(3E-08, 4E-07)*	4E-07	*	*	*
THALLIUM	7E-07	*(3E-07, 2E-06)*	2E-05	*(9E-06, 6E-05)*	6E-05	*(2E-05, 9E-05)*	*	*
Hazard Index	7E-05	*(3E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(5E-03, 5E-02)*	5E-01	*(2E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-05	*(5E-05, 9E-05)*	9E-04	*(8E-04, 2E-03)*	3E-03	*(1E-03, 7E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B189. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(2E-07, 5E-07)*	1E-06	*(6E-07, 1E-06)*
ARSENIC	2E-11	*(8E-12, 7E-11)*	4E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	7E-09	*(4E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	5E-10	*(3E-10, 7E-10)*	1E-09	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(9E-10, 4E-09)*	4E-09	*(2E-09, 6E-09)*	7E-09	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	3E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*(1E-10, 3E-10)*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	4E-12	*(2E-12, 8E-12)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 8E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-08	*(1E-08, 1E-07)*	3E-06	*(8E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	2E-05	*(4E-06, 2E-05)*
ARSENIC	4E-07	*(1E-07, 1E-06)*	8E-06	*(5E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	1E-08	*(5E-09, 3E-08)*	3E-07	*(1E-07, 5E-07)*	7E-07	*(3E-07, 9E-07)*	2E-06	*(9E-07, 3E-06)*
BERYLLIUM	3E-09	*(2E-09, 5E-09)*	4E-08	*(2E-08, 5E-08)*	6E-08	*(4E-08, 9E-08)*	2E-07	*(1E-07, 4E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	2E-04	*(9E-05, 2E-04)*
CHROMIUM (III)	2E-09	*(9E-10, 5E-09)*	9E-08	*(4E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*
CHROMIUM (VI)	9E-08	*(5E-08, 2E-07)*	3E-06	*(1E-06, 6E-06)*	6E-06	*(2E-06, 7E-06)*	1E-05	*(6E-06, 1E-05)*
COBALT	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*
MANGANESE	1E-08	*(9E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*(5E-07, 9E-07)*
MERCURY (DIVALENT)	1E-05	*(6E-06, 2E-05)*	2E-04	*(9E-05, 6E-04)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(9E-04, 3E-03)*
MERCURY (METHYL)	9E-05	*(2E-05, 1E-04)*	4E-03	*	*	*	*	*
NICKEL	2E-08	*(9E-09, 4E-08)*	1E-06	*(4E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	6E-06	*(4E-06, 7E-06)*
SELENIUM	2E-06	*(8E-07, 3E-06)*	6E-05	*(3E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*
SILVER	4E-07	*(2E-07, 7E-07)*	1E-05	*(5E-06, 2E-05)*	3E-05	*(1E-05, 5E-05)*	8E-05	*(5E-05, 9E-05)*
THALLIUM	1E-06	*(8E-07, 3E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(4E-05, 3E-04)*	7E-04	*(4E-04, 1E-03)*
Hazard Index	2E-04	*(8E-05, 4E-04)*	6E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 8E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(9E-05, 4E-04)*	5E-03	*(2E-03, 7E-03)*	9E-03	*(5E-03, 1E-02)*	3E-02	*(1E-02, 4E-02)*
TCDD-TEQ	2E-04	*(1E-04, 5E-04)*	7E-03	*(3E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B190. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 4E-08)*	7E-08	*(2E-08, 1E-07)*	2E-07	*(9E-08, 2E-07)*
ARSENIC	8E-12	*(4E-12, 5E-11)*	3E-10	*(1E-10, 4E-10)*	4E-10	*(2E-10, 8E-10)*	*	*
Additive Risk	2E-09	*(1E-09, 2E-09)*	2E-08	*(2E-08, 5E-08)*	7E-08	*(2E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	3E-10	*(1E-10, 4E-10)*	5E-10	*(3E-10, 8E-10)*	1E-09	*
ARSENIC	3E-11	*(1E-11, 9E-11)*	2E-09	*(7E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 8E-10)*	6E-09	*(3E-09, 8E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-09	*(9E-10, 9E-09)*	7E-07	*	*	*	*	*
ARSENIC	1E-07	*(8E-08, 8E-07)*	6E-06	*(2E-06, 7E-06)*	8E-06	*	*	*
BARIUM	9E-10	*(4E-10, 2E-09)*	5E-08	*(2E-08, 6E-08)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 3E-07)*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	4E-08	*(3E-08, 5E-08)*	7E-08	*(4E-08, 9E-08)*	2E-07	*(9E-08, 3E-07)*
CADMIUM	9E-07	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	1E-10	*(6E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	9E-09	*(4E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
CHROMIUM (VI)	4E-09	*(3E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	4E-10	*(2E-10, 1E-09)*	1E-08	*	*	*	*	*
MANGANESE	1E-09	*(7E-10, 4E-09)*	3E-08	*	*	*	*	*
MERCURY (DIVALENT)	4E-08	*(1E-08, 1E-07)*	4E-06	*(9E-07, 9E-06)*	9E-06	*(2E-06, 3E-05)*	8E-05	*(1E-05, 1E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(3E-04, 9E-03)*	1E-02	*(1E-03, 4E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	6E-10	*(2E-10, 5E-09)*	5E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 1E-06)*	2E-05	*(8E-06, 4E-05)*	4E-05	*(2E-05, 6E-05)*	*	*
Hazard Index	5E-05	*(2E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(2E-07, 9E-07)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	8E-06	*(3E-06, 2E-05)*	4E-05	*(4E-06, 7E-05)*	1E-04	*
Hazard Index	4E-04	*(3E-04, 6E-04)*	5E-03	*(3E-03, 7E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-05	*(2E-05, 6E-05)*	7E-04	*(5E-04, 1E-03)*	2E-03	*(7E-04, 4E-03)*	6E-03	*(2E-03, 6E-03)*
TCDD-TEQ	6E-05	*(3E-05, 8E-05)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(1E-03, 5E-03)*	8E-03	*(4E-03, 8E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B191. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-09	*(3E-09, 1E-08)*	2E-07	*(9E-08, 3E-07)*	5E-07	*(2E-07, 6E-07)*	1E-06	*(7E-07, 1E-06)*
ARSENIC	4E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*(9E-10, 3E-09)*	5E-09	*(3E-09, 7E-09)*
Additive Risk	8E-09	*(5E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(8E-07, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(7E-12, 4E-11)*	4E-10	*(2E-10, 6E-10)*	7E-10	*(4E-10, 1E-09)*	2E-09	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	3E-12	*(1E-12, 4E-12)*	4E-11	*(2E-11, 7E-11)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(2E-10, 4E-10)*
CADMIUM	4E-11	*(3E-11, 6E-11)*	4E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	4E-09	*(2E-09, 7E-09)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
NICKEL	7E-12	*(3E-12, 1E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(2E-10, 6E-10)*	1E-09	*
Additive Risk	8E-10	*(4E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(9E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-08	*(1E-08, 1E-07)*	2E-06	*	*	*	*	*
ARSENIC	4E-07	*(1E-07, 1E-06)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	1E-06	*(5E-07, 2E-06)*
BERYLLIUM	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 7E-08)*	2E-07	*(8E-08, 3E-07)*
CADMIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	1E-09	*(6E-10, 2E-09)*	4E-08	*(2E-08, 8E-08)*	1E-07	*(6E-08, 1E-07)*	3E-07	*(2E-07, 4E-07)*
CHROMIUM (VI)	6E-08	*(3E-08, 1E-07)*	2E-06	*(8E-07, 6E-06)*	6E-06	*(1E-06, 7E-06)*	9E-06	*(3E-06, 1E-05)*
COBALT	9E-09	*(7E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*
MANGANESE	9E-09	*(6E-09, 1E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	4E-07	*(3E-07, 5E-07)*
MERCURY (DIVALENT)	9E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 4E-04)*	5E-04	*(1E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*
MERCURY (METHYL)	9E-05	*(1E-05, 1E-04)*	4E-03	*	*	*	*	*
NICKEL	1E-08	*(9E-09, 2E-08)*	9E-07	*(2E-07, 2E-06)*	2E-06	*(6E-07, 3E-06)*	3E-06	*(2E-06, 4E-06)*
SELENIUM	2E-06	*(9E-07, 4E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
SILVER	2E-07	*(9E-08, 4E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	4E-05	*(2E-05, 5E-05)*
THALLIUM	1E-06	*(8E-07, 3E-06)*	4E-05	*(1E-05, 7E-05)*	1E-04	*(4E-05, 3E-04)*	6E-04	*(3E-04, 9E-04)*
Hazard Index	1E-04	*(8E-05, 3E-04)*	7E-03	*(1E-03, 9E-03)*	9E-03	*(3E-03, 9E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	5E-07	*(3E-07, 1E-06)*	1E-05	*(5E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	1E-04	*(3E-05, 2E-04)*
CHLORINE (CL2)	3E-04	*(1E-04, 4E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	4E-05	*(2E-05, 8E-05)*	6E-04	*(4E-04, 1E-03)*	1E-03	*(7E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*
MANGANESE	2E-05	*(1E-05, 3E-05)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(2E-04, 6E-04)*	1E-03	*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 7E-07)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(5E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(3E-04, 7E-04)*	5E-03	*(3E-03, 8E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-04	*(7E-05, 3E-04)*	4E-03	*(2E-03, 5E-03)*	8E-03	*(4E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*
TCDD-TEQ	1E-04	*(7E-05, 3E-04)*	4E-03	*(2E-03, 6E-03)*	8E-03	*(5E-03, 1E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B192. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 4E-09)*	4E-08	*(3E-08, 8E-08)*	1E-07	*(4E-08, 2E-07)*	4E-07	*(2E-07, 4E-07)*
ARSENIC	1E-11	*(9E-12, 9E-11)*	7E-10	*(2E-10, 9E-10)*	9E-10	*(3E-10, 1E-09)*	*	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	5E-08	*(4E-08, 9E-08)*	1E-07	*(6E-08, 3E-07)*	4E-07	*(2E-07, 4E-07)*
Cancer - Inhalation								
TCDD-TEQ	1E-11	*(5E-12, 2E-11)*	2E-10	*(1E-10, 4E-10)*	5E-10	*(3E-10, 8E-10)*	1E-09	*
ARSENIC	3E-11	*(1E-11, 9E-11)*	2E-09	*(7E-10, 3E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(1E-11, 5E-11)*	6E-11	*(3E-11, 1E-10)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(2E-09, 5E-09)*	7E-09	*(3E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 8E-12)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	8E-10	*
Additive Risk	5E-10	*(3E-10, 8E-10)*	6E-09	*(3E-09, 8E-09)*	1E-08	*(6E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-09	*(8E-10, 9E-09)*	1E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 9E-07)*	7E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	5E-10	*(2E-10, 1E-09)*	4E-08	*(1E-08, 6E-08)*	6E-08	*(3E-08, 9E-08)*	1E-07	*(6E-08, 1E-07)*
BERYLLIUM	3E-09	*(2E-09, 8E-09)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(4E-08, 8E-08)*	1E-07	*(8E-08, 2E-07)*
CADMIUM	9E-07	*(7E-07, 2E-06)*	2E-05	*(9E-06, 7E-05)*	*	*	*	*
CHROMIUM (III)	6E-11	*(3E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 5E-09)*	9E-09	*(7E-09, 1E-08)*
CHROMIUM (VI)	4E-09	*(2E-09, 1E-08)*	4E-07	*	*	*	*	*
COBALT	4E-10	*(1E-10, 1E-09)*	1E-08	*	*	*	*	*
MANGANESE	1E-09	*(4E-10, 4E-09)*	4E-08	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(6E-09, 9E-08)*	1E-06	*(4E-07, 4E-06)*	4E-06	*(1E-06, 9E-06)*	4E-05	*(4E-06, 6E-05)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(3E-04, 9E-03)*	1E-02	*(1E-03, 4E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(2E-07, 1E-06)*	2E-05	*(6E-06, 6E-05)*	7E-05	*(3E-05, 9E-05)*	*	*
SILVER	7E-10	*(1E-10, 5E-09)*	5E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 1E-06)*	2E-05	*(7E-06, 4E-05)*	4E-05	*(2E-05, 6E-05)*	*	*
Hazard Index	5E-05	*(2E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(3E-03, 4E-02)*	3E-01	*(1E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(1E-07, 6E-07)*	7E-06	*(4E-06, 1E-05)*	1E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(9E-05, 3E-04)*	3E-03	*(2E-03, 4E-03)*	5E-03	*(3E-03, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 5E-05)*	4E-04	*(3E-04, 7E-04)*	8E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	1E-05	*(9E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(1E-04, 4E-04)*	7E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 4E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 5E-05)*	8E-05	*
Hazard Index	2E-04	*(2E-04, 4E-04)*	3E-03	*(2E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-05	*(3E-05, 8E-05)*	8E-04	*(6E-04, 1E-03)*	2E-03	*(8E-04, 4E-03)*	7E-03	*(3E-03, 7E-03)*
TCDD-TEQ	6E-05	*(3E-05, 8E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(1E-03, 5E-03)*	7E-03	*(3E-03, 8E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B193. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-06	*(2E-06, 5E-06)*	**3E-05**	*(2E-05, 3E-05)*	**4E-05**	*(3E-05, 5E-05)*	**8E-05**	*(4E-05, 1E-04)*
ARSENIC	9E-11	*(4E-11, 1E-10)*	3E-09	*(1E-09, 1E-08)*	2E-08	*(2E-09, 6E-08)*	2E-07	*
Additive Risk	4E-06	*(2E-06, 6E-06)*	**3E-05**	*(2E-05, 4E-05)*	**4E-05**	*(3E-05, 5E-05)*	**9E-05**	*(5E-05, 1E-04)*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	8E-08	*
ARSENIC	2E-10	*(9E-11, 4E-10)*	8E-09	*(2E-09, 3E-08)*	3E-08	*(3E-09, 1E-07)*	3E-07	*
BERYLLIUM	8E-12	*(4E-12, 1E-11)*	2E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 6E-10)*	1E-09	*
CADMIUM	1E-10	*(9E-11, 2E-10)*	2E-09	*(6E-10, 6E-09)*	5E-09	*(1E-09, 1E-08)*	3E-08	*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
NICKEL	4E-11	*(2E-11, 7E-11)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	6E-09	*(5E-09, 9E-09)*	4E-08	*(3E-08, 9E-08)*	9E-08	*(4E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(7E-07, 5E-06)*	9E-05	*(3E-05, 3E-04)*	4E-04	*(8E-05, 9E-04)*	4E-03	*
ARSENIC	2E-06	*(9E-07, 4E-06)*	9E-05	*(3E-05, 4E-04)*	4E-04	*(6E-05, 1E-03)*	*	*
BARIUM	2E-07	*(1E-07, 4E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	4E-05	*(3E-05, 4E-05)*
BERYLLIUM	3E-08	*(2E-08, 5E-08)*	5E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 3E-06)*	*	*
CADMIUM	1E-05	*(8E-06, 4E-05)*	4E-04	*(1E-04, 9E-04)*	9E-04	*(3E-04, 2E-03)*	5E-03	*
CHROMIUM (III)	6E-08	*(4E-08, 9E-08)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*
CHROMIUM (VI)	2E-06	*(1E-06, 3E-06)*	2E-05	*(2E-05, 4E-05)*	5E-05	*(3E-05, 7E-05)*	1E-04	*(1E-04, 2E-04)*
COBALT	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	*	*
MANGANESE	2E-07	*(1E-07, 2E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 3E-06)*	7E-06	*
MERCURY (DIVALENT)	1E-04	*(7E-05, 4E-04)*	7E-03	*(2E-03, 2E-02)*	2E-02	*(4E-03, 7E-02)*	2E-01	*
MERCURY (METHYL)	4E-04	*(1E-04, 9E-04)*	7E-02	*(7E-03, 8E-02)*	8E-02	*(1E-02, 9E-02)*	*	*
NICKEL	6E-07	*(3E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	4E-05	*
SELENIUM	2E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 2E-03)*	4E-03	*
SILVER	3E-06	*(2E-06, 7E-06)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
THALLIUM	2E-05	*(9E-06, 5E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	1E-02	*
Hazard Index	1E-03	*(6E-04, 4E-03)*	9E-02	*(1E-02, 1E-01)*	1E-01	*(3E-02, 2E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(7E-05, 2E-03)*	4E-03	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-01	*(9E-02, 2E-01)*	1	*(9E-01, 1)*	**2**	*(1 , 2)*	**4**	*(2 , 5)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B194. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 3E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
ARSENIC	2E-11	*(9E-12, 7E-11)*	1E-09	*(3E-10, 3E-09)*	3E-09	*(9E-10, 8E-09)*	2E-08	*
Additive Risk	3E-07	*(1E-07, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 5E-08)*	9E-08	*
ARSENIC	1E-10	*(6E-11, 3E-10)*	1E-08	*(1E-09, 7E-08)*	7E-08	*(3E-09, 2E-07)*	3E-07	*
BERYLLIUM	9E-12	*(4E-12, 2E-11)*	2E-10	*(8E-11, 3E-10)*	4E-10	*(2E-10, 9E-10)*	1E-09	*
CADMIUM	1E-10	*(9E-11, 2E-10)*	2E-09	*(7E-10, 6E-09)*	5E-09	*(1E-09, 1E-08)*	3E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*
NICKEL	4E-11	*(2E-11, 8E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
Additive Risk	7E-09	*(5E-09, 1E-08)*	5E-08	*(3E-08, 1E-07)*	1E-07	*(5E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(9E-08, 2E-06)*	1E-05	*(3E-06, 2E-05)*	2E-05	*(4E-06, 2E-05)*	4E-05	*
ARSENIC	5E-07	*(2E-07, 2E-06)*	3E-05	*(9E-06, 8E-05)*	8E-05	*(2E-05, 2E-04)*	5E-04	*
BARIUM	6E-08	*(3E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(5E-06, 7E-06)*
BERYLLIUM	4E-08	*(2E-08, 7E-08)*	9E-07	*(2E-07, 1E-06)*	1E-06	*(6E-07, 4E-06)*	9E-06	*
CADMIUM	4E-06	*(3E-06, 8E-06)*	1E-04	*(2E-05, 3E-04)*	6E-04	*	*	*
CHROMIUM (III)	6E-09	*(4E-09, 9E-09)*	9E-08	*(8E-08, 1E-07)*	1E-07	*(1E-07, 2E-07)*	5E-07	*
CHROMIUM (VI)	6E-08	*(3E-08, 2E-07)*	2E-06	*	*	*	*	*
COBALT	1E-09	*(9E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
MANGANESE	2E-08	*(1E-08, 4E-08)*	2E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*
MERCURY (DIVALENT)	9E-07	*(3E-07, 4E-06)*	1E-04	*(3E-05, 2E-04)*	2E-04	*(9E-05, 5E-04)*	9E-04	*(2E-04, 2E-03)*
MERCURY (METHYL)	5E-05	*(4E-06, 2E-04)*	5E-03	*(5E-04, 2E-02)*	3E-02	*(3E-03, 6E-02)*	*	*
NICKEL	2E-08	*(1E-08, 4E-08)*	7E-07	*	*	*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	7E-10	*(2E-10, 8E-09)*	2E-07	*	*	*	*	*
THALLIUM	3E-06	*(1E-06, 9E-06)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(9E-05, 4E-04)*	*	*
Hazard Index	2E-04	*(1E-04, 4E-04)*	5E-03	*(1E-03, 2E-02)*	5E-02	*(4E-03, 8E-02)*	1E-01	*(5E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	2E-04	*(1E-05, 1E-03)*	1E-03	*(4E-05, 3E-03)*	5E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(5E-03, 1E-02)*	6E-02	*(5E-02, 8E-02)*	9E-02	*(6E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B195. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-06	*(1E-06, 4E-06)*	**2E-05**	*(1E-05, 2E-05)*	**3E-05**	*(2E-05, 4E-05)*	**6E-05**	*(3E-05, 8E-05)*
ARSENIC	9E-11	*(4E-11, 1E-10)*	3E-09	*(1E-09, 1E-08)*	2E-08	*(2E-09, 6E-08)*	2E-07	*
Additive Risk	3E-06	*(2E-06, 5E-06)*	**2E-05**	*(2E-05, 3E-05)*	**3E-05**	*(3E-05, 4E-05)*	**7E-05**	*(4E-05, 8E-05)*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 4E-08)*	9E-08	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	9E-09	*(2E-09, 4E-08)*	3E-08	*(4E-09, 1E-07)*	3E-07	*
BERYLLIUM	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(1E-10, 6E-10)*	1E-09	*
CADMIUM	2E-10	*(1E-10, 2E-10)*	2E-09	*(7E-10, 7E-09)*	6E-09	*(1E-09, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(9E-10, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*
NICKEL	5E-11	*(2E-11, 9E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	7E-09	*(5E-09, 1E-08)*	5E-08	*(3E-08, 1E-07)*	1E-07	*(4E-08, 2E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 3E-06)*	7E-05	*(2E-05, 2E-04)*	2E-04	*(5E-05, 7E-04)*	3E-03	*
ARSENIC	1E-06	*(7E-07, 2E-06)*	7E-05	*(2E-05, 3E-04)*	3E-04	*(5E-05, 9E-04)*	4E-03	*
BARIUM	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 4E-06)*	6E-06	*(4E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	2E-07	*(9E-08, 6E-07)*	8E-07	*(1E-07, 1E-06)*	5E-06	*
CADMIUM	1E-05	*(6E-06, 3E-05)*	3E-04	*(9E-05, 7E-04)*	8E-04	*(2E-04, 2E-03)*	3E-03	*
CHROMIUM (III)	3E-08	*(2E-08, 4E-08)*	5E-07	*(3E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*
CHROMIUM (VI)	9E-07	*(6E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(1E-05, 4E-05)*	*	*
COBALT	1E-07	*(9E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*
MANGANESE	9E-08	*(8E-08, 1E-07)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*
MERCURY (DIVALENT)	9E-05	*(4E-05, 2E-04)*	4E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 4E-02)*	1E-01	*
MERCURY (METHYL)	3E-04	*(9E-05, 6E-04)*	4E-02	*(6E-03, 6E-02)*	6E-02	*(7E-03, 7E-02)*	8E-02	*
NICKEL	3E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 8E-06)*	9E-06	*(5E-06, 1E-05)*	2E-05	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 5E-04)*	6E-04	*(3E-04, 1E-03)*	3E-03	*
SILVER	1E-06	*(9E-07, 3E-06)*	3E-05	*(2E-05, 5E-05)*	6E-05	*(3E-05, 9E-05)*	3E-04	*
THALLIUM	1E-05	*(8E-06, 4E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	7E-03	*(3E-03, 9E-03)*
Hazard Index	8E-04	*(4E-04, 2E-03)*	7E-02	*(9E-03, 7E-02)*	7E-02	*(2E-02, 9E-02)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(7E-05, 2E-03)*	4E-03	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-02	*(5E-02, 1E-01)*	8E-01	*(6E-01, 9E-01)*	1	*(9E-01, 1)*	**2**	*(1 , 3)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B196. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(1E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	*	*
ARSENIC	1E-11	*(8E-12, 4E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(9E-10, 4E-09)*	8E-09	*
Additive Risk	3E-07	*(2E-07, 4E-07)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 6E-08)*	1E-07	*
ARSENIC	2E-10	*(7E-11, 4E-10)*	1E-08	*(2E-09, 8E-08)*	8E-08	*(4E-09, 2E-07)*	3E-07	*
BERYLLIUM	1E-11	*(5E-12, 2E-11)*	3E-10	*(9E-11, 4E-10)*	4E-10	*(2E-10, 1E-09)*	1E-09	*
CADMIUM	2E-10	*(1E-10, 2E-10)*	2E-09	*(8E-10, 7E-09)*	6E-09	*(2E-09, 2E-08)*	4E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	5E-11	*(2E-11, 1E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	6E-08	*(3E-08, 1E-07)*	1E-07	*(6E-08, 3E-07)*	4E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(3E-08, 9E-07)*	7E-06	*(1E-06, 8E-06)*	8E-06	*(2E-06, 9E-06)*	1E-05	*
ARSENIC	3E-07	*(1E-07, 8E-07)*	2E-05	*(3E-06, 5E-05)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*
BARIUM	1E-08	*(8E-09, 4E-08)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(4E-07, 7E-07)*	*	*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	3E-07	*(9E-08, 5E-07)*	6E-07	*(2E-07, 1E-06)*	3E-06	*
CADMIUM	3E-06	*(2E-06, 6E-06)*	9E-05	*(2E-05, 3E-04)*	6E-04	*	*	*
CHROMIUM (III)	1E-09	*(1E-09, 2E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 7E-08)*	1E-07	*
CHROMIUM (VI)	2E-08	*(1E-08, 1E-07)*	1E-06	*	*	*	*	*
COBALT	4E-10	*(3E-10, 5E-10)*	4E-09	*(3E-09, 7E-09)*	8E-09	*(5E-09, 8E-09)*	1E-08	*
MANGANESE	8E-09	*(3E-09, 1E-08)*	7E-08	*	*	*	*	*
MERCURY (DIVALENT)	3E-07	*(9E-08, 1E-06)*	3E-05	*(7E-06, 7E-05)*	7E-05	*(3E-05, 1E-04)*	2E-04	*(6E-05, 4E-04)*
MERCURY (METHYL)	5E-05	*(4E-06, 2E-04)*	5E-03	*(5E-04, 2E-02)*	3E-02	*(3E-03, 6E-02)*	*	*
NICKEL	9E-09	*(6E-09, 2E-08)*	3E-07	*(7E-08, 7E-07)*	7E-07	*(2E-07, 8E-07)*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	2E-10	*(9E-11, 2E-09)*	1E-07	*	*	*	*	*
THALLIUM	3E-06	*(8E-07, 9E-06)*	9E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
Hazard Index	2E-04	*(7E-05, 3E-04)*	5E-03	*(9E-04, 2E-02)*	5E-02	*(4E-03, 8E-02)*	1E-01	*(5E-02, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	2E-04	*(1E-05, 1E-03)*	1E-03	*(4E-05, 3E-03)*	5E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(5E-03, 1E-02)*	6E-02	*(5E-02, 8E-02)*	9E-02	*(6E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B197. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-06	*(7E-07, 2E-06)*	9E-06	*(8E-06, 1E-05)*	**1E-05**	*(1E-05, 2E-05)*	**3E-05**	*
ARSENIC	5E-11	*(2E-11, 8E-11)*	2E-09	*(7E-10, 8E-09)*	9E-09	*(1E-09, 3E-08)*	1E-07	*
Additive Risk	1E-06	*(8E-07, 2E-06)*	**1E-05**	*(9E-06, 1E-05)*	**2E-05**	*(1E-05, 2E-05)*	**3E-05**	*(2E-05, 4E-05)*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 2E-09)*	1E-08	*(8E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	6E-08	*
ARSENIC	1E-10	*(7E-11, 3E-10)*	6E-09	*(1E-09, 2E-08)*	2E-08	*(2E-09, 7E-08)*	2E-07	*
BERYLLIUM	6E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 4E-10)*	8E-10	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	1E-09	*(4E-10, 4E-09)*	4E-09	*(8E-10, 1E-08)*	2E-08	*
CHROMIUM (VI)	9E-10	*(6E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	1E-08	*(9E-09, 2E-08)*	4E-08	*
NICKEL	3E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 7E-10)*	8E-10	*(4E-10, 1E-09)*	2E-09	*
Additive Risk	5E-09	*(3E-09, 6E-09)*	3E-08	*(2E-08, 6E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-07	*(2E-07, 2E-06)*	3E-05	*(9E-06, 8E-05)*	1E-04	*(2E-05, 3E-04)*	1E-03	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	3E-05	*(1E-05, 1E-04)*	1E-04	*(2E-05, 5E-04)*	2E-03	*
BARIUM	6E-08	*(4E-08, 9E-08)*	1E-06	*(6E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 1E-05)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	9E-08	*(5E-08, 3E-07)*	4E-07	*(9E-08, 7E-07)*	2E-06	*
CADMIUM	6E-06	*(3E-06, 1E-05)*	1E-04	*(5E-05, 4E-04)*	4E-04	*(1E-04, 1E-03)*	2E-03	*
CHROMIUM (III)	1E-08	*(1E-08, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	1E-06	*
CHROMIUM (VI)	5E-07	*(3E-07, 7E-07)*	6E-06	*(5E-06, 9E-06)*	1E-05	*(9E-06, 2E-05)*	4E-05	*(3E-05, 5E-05)*
COBALT	5E-08	*(5E-08, 7E-08)*	6E-07	*(5E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*	*	*
MANGANESE	5E-08	*(4E-08, 8E-08)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(5E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	4E-05	*(2E-05, 1E-04)*	2E-03	*(7E-04, 7E-03)*	7E-03	*(1E-03, 2E-02)*	5E-02	*
MERCURY (METHYL)	1E-04	*(5E-05, 3E-04)*	3E-02	*(2E-03, 4E-02)*	4E-02	*(4E-03, 4E-02)*	4E-02	*
NICKEL	2E-07	*(9E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 8E-06)*	1E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(1E-04, 7E-04)*	1E-03	*
SILVER	8E-07	*(5E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	9E-05	*
THALLIUM	8E-06	*(4E-06, 2E-05)*	4E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	4E-03	*(1E-03, 5E-03)*
Hazard Index	4E-04	*(2E-04, 1E-03)*	4E-02	*(4E-03, 4E-02)*	4E-02	*(8E-03, 5E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(7E-05, 2E-03)*	4E-03	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-02	*(2E-02, 6E-02)*	3E-01	*(2E-01, 3E-01)*	4E-01	*(3E-01, 5E-01)*	8E-01	*(4E-01, 1)*
TCDD-TEQ	5E-02	*(3E-02, 8E-02)*	4E-01	*(3E-01, 5E-01)*	5E-01	*(4E-01, 7E-01)*	**1**	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B198. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(9E-08, 3E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*	*	*
ARSENIC	9E-12	*(5E-12, 2E-11)*	9E-10	*(1E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	5E-09	*(1E-09, 6E-09)*
Additive Risk	2E-07	*(1E-07, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 4E-08)*	7E-08	*
ARSENIC	1E-10	*(5E-11, 3E-10)*	8E-09	*(1E-09, 5E-08)*	5E-08	*(3E-09, 1E-07)*	2E-07	*
BERYLLIUM	7E-12	*(3E-12, 1E-11)*	2E-10	*(6E-11, 2E-10)*	3E-10	*(1E-10, 7E-10)*	8E-10	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(5E-10, 4E-09)*	4E-09	*(1E-09, 1E-08)*	2E-08	*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
NICKEL	3E-11	*(1E-11, 6E-11)*	6E-10	*(2E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	5E-09	*(4E-09, 8E-09)*	4E-08	*(2E-08, 8E-08)*	9E-08	*(4E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 7E-07)*	5E-06	*(9E-07, 6E-06)*	6E-06	*(1E-06, 6E-06)*	7E-06	*
ARSENIC	2E-07	*(9E-08, 4E-07)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(1E-05, 5E-05)*	9E-05	*(2E-05, 1E-04)*
BARIUM	9E-09	*(4E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(6E-07, 9E-07)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 9E-07)*	2E-06	*
CADMIUM	2E-06	*(1E-06, 4E-06)*	6E-05	*(1E-05, 2E-04)*	4E-04	*	*	*
CHROMIUM (III)	9E-10	*(7E-10, 1E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
CHROMIUM (VI)	1E-08	*(9E-09, 7E-08)*	7E-07	*	*	*	*	*
COBALT	1E-09	*(6E-10, 4E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(1E-08, 3E-08)*	4E-08	*
MANGANESE	4E-09	*(2E-09, 9E-09)*	4E-08	*	*	*	*	*
MERCURY (DIVALENT)	1E-07	*(5E-08, 6E-07)*	2E-05	*(4E-06, 3E-05)*	4E-05	*(1E-05, 7E-05)*	1E-04	*(3E-05, 2E-04)*
MERCURY (METHYL)	4E-05	*(2E-06, 1E-04)*	3E-03	*(4E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	*	*
NICKEL	7E-09	*(4E-09, 1E-08)*	2E-07	*(4E-08, 4E-07)*	4E-07	*(1E-07, 6E-07)*	6E-07	*(2E-07, 7E-07)*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	1E-10	*(7E-11, 1E-09)*	1E-07	*	*	*	*	*
THALLIUM	2E-06	*(5E-07, 7E-06)*	8E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	*	*
Hazard Index	1E-04	*(4E-05, 2E-04)*	3E-03	*(7E-04, 1E-02)*	3E-02	*(3E-03, 6E-02)*	9E-02	*(3E-02, 9E-02)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	2E-04	*(1E-05, 1E-03)*	1E-03	*(4E-05, 3E-03)*	5E-03	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-03	*(3E-03, 9E-03)*	3E-02	*(2E-02, 5E-02)*	6E-02	*(3E-02, 7E-02)*	*	*
TCDD-TEQ	8E-03	*(4E-03, 1E-02)*	4E-02	*(4E-02, 7E-02)*	8E-02	*(4E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B199. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-06	*(8E-07, 2E-06)*	1E-05	*(9E-06, 1E-05)*	**2E-05**	*(1E-05, 2E-05)*	**3E-05**	*(2E-05, 5E-05)*
ARSENIC	9E-11	*(4E-11, 2E-10)*	3E-09	*(1E-09, 1E-08)*	1E-08	*(3E-09, 5E-08)*	2E-07	*
Additive Risk	1E-06	*(9E-07, 3E-06)*	**1E-05**	*(1E-05, 2E-05)*	**2E-05**	*(1E-05, 2E-05)*	**3E-05**	*(2E-05, 5E-05)*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 4E-08)*	9E-08	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	8E-09	*(2E-09, 3E-08)*	3E-08	*(3E-09, 1E-07)*	3E-07	*
BERYLLIUM	9E-12	*(4E-12, 2E-11)*	2E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 6E-10)*	1E-09	*
CADMIUM	1E-10	*(1E-10, 2E-10)*	2E-09	*(6E-10, 6E-09)*	5E-09	*(1E-09, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(9E-10, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
NICKEL	5E-11	*(2E-11, 8E-11)*	6E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	7E-09	*(5E-09, 1E-08)*	4E-08	*(3E-08, 9E-08)*	1E-07	*(4E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 2E-06)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(1E-05, 2E-04)*	9E-04	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	3E-05	*(1E-05, 1E-04)*	1E-04	*(2E-05, 5E-04)*	2E-03	*
BARIUM	4E-08	*(2E-08, 6E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	4E-06	*(4E-06, 5E-06)*
BERYLLIUM	8E-09	*(4E-09, 1E-08)*	8E-08	*(4E-08, 2E-07)*	3E-07	*(7E-08, 5E-07)*	2E-06	*
CADMIUM	7E-06	*(3E-06, 2E-05)*	1E-04	*(6E-05, 4E-04)*	5E-04	*(1E-04, 1E-03)*	2E-03	*
CHROMIUM (III)	9E-09	*(6E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 4E-07)*	6E-07	*
CHROMIUM (VI)	3E-07	*(2E-07, 6E-07)*	3E-06	*(2E-06, 5E-06)*	8E-06	*(5E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
COBALT	4E-08	*(3E-08, 5E-08)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	*	*
MANGANESE	4E-08	*(3E-08, 5E-08)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	9E-07	*
MERCURY (DIVALENT)	3E-05	*(1E-05, 9E-05)*	1E-03	*(4E-04, 5E-03)*	5E-03	*(8E-04, 1E-02)*	4E-02	*
MERCURY (METHYL)	1E-04	*(5E-05, 2E-04)*	2E-02	*	*	*	*	*
NICKEL	1E-07	*(5E-08, 2E-07)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	7E-06	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 8E-04)*	2E-03	*
SILVER	4E-07	*(2E-07, 7E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	5E-05	*
THALLIUM	8E-06	*(3E-06, 1E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(5E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*
Hazard Index	3E-04	*(2E-04, 1E-03)*	4E-02	*(4E-03, 4E-02)*	4E-02	*(7E-03, 5E-02)*	6E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	2E-04	*(3E-05, 5E-04)*	5E-04	*(7E-05, 2E-03)*	4E-03	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-02	*(1E-02, 4E-02)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 3E-01)*	6E-01	*(3E-01, 8E-01)*
TCDD-TEQ	3E-02	*(2E-02, 5E-02)*	2E-01	*(2E-01, 3E-01)*	3E-01	*(3E-01, 4E-01)*	7E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B200. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-07	*(2E-07, 6E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(2E-06, 4E-06)*	*	*
ARSENIC	2E-11	*(9E-12, 4E-11)*	1E-09	*(2E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 7E-09)*
Additive Risk	4E-07	*(2E-07, 6E-07)*	2E-06	*(2E-06, 4E-06)*	4E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-09	*(1E-09, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 4E-08)*	7E-08	*
ARSENIC	1E-10	*(5E-11, 3E-10)*	8E-09	*(1E-09, 5E-08)*	5E-08	*(3E-09, 1E-07)*	2E-07	*
BERYLLIUM	7E-12	*(3E-12, 1E-11)*	2E-10	*(6E-11, 2E-10)*	3E-10	*(1E-10, 6E-10)*	8E-10	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(5E-10, 4E-09)*	4E-09	*(1E-09, 1E-08)*	2E-08	*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
NICKEL	3E-11	*(1E-11, 6E-11)*	5E-10	*(2E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	5E-09	*(4E-09, 8E-09)*	4E-08	*(2E-08, 8E-08)*	9E-08	*(4E-08, 2E-07)*	3E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(1E-08, 7E-07)*	3E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 4E-07)*	1E-05	*(2E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 6E-05)*
BARIUM	5E-09	*(2E-09, 9E-09)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(3E-07, 4E-07)*
BERYLLIUM	9E-09	*(5E-09, 1E-08)*	9E-08	*(3E-08, 1E-07)*	2E-07	*(9E-08, 5E-07)*	*	*
CADMIUM	2E-06	*(1E-06, 4E-06)*	5E-05	*(1E-05, 2E-04)*	4E-04	*	*	*
CHROMIUM (III)	4E-10	*(2E-10, 6E-10)*	6E-09	*(4E-09, 8E-09)*	9E-09	*(7E-09, 1E-08)*	3E-08	*
CHROMIUM (VI)	1E-08	*(9E-09, 4E-08)*	8E-07	*(1E-07, 2E-06)*	2E-06	*	*	*
COBALT	7E-10	*(4E-10, 3E-09)*	2E-08	*	*	*	*	*
MANGANESE	2E-09	*(1E-09, 8E-09)*	5E-08	*	*	*	*	*
MERCURY (DIVALENT)	7E-08	*(2E-08, 3E-07)*	7E-06	*(1E-06, 1E-05)*	1E-05	*(6E-06, 3E-05)*	5E-05	*(1E-05, 8E-05)*
MERCURY (METHYL)	4E-05	*(2E-06, 1E-04)*	3E-03	*(4E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	*	*
NICKEL	6E-09	*(3E-09, 1E-08)*	2E-07	*	*	*	*	*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	1E-10	*(7E-11, 9E-10)*	1E-07	*	*	*	*	*
THALLIUM	2E-06	*(6E-07, 6E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	*	*
Hazard Index	1E-04	*(4E-05, 2E-04)*	3E-03	*(7E-04, 1E-02)*	3E-02	*(3E-03, 6E-02)*	9E-02	*(3E-02, 9E-02)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(3E-05, 9E-05)*	1E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*(5E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	1E-04	*(7E-06, 8E-04)*	8E-04	*(2E-05, 2E-03)*	3E-03	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-03	*(3E-03, 1E-02)*	4E-02	*(3E-02, 6E-02)*	7E-02	*(4E-02, 8E-02)*	*	*
TCDD-TEQ	8E-03	*(4E-03, 1E-02)*	4E-02	*(4E-02, 7E-02)*	7E-02	*(4E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B201. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 5E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	4E-06	*(3E-06, 4E-06)*
ARSENIC	2E-10	*(8E-11, 4E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	3E-08	*(2E-08, 5E-08)*	6E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	4E-10	*(3E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(6E-11, 5E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*
BERYLLIUM	4E-12	*(3E-12, 6E-12)*	2E-10	*(6E-11, 5E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(2E-09, 8E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(3E-10, 7E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(8E-12, 3E-11)*	4E-10	*(3E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 1E-06)*	1E-03	*(2E-04, 2E-03)*	3E-03	*(1E-03, 9E-03)*	*	*
ARSENIC	5E-06	*(2E-06, 9E-06)*	2E-04	*(9E-05, 4E-04)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(8E-04, 1E-03)*
BARIUM	1E-07	*(7E-08, 1E-07)*	3E-06	*(2E-06, 5E-06)*	9E-06	*(4E-06, 2E-05)*	7E-05	*(3E-05, 9E-05)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	9E-07	*(5E-07, 2E-06)*	5E-06	*(1E-06, 2E-05)*	3E-05	*(9E-06, 4E-05)*
CADMIUM	1E-05	*(8E-06, 2E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(7E-04, 1E-03)*	5E-03	*
CHROMIUM (III)	2E-08	*(1E-08, 4E-08)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 6E-06)*
CHROMIUM (VI)	7E-07	*(4E-07, 1E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 8E-05)*	2E-04	*(9E-05, 3E-04)*
COBALT	1E-07	*(8E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	9E-08	*(6E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 8E-06)*
MERCURY (DIVALENT)	1E-04	*(8E-05, 3E-04)*	3E-03	*(2E-03, 4E-03)*	6E-03	*(4E-03, 8E-03)*	1E-02	*(1E-02, 1E-02)*
MERCURY (METHYL)	9E-04	*(3E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(9E-03, 4E-02)*	*	*
NICKEL	2E-07	*(1E-07, 6E-07)*	1E-05	*(8E-06, 2E-05)*	3E-05	*(2E-05, 5E-05)*	1E-04	*(1E-04, 1E-04)*
SELENIUM	1E-05	*(6E-06, 2E-05)*	4E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	5E-03	*(1E-03, 7E-03)*
SILVER	3E-06	*(1E-06, 4E-06)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 8E-04)*	5E-03	*(3E-04, 1E-02)*
THALLIUM	7E-06	*(4E-06, 9E-06)*	4E-04	*(2E-04, 9E-04)*	1E-03	*(8E-04, 3E-03)*	1E-02	*(9E-03, 1E-02)*
Hazard Index	2E-03	*(1E-03, 4E-03)*	2E-02	*(2E-02, 3E-02)*	4E-02	*(2E-02, 6E-02)*	2E-01	*(5E-02, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(8E-04, 2E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(4E-02, 9E-02)*	2E-01	*(1E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B202. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(2E-09, 4E-09)*	1E-07	*(6E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
ARSENIC	9E-11	*(4E-11, 1E-10)*	3E-09	*(9E-10, 1E-08)*	1E-08	*	*	*
Additive Risk	4E-09	*(2E-09, 6E-09)*	2E-07	*(6E-08, 4E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	4E-10	*(3E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(6E-11, 5E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(3E-08, 5E-08)*
BERYLLIUM	4E-12	*(2E-12, 6E-12)*	1E-10	*(6E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
CADMIUM	8E-11	*(5E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(2E-09, 8E-09)*	2E-08	*(1E-08, 3E-08)*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	1E-11	*(8E-12, 3E-11)*	4E-10	*(2E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	4E-09	*(2E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-08	*(1E-08, 1E-07)*	3E-04	*(9E-06, 2E-03)*	2E-03	*	*	*
ARSENIC	2E-06	*(9E-07, 4E-06)*	7E-05	*(3E-05, 3E-04)*	4E-04	*(9E-05, 6E-04)*	7E-04	*(4E-04, 7E-04)*
BARIUM	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(6E-07, 2E-06)*	9E-06	*(4E-06, 1E-05)*
BERYLLIUM	3E-08	*(1E-08, 4E-08)*	9E-07	*(4E-07, 2E-06)*	4E-06	*(1E-06, 1E-05)*	3E-05	*(9E-06, 4E-05)*
CADMIUM	6E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 4E-04)*	8E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	2E-09	*(1E-09, 4E-09)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*
CHROMIUM (VI)	3E-08	*(1E-08, 5E-08)*	3E-06	*(6E-07, 1E-05)*	1E-05	*(2E-06, 3E-05)*	*	*
COBALT	7E-10	*(5E-10, 9E-10)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(6E-08, 9E-08)*
MANGANESE	9E-09	*(6E-09, 1E-08)*	4E-07	*(1E-07, 7E-07)*	7E-07	*(3E-07, 8E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-06	*(5E-07, 3E-06)*	5E-05	*(2E-05, 1E-04)*	2E-04	*(5E-05, 5E-04)*	1E-03	*(3E-04, 2E-03)*
MERCURY (METHYL)	2E-05	*(7E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(7E-03, 7E-02)*	*	*
NICKEL	1E-08	*(6E-09, 3E-08)*	2E-06	*(6E-07, 5E-06)*	5E-06	*(1E-06, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	2E-09	*(9E-10, 8E-09)*	4E-07	*(9E-08, 8E-07)*	9E-07	*(3E-07, 2E-06)*	*	*
THALLIUM	1E-06	*(8E-07, 2E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 9E-04)*	2E-03	*(1E-03, 2E-03)*
Hazard Index	2E-04	*(9E-05, 5E-04)*	1E-02	*(6E-03, 3E-02)*	4E-02	*(1E-02, 9E-02)*	5E-01	*(8E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	6E-04	*(5E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(9E-05, 2E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B203. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(7E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*
ARSENIC	2E-10	*(8E-11, 3E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(7E-07, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	5E-10	*(3E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 5E-10)*	7E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	5E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(9E-08, 9E-07)*	8E-04	*(9E-05, 1E-03)*	1E-03	*(9E-04, 6E-03)*	9E-03	*
ARSENIC	3E-06	*(1E-06, 6E-06)*	1E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	7E-04	*(5E-04, 9E-04)*
BARIUM	6E-08	*(3E-08, 9E-08)*	1E-06	*(1E-06, 2E-06)*	5E-06	*(2E-06, 9E-06)*	3E-05	*(1E-05, 4E-05)*
BERYLLIUM	9E-09	*(6E-09, 2E-08)*	5E-07	*(2E-07, 1E-06)*	2E-06	*(6E-07, 9E-06)*	2E-05	*(4E-06, 2E-05)*
CADMIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	3E-03	*(2E-03, 7E-03)*
CHROMIUM (III)	1E-08	*(8E-09, 2E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
CHROMIUM (VI)	4E-07	*(2E-07, 7E-07)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	1E-04	*(5E-05, 1E-04)*
COBALT	7E-08	*(5E-08, 9E-08)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	6E-08	*(3E-08, 9E-08)*	9E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 5E-06)*
MERCURY (DIVALENT)	8E-05	*(4E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 5E-03)*	9E-03	*(7E-03, 9E-03)*
MERCURY (METHYL)	6E-04	*(2E-04, 9E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(5E-03, 3E-02)*	*	*
NICKEL	1E-07	*(6E-08, 3E-07)*	7E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 3E-05)*	7E-05	*(5E-05, 9E-05)*
SELENIUM	8E-06	*(5E-06, 1E-05)*	2E-04	*(2E-04, 4E-04)*	6E-04	*(3E-04, 9E-04)*	4E-03	*(1E-03, 5E-03)*
SILVER	1E-06	*(9E-07, 2E-06)*	5E-05	*(3E-05, 8E-05)*	1E-04	*(7E-05, 4E-04)*	3E-03	*(2E-04, 8E-03)*
THALLIUM	4E-06	*(2E-06, 7E-06)*	3E-04	*(1E-04, 6E-04)*	1E-03	*(5E-04, 2E-03)*	9E-03	*(7E-03, 1E-02)*
Hazard Index	2E-03	*(6E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(1E-02, 5E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	1E-02	*(9E-03, 2E-02)*	4E-02	*(2E-02, 5E-02)*	1E-01	*(8E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B204. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 5E-09)*	2E-07	*(8E-08, 4E-07)*	7E-07	*(3E-07, 8E-07)*	2E-06	*
ARSENIC	9E-11	*(3E-11, 1E-10)*	2E-09	*(8E-10, 9E-09)*	1E-08	*	*	*
Additive Risk	4E-09	*(3E-09, 7E-09)*	3E-07	*(9E-08, 5E-07)*	7E-07	*(3E-07, 9E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	3E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	1E-10	*(6E-11, 3E-10)*	5E-10	*(2E-10, 8E-10)*	2E-09	*
CADMIUM	9E-11	*(6E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	4E-10	*(3E-10, 7E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(9E-09, 7E-08)*	2E-04	*(4E-06, 6E-04)*	8E-04	*	*	*
ARSENIC	1E-06	*(6E-07, 2E-06)*	5E-05	*(1E-05, 1E-04)*	2E-04	*(5E-05, 3E-04)*	4E-04	*
BARIUM	8E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(1E-07, 7E-07)*	2E-06	*(9E-07, 3E-06)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	3E-07	*(2E-07, 9E-07)*	2E-06	*(4E-07, 6E-06)*	2E-05	*(4E-06, 3E-05)*
CADMIUM	5E-06	*(2E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(3E-04, 9E-04)*	1E-03	*
CHROMIUM (III)	6E-10	*(3E-10, 9E-10)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*
CHROMIUM (VI)	1E-08	*(7E-09, 3E-08)*	1E-06	*(4E-07, 7E-06)*	8E-06	*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	4E-09	*(2E-09, 5E-09)*	7E-09	*(5E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
MANGANESE	4E-09	*(2E-09, 7E-09)*	2E-07	*(4E-08, 4E-07)*	4E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 8E-07)*
MERCURY (DIVALENT)	4E-07	*(1E-07, 8E-07)*	1E-05	*(6E-06, 3E-05)*	5E-05	*(1E-05, 9E-05)*	3E-04	*(7E-05, 5E-04)*
MERCURY (METHYL)	2E-05	*(5E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(7E-03, 7E-02)*	*	*
NICKEL	8E-09	*(3E-09, 1E-08)*	9E-07	*(3E-07, 2E-06)*	2E-06	*(7E-07, 3E-06)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	9E-10	*(4E-10, 5E-09)*	2E-07	*(5E-08, 5E-07)*	5E-07	*(1E-07, 9E-07)*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	6E-05	*(2E-05, 1E-04)*	2E-04	*(9E-05, 7E-04)*	2E-03	*(8E-04, 2E-03)*
Hazard Index	2E-04	*(8E-05, 4E-04)*	9E-03	*(5E-03, 3E-02)*	4E-02	*(9E-03, 9E-02)*	5E-01	*(8E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	6E-04	*(5E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(8E-05, 2E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B205. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(6E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*
ARSENIC	9E-11	*(4E-11, 2E-10)*	6E-09	*(2E-09, 9E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	1E-08	*(7E-09, 2E-08)*	2E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 8E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 8E-10)*	2E-09	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	1E-10	*(5E-11, 3E-10)*	5E-10	*(1E-10, 7E-10)*	1E-09	*
CADMIUM	7E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 4E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*
Additive Risk	1E-09	*(8E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(5E-08, 4E-07)*	4E-04	*(6E-05, 9E-04)*	9E-04	*(5E-04, 3E-03)*	5E-03	*(1E-03, 6E-03)*
ARSENIC	2E-06	*(8E-07, 4E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	3E-08	*(1E-08, 4E-08)*	8E-07	*(5E-07, 1E-06)*	2E-06	*(9E-07, 4E-06)*	1E-05	*(7E-06, 2E-05)*
BERYLLIUM	5E-09	*(3E-09, 9E-09)*	2E-07	*(1E-07, 6E-07)*	1E-06	*(3E-07, 6E-06)*	1E-05	*(2E-06, 1E-05)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 7E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	7E-09	*(3E-09, 9E-09)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	1E-07	*(9E-08, 3E-07)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	6E-05	*(2E-05, 7E-05)*
COBALT	3E-08	*(2E-08, 5E-08)*	5E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MANGANESE	3E-08	*(1E-08, 4E-08)*	4E-07	*(3E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
MERCURY (DIVALENT)	4E-05	*(2E-05, 9E-05)*	9E-04	*(6E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	5E-03	*(3E-03, 5E-03)*
MERCURY (METHYL)	3E-04	*(1E-04, 5E-04)*	5E-03	*(1E-03, 7E-03)*	8E-03	*(3E-03, 1E-02)*	*	*
NICKEL	8E-08	*(3E-08, 1E-07)*	3E-06	*(2E-06, 6E-06)*	9E-06	*(5E-06, 1E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	4E-06	*(2E-06, 7E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(6E-04, 2E-03)*
SILVER	7E-07	*(4E-07, 9E-07)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 2E-04)*	1E-03	*(8E-05, 4E-03)*
THALLIUM	2E-06	*(1E-06, 3E-06)*	1E-04	*(7E-05, 3E-04)*	5E-04	*(2E-04, 9E-04)*	4E-03	*(3E-03, 6E-03)*
Hazard Index	8E-04	*(3E-04, 1E-03)*	8E-03	*(5E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	7E-02	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-04	*(1E-04, 5E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
TCDD-TEQ	4E-04	*(2E-04, 7E-04)*	8E-03	*(5E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B206. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 4E-09)*	1E-07	*(6E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
ARSENIC	6E-11	*(2E-11, 9E-11)*	2E-09	*(5E-10, 7E-09)*	9E-09	*(2E-09, 1E-08)*	*	*
Additive Risk	3E-09	*(2E-09, 5E-09)*	2E-07	*(6E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 8E-10)*	2E-09	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
CADMIUM	6E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*(8E-09, 2E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(5E-09, 4E-08)*	1E-04	*(2E-06, 7E-04)*	8E-04	*	*	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	3E-05	*(9E-06, 1E-04)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	4E-09	*(1E-09, 9E-09)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 3E-07)*	1E-06	*(6E-07, 1E-06)*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	2E-07	*(1E-07, 7E-07)*	1E-06	*(2E-07, 4E-06)*	1E-05	*(2E-06, 2E-05)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(2E-04, 7E-04)*	9E-04	*
CHROMIUM (III)	3E-10	*(2E-10, 6E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(4E-08, 7E-08)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	9E-07	*(2E-07, 4E-06)*	5E-06	*	*	*
COBALT	9E-10	*(4E-10, 1E-09)*	5E-08	*(9E-09, 9E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*
MANGANESE	2E-09	*(1E-09, 4E-09)*	1E-07	*(2E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*
MERCURY (DIVALENT)	2E-07	*(8E-08, 4E-07)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 7E-05)*	2E-04	*(4E-05, 3E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(1E-03, 1E-02)*	3E-02	*(5E-03, 5E-02)*	2E-01	*
NICKEL	5E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	5E-10	*(2E-10, 3E-09)*	2E-07	*(4E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	*	*
THALLIUM	8E-07	*(4E-07, 1E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(6E-05, 7E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(5E-05, 2E-04)*	7E-03	*(3E-03, 2E-02)*	3E-02	*(7E-03, 6E-02)*	3E-01	*(5E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	6E-04	*(5E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-05	*(4E-05, 1E-04)*	5E-03	*(1E-03, 7E-03)*	9E-03	*(6E-03, 2E-02)*	5E-02	*
TCDD-TEQ	1E-04	*(6E-05, 1E-04)*	6E-03	*(2E-03, 9E-03)*	2E-02	*(8E-03, 3E-02)*	7E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B207. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(7E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	2E-10	*(8E-11, 4E-10)*	9E-09	*(3E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*
Additive Risk	1E-08	*(9E-09, 2E-08)*	3E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 4E-11)*	4E-10	*(3E-10, 6E-10)*	8E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 5E-10)*	7E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	1E-10	*(6E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	1E-08	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(6E-10, 2E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(4E-08, 3E-07)*	3E-04	*(6E-05, 9E-04)*	9E-04	*(4E-04, 2E-03)*	6E-03	*(1E-03, 7E-03)*
ARSENIC	2E-06	*(7E-07, 4E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	1E-08	*(9E-09, 3E-08)*	4E-07	*(2E-07, 5E-07)*	1E-06	*(5E-07, 2E-06)*	9E-06	*(3E-06, 9E-06)*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	2E-07	*(9E-08, 4E-07)*	8E-07	*(2E-07, 4E-06)*	8E-06	*(1E-06, 9E-06)*
CADMIUM	6E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 8E-04)*	2E-03	*(1E-03, 4E-03)*
CHROMIUM (III)	3E-09	*(2E-09, 6E-09)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	7E-07	*(5E-07, 9E-07)*
CHROMIUM (VI)	1E-07	*(6E-08, 2E-07)*	7E-06	*(2E-06, 1E-05)*	1E-05	*(7E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(1E-06, 2E-06)*
MANGANESE	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	1E-06	*(1E-06, 1E-06)*
MERCURY (DIVALENT)	2E-05	*(1E-05, 6E-05)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(9E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*
MERCURY (METHYL)	3E-04	*(1E-04, 5E-04)*	4E-03	*(1E-03, 8E-03)*	8E-03	*(3E-03, 2E-02)*	*	*
NICKEL	5E-08	*(2E-08, 1E-07)*	2E-06	*(1E-06, 4E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*
SELENIUM	4E-06	*(2E-06, 8E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	4E-07	*(2E-07, 5E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 9E-05)*	7E-04	*(3E-05, 1E-03)*
THALLIUM	2E-06	*(1E-06, 3E-06)*	1E-04	*(6E-05, 3E-04)*	5E-04	*(2E-04, 9E-04)*	4E-03	*(3E-03, 5E-03)*
Hazard Index	8E-04	*(3E-04, 1E-03)*	8E-03	*(5E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	8E-02	*(2E-02, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 3E-04)*	5E-03	*(3E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	3E-02	*(2E-02, 3E-02)*
TCDD-TEQ	2E-04	*(1E-04, 4E-04)*	5E-03	*(3E-03, 8E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B208. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-09	*(3E-09, 7E-09)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*
ARSENIC	9E-11	*(3E-11, 1E-10)*	4E-09	*(9E-10, 1E-08)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
Additive Risk	6E-09	*(3E-09, 9E-09)*	3E-07	*(1E-07, 7E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 8E-10)*	2E-09	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
CADMIUM	6E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*(8E-09, 2E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 4E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(2E-09, 4E-08)*	1E-04	*(2E-06, 8E-04)*	9E-04	*	*	*
ARSENIC	9E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 1E-04)*	1E-04	*	*	*
BARIUM	2E-09	*(8E-10, 5E-09)*	5E-08	*(2E-08, 6E-08)*	9E-08	*(5E-08, 1E-07)*	5E-07	*(2E-07, 7E-07)*
BERYLLIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 5E-07)*	9E-07	*(2E-07, 3E-06)*	1E-05	*(1E-06, 1E-05)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	2E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	1E-10	*(9E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	8E-09	*(6E-09, 9E-09)*	2E-08	*(2E-08, 3E-08)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	1E-06	*(1E-07, 5E-06)*	5E-06	*(9E-07, 9E-06)*	*	*
COBALT	6E-10	*(2E-10, 1E-09)*	5E-08	*(5E-09, 9E-08)*	9E-08	*(2E-08, 1E-07)*	1E-07	*
MANGANESE	1E-09	*(8E-10, 4E-09)*	1E-07	*(1E-08, 3E-07)*	3E-07	*(9E-08, 4E-07)*	4E-07	*
MERCURY (DIVALENT)	9E-08	*(4E-08, 2E-07)*	3E-06	*(1E-06, 7E-06)*	9E-06	*(3E-06, 3E-05)*	7E-05	*(1E-05, 1E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(9E-04, 1E-02)*	3E-02	*(5E-03, 5E-02)*	2E-01	*
NICKEL	4E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	6E-10	*(1E-10, 4E-09)*	2E-07	*(4E-08, 5E-07)*	5E-07	*(1E-07, 7E-07)*	*	*
THALLIUM	8E-07	*(4E-07, 1E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(6E-05, 8E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(5E-05, 3E-04)*	7E-03	*(3E-03, 2E-02)*	3E-02	*(7E-03, 6E-02)*	3E-01	*(5E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-07	*(4E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*(9E-05, 2E-04)*
CHLORINE (CL2)	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 6E-03)*	8E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	5E-05	*(3E-05, 7E-05)*	6E-04	*(4E-04, 8E-04)*	1E-03	*(7E-04, 1E-03)*	3E-03	*
MANGANESE	2E-05	*(2E-05, 3E-05)*	2E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*	7E-04	*(7E-04, 9E-04)*
MERCURY (ELEMENTAL)	8E-07	*(3E-07, 2E-06)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(5E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
Hazard Index	4E-04	*(3E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(5E-05, 1E-04)*	6E-03	*(2E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*
TCDD-TEQ	9E-05	*(6E-05, 1E-04)*	6E-03	*(2E-03, 9E-03)*	2E-02	*(8E-03, 3E-02)*	7E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B209. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(9E-08, 3E-07)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(4E-06, 8E-06)*
ARSENIC	8E-10	*(1E-10, 3E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*
Additive Risk	2E-07	*(1E-07, 4E-07)*	2E-06	*(2E-06, 4E-06)*	4E-06	*(2E-06, 4E-06)*	6E-06	*(4E-06, 8E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*
ARSENIC	7E-10	*(2E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 2E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 3E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	2E-10	*(9E-11, 4E-10)*	5E-09	*(4E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	5E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(6E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(2E-06, 2E-04)*	4E-03	*(1E-03, 6E-03)*	7E-03	*(2E-03, 9E-03)*	*	*
ARSENIC	2E-05	*(4E-06, 6E-05)*	4E-04	*(3E-04, 6E-04)*	9E-04	*(7E-04, 1E-03)*	4E-03	*(4E-03, 4E-03)*
BARIUM	9E-07	*(3E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 5E-05)*	1E-04	*(1E-04, 1E-04)*
BERYLLIUM	9E-08	*(4E-08, 1E-07)*	1E-06	*(8E-07, 5E-06)*	5E-06	*(1E-06, 2E-05)*	6E-05	*(2E-06, 7E-05)*
CADMIUM	3E-05	*(1E-05, 5E-05)*	9E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-07	*(7E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(3E-06, 5E-06)*	*	*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	4E-06	*(2E-06, 6E-06)*	9E-06	*(8E-06, 9E-06)*	6E-05	*(5E-05, 6E-05)*
COBALT	9E-07	*(4E-07, 1E-06)*	8E-06	*(7E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	3E-05	*(3E-05, 3E-05)*
MANGANESE	9E-07	*(3E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MERCURY (DIVALENT)	9E-04	*(4E-04, 1E-03)*	8E-03	*(6E-03, 9E-03)*	1E-02	*(9E-03, 1E-02)*	*	*
MERCURY (METHYL)	3E-03	*(2E-03, 4E-03)*	*	*	*	*	*	*
NICKEL	1E-06	*(6E-07, 3E-06)*	5E-05	*(3E-05, 7E-05)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(4E-04, 4E-04)*
SELENIUM	8E-05	*(3E-05, 1E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
SILVER	2E-05	*(9E-06, 4E-05)*	3E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 8E-04)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	1E-04	*(4E-05, 5E-04)*	9E-03	*(8E-03, 1E-02)*	3E-02	*(1E-02, 4E-02)*	2E-01	*(2E-01, 2E-01)*
Hazard Index	9E-03	*(6E-03, 2E-02)*	6E-02	*(4E-02, 6E-02)*	7E-02	*(6E-02, 7E-02)*	2E-01	*(2E-01, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-03	*(5E-03, 1E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 4E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B210. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(8E-09, 3E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*
ARSENIC	2E-10	*(6E-11, 1E-09)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	3E-08	*(1E-08, 4E-08)*	1E-07	*(9E-08, 3E-07)*	5E-07	*(1E-07, 5E-07)*	5E-07	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	3E-09	*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*
CADMIUM	1E-10	*(9E-11, 4E-10)*	6E-09	*(4E-09, 8E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 2E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(2E-08, 4E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 9E-06)*	*	*	*	*	*	*
ARSENIC	7E-06	*(1E-06, 3E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(4E-04, 4E-04)*
BARIUM	1E-07	*(5E-08, 3E-07)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(3E-06, 6E-06)*	1E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-07	*(8E-08, 2E-07)*	1E-06	*(7E-07, 2E-05)*	2E-05	*(9E-07, 4E-05)*	6E-05	*(2E-06, 7E-05)*
CADMIUM	1E-05	*(4E-06, 3E-05)*	7E-04	*(5E-04, 7E-04)*	9E-04	*(9E-04, 1E-03)*	*	*
CHROMIUM (III)	9E-09	*(7E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(7E-07, 8E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*
COBALT	6E-09	*(3E-09, 9E-09)*	7E-08	*(6E-08, 8E-08)*	9E-08	*(9E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
MANGANESE	6E-08	*(3E-08, 2E-07)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-05	*(9E-06, 3E-05)*	2E-04	*(7E-05, 6E-04)*	6E-04	*(9E-05, 9E-04)*	*	*
MERCURY (METHYL)	9E-04	*(3E-04, 2E-03)*	4E-02	*(5E-03, 8E-02)*	9E-02	*	*	*
NICKEL	6E-08	*(2E-08, 4E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	5E-09	*(2E-09, 1E-08)*	2E-06	*	*	*	*	*
THALLIUM	2E-05	*(6E-06, 1E-04)*	9E-04	*(4E-04, 2E-03)*	4E-03	*(2E-03, 5E-03)*	*	*
Hazard Index	4E-03	*(1E-03, 6E-03)*	9E-02	*(1E-02, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-04	*(3E-04, 1E-03)*	6E-03	*(4E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B211. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(8E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*
ARSENIC	8E-10	*(1E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*
Additive Risk	2E-07	*(1E-07, 3E-07)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(3E-06, 6E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 2E-10)*	2E-09	*(8E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*(3E-09, 4E-09)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*(2E-10, 8E-09)*
CADMIUM	2E-10	*(1E-10, 4E-10)*	6E-09	*(4E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(9E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 6E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	9E-06	*(1E-06, 1E-04)*	2E-03	*(9E-04, 4E-03)*	5E-03	*(1E-03, 6E-03)*	*	*
ARSENIC	1E-05	*(3E-06, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
BARIUM	4E-07	*(1E-07, 9E-07)*	1E-05	*(8E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	6E-05	*(5E-05, 6E-05)*
BERYLLIUM	3E-08	*(2E-08, 7E-08)*	7E-07	*(3E-07, 2E-06)*	2E-06	*(5E-07, 8E-06)*	*	*
CADMIUM	2E-05	*(9E-06, 4E-05)*	6E-04	*(3E-04, 9E-04)*	1E-03	*(1E-03, 2E-03)*	9E-03	*(8E-03, 9E-03)*
CHROMIUM (III)	6E-08	*(4E-08, 9E-08)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*
CHROMIUM (VI)	1E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	3E-05	*(3E-05, 3E-05)*
COBALT	5E-07	*(2E-07, 8E-07)*	5E-06	*(4E-06, 6E-06)*	7E-06	*(6E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	5E-07	*(2E-07, 7E-07)*	4E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
MERCURY (DIVALENT)	6E-04	*(2E-04, 9E-04)*	5E-03	*(3E-03, 6E-03)*	8E-03	*(5E-03, 9E-03)*	*	*
MERCURY (METHYL)	2E-03	*(1E-03, 3E-03)*	*	*	*	*	*	*
NICKEL	9E-07	*(3E-07, 1E-06)*	3E-05	*(2E-05, 4E-05)*	8E-05	*(6E-05, 1E-04)*	2E-04	*(2E-04, 2E-04)*
SELENIUM	5E-05	*(2E-05, 8E-05)*	9E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	7E-03	*(6E-03, 7E-03)*
SILVER	9E-06	*(5E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(8E-04, 8E-04)*
THALLIUM	1E-04	*(2E-05, 3E-04)*	8E-03	*(6E-03, 9E-03)*	2E-02	*(1E-02, 3E-02)*	9E-02	*(9E-02, 1E-01)*
Hazard Index	6E-03	*(4E-03, 1E-02)*	4E-02	*(3E-02, 5E-02)*	5E-02	*(4E-02, 5E-02)*	1E-01	*(1E-01, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(3E-03, 9E-03)*	6E-02	*(4E-02, 9E-02)*	9E-02	*(6E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B212. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 5E-08)*	2E-07	*	*	*	*	*
ARSENIC	3E-10	*(4E-11, 1E-09)*	6E-09	*(4E-09, 7E-09)*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 6E-07)*	7E-07	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(9E-11, 2E-10)*	2E-09	*(9E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 2E-09)*	2E-09	*(1E-10, 4E-09)*	6E-09	*
CADMIUM	2E-10	*(1E-10, 5E-10)*	6E-09	*(5E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(6E-08, 7E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	7E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(3E-09, 7E-09)*	9E-09	*(9E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 6E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(1E-07, 4E-06)*	*	*	*	*	*	*
ARSENIC	5E-06	*(7E-07, 2E-05)*	9E-05	*(8E-05, 1E-04)*	*	*	*	*
BARIUM	4E-08	*(1E-08, 1E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	4E-06	*(4E-06, 4E-06)*
BERYLLIUM	7E-08	*(3E-08, 9E-08)*	5E-07	*(2E-07, 8E-06)*	8E-06	*(3E-07, 3E-05)*	4E-05	*
CADMIUM	9E-06	*(3E-06, 3E-05)*	6E-04	*(5E-04, 7E-04)*	9E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	3E-09	*(1E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 9E-08)*	9E-08	*
COBALT	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(5E-08, 6E-08)*
MANGANESE	2E-08	*(9E-09, 6E-08)*	3E-07	*(1E-07, 8E-07)*	7E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 9E-06)*	6E-05	*(2E-05, 1E-04)*	2E-04	*(3E-05, 3E-04)*	*	*
MERCURY (METHYL)	9E-04	*(3E-04, 2E-03)*	4E-02	*(4E-03, 8E-02)*	9E-02	*	*	*
NICKEL	3E-08	*(1E-08, 2E-07)*	8E-07	*(5E-07, 8E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	2E-09	*(9E-10, 9E-09)*	8E-07	*	*	*	*	*
THALLIUM	1E-05	*(5E-06, 1E-04)*	8E-04	*(4E-04, 1E-03)*	4E-03	*(2E-03, 4E-03)*	*	*
Hazard Index	3E-03	*(1E-03, 5E-03)*	9E-02	*(1E-02, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-04	*(3E-04, 1E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B213. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(4E-08, 1E-07)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*
ARSENIC	4E-10	*(9E-11, 1E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	8E-08	*(7E-08, 8E-08)*
Additive Risk	7E-08	*(5E-08, 1E-07)*	8E-07	*(7E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	1E-09	*(5E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	9E-12	*(7E-12, 2E-11)*	1E-10	*(5E-11, 9E-10)*	9E-10	*(8E-11, 3E-09)*	4E-09	*(1E-10, 5E-09)*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(7E-09, 1E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	8E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	2E-09	*(9E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 7E-08)*	9E-08	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-06	*(8E-07, 8E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(8E-04, 3E-03)*	*	*
ARSENIC	7E-06	*(1E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(9E-04, 1E-03)*
BARIUM	2E-07	*(6E-08, 5E-07)*	5E-06	*(4E-06, 7E-06)*	9E-06	*(6E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	3E-07	*(1E-07, 8E-07)*	8E-07	*(3E-07, 4E-06)*	8E-06	*(5E-07, 1E-05)*
CADMIUM	1E-05	*(5E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	8E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	3E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	8E-08	*(7E-08, 9E-08)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	9E-06	*(8E-06, 1E-05)*
COBALT	2E-07	*(1E-07, 4E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	2E-07	*(9E-08, 4E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 7E-06)*
MERCURY (DIVALENT)	3E-04	*(1E-04, 5E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	7E-03	*(5E-03, 9E-03)*
MERCURY (METHYL)	1E-03	*(9E-04, 1E-03)*	*	*	*	*	*	*
NICKEL	5E-07	*(2E-07, 8E-07)*	1E-05	*(9E-06, 2E-05)*	5E-05	*(3E-05, 6E-05)*	1E-04	*(9E-05, 1E-04)*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	8E-04	*(6E-04, 1E-03)*	4E-03	*(3E-03, 4E-03)*
SILVER	5E-06	*(2E-06, 9E-06)*	8E-05	*(6E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(4E-04, 4E-04)*
THALLIUM	6E-05	*(1E-05, 1E-04)*	4E-03	*(2E-03, 4E-03)*	8E-03	*(6E-03, 1E-02)*	7E-02	*(6E-02, 7E-02)*
Hazard Index	3E-03	*(2E-03, 6E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 3E-02)*	8E-02	*(7E-02, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(9E-04, 3E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	7E-02	*(4E-02, 8E-02)*
TCDD-TEQ	2E-03	*(1E-03, 5E-03)*	3E-02	*(2E-02, 5E-02)*	5E-02	*(3E-02, 6E-02)*	8E-02	*(6E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B214. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(6E-09, 3E-08)*	1E-07	*	*	*	*	*
ARSENIC	2E-10	*(2E-11, 7E-10)*	4E-09	*(3E-09, 5E-09)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 1E-08)*
Additive Risk	2E-08	*(7E-09, 3E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(6E-11, 1E-10)*	1E-09	*(6E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	2E-09	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(5E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	4E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(8E-09, 2E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(7E-11, 2E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	9E-08	*(9E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(7E-08, 3E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(4E-07, 1E-05)*	8E-05	*(5E-05, 9E-05)*	*	*	*	*
BARIUM	2E-08	*(8E-09, 7E-08)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(4E-07, 9E-07)*	2E-06	*(2E-06, 2E-06)*
BERYLLIUM	4E-08	*(2E-08, 6E-08)*	3E-07	*(1E-07, 9E-06)*	9E-06	*(2E-07, 2E-05)*	*	*
CADMIUM	7E-06	*(2E-06, 2E-05)*	4E-04	*(4E-04, 5E-04)*	6E-04	*(5E-04, 7E-04)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*	*	*
CHROMIUM (VI)	9E-09	*(3E-09, 1E-08)*	2E-08	*	*	*	*	*
COBALT	4E-09	*(1E-09, 9E-09)*	8E-08	*	*	*	*	*
MANGANESE	1E-08	*(5E-09, 3E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-06	*(1E-06, 5E-06)*	3E-05	*(9E-06, 8E-05)*	9E-05	*(1E-05, 1E-04)*	*	*
MERCURY (METHYL)	6E-04	*(2E-04, 1E-03)*	3E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	2E-08	*(7E-09, 1E-07)*	5E-07	*(3E-07, 5E-07)*	6E-07	*(5E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	9E-10	*(5E-10, 5E-09)*	5E-07	*	*	*	*	*
THALLIUM	1E-05	*(4E-06, 9E-05)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	2E-03	*(8E-04, 3E-03)*	6E-02	*(7E-03, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(1E-04, 9E-04)*	3E-03	*	*	*	*	*
TCDD-TEQ	8E-04	*(2E-04, 1E-03)*	5E-03	*(4E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B215. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(5E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	7E-10	*(1E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(9E-08, 1E-07)*
Additive Risk	9E-08	*(6E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	2E-10	*(1E-10, 4E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(4E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(5E-07, 6E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
ARSENIC	7E-06	*(1E-06, 2E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(9E-04, 1E-03)*
BARIUM	1E-07	*(3E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
BERYLLIUM	1E-08	*(7E-09, 3E-08)*	3E-07	*(1E-07, 8E-07)*	8E-07	*(2E-07, 3E-06)*	*	*
CADMIUM	1E-05	*(6E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	9E-04	*(8E-04, 1E-03)*	5E-03	*(4E-03, 5E-03)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	2E-07	*(2E-07, 3E-07)*	7E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*
CHROMIUM (VI)	5E-08	*(4E-08, 7E-08)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*
COBALT	1E-07	*(8E-08, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	2E-07	*(7E-08, 3E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	1E-04	*(8E-05, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*	5E-03	*(4E-03, 6E-03)*
MERCURY (METHYL)	9E-04	*(9E-04, 1E-03)*	*	*	*	*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	7E-06	*(6E-06, 9E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(6E-05, 6E-05)*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	9E-04	*(6E-04, 1E-03)*	4E-03	*(4E-03, 4E-03)*
SILVER	2E-06	*(1E-06, 4E-06)*	3E-05	*(2E-05, 6E-05)*	7E-05	*(4E-05, 8E-05)*	2E-04	*(2E-04, 2E-04)*
THALLIUM	5E-05	*(9E-06, 1E-04)*	3E-03	*(2E-03, 4E-03)*	8E-03	*(5E-03, 1E-02)*	6E-02	*(5E-02, 6E-02)*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 2E-02)*	6E-02	*(6E-02, 7E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*
TCDD-TEQ	1E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B216. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(9E-09, 6E-08)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 8E-07)*	*	*
ARSENIC	4E-10	*(4E-11, 1E-09)*	9E-09	*(5E-09, 1E-08)*	*	*	*	*
Additive Risk	5E-08	*(1E-08, 6E-08)*	2E-07	*(2E-07, 4E-07)*	5E-07	*(2E-07, 8E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(6E-11, 1E-10)*	1E-09	*(6E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	2E-09	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(5E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	4E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(8E-09, 2E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(6E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	9E-08	*(9E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(6E-08, 3E-06)*	*	*	*	*	*	*
ARSENIC	3E-06	*(4E-07, 1E-05)*	8E-05	*(5E-05, 9E-05)*	*	*	*	*
BARIUM	9E-09	*(4E-09, 4E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(8E-07, 9E-07)*
BERYLLIUM	3E-08	*(1E-08, 4E-08)*	2E-07	*(1E-07, 7E-06)*	6E-06	*(1E-07, 1E-05)*[A]	*	*
CADMIUM	7E-06	*(2E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 6E-04)*	*	*
CHROMIUM (III)	7E-10	*(4E-10, 1E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	7E-09	*(3E-09, 9E-09)*	2E-08	*	*	*	*	*
COBALT	3E-09	*(6E-10, 5E-09)*	8E-08	*	*	*	*	*
MANGANESE	9E-09	*(2E-09, 1E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	8E-07	*(5E-07, 2E-06)*	1E-05	*(4E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
MERCURY (METHYL)	6E-04	*(2E-04, 1E-03)*	3E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	1E-08	*(7E-09, 1E-07)*	5E-07	*(2E-07, 6E-07)*	7E-07	*(4E-07, 7E-07)*	*	*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	1E-09	*(2E-10, 6E-09)*	6E-07	*	*	*	*	*
THALLIUM	1E-05	*(2E-06, 9E-05)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	2E-03	*(8E-04, 3E-03)*	6E-02	*(7E-03, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	4E-06	*(2E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*(6E-05, 9E-05)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 3E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 1E-03)*	1E-03	*(3E-04, 2E-03)*	3E-03	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	7E-04	*(7E-04, 8E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 1E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	3E-04	*(3E-04, 4E-04)*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 4E-03)*	4E-03	*(3E-03, 6E-03)*	8E-03	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(1E-04, 9E-04)*	4E-03	*	*	*	*	*
TCDD-TEQ	8E-04	*(2E-04, 1E-03)*	5E-03	*(4E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B217. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(5E-08, 1E-07)*	1E-06	*(5E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	4E-06	*(2E-06, 5E-06)*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(6E-08, 2E-07)*	1E-06	*(5E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(4E-11, 1E-10)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	2E-09	*
ARSENIC	1E-09	*(4E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(9E-12, 7E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 1E-09)*	2E-09	*
CADMIUM	5E-10	*(3E-10, 8E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 6E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-05	*(9E-06, 2E-04)*	3E-03	*(1E-03, 1E-02)*	9E-03	*	*	*
ARSENIC	1E-05	*(9E-06, 4E-05)*	6E-04	*(4E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(9E-04, 1E-03)*
BARIUM	3E-07	*(2E-07, 7E-07)*	6E-06	*(3E-06, 2E-05)*	3E-05	*(5E-06, 5E-05)*	9E-05	*(4E-05, 1E-04)*
BERYLLIUM	2E-07	*(6E-08, 5E-07)*	1E-05	*(2E-06, 3E-05)*	2E-05	*(5E-06, 3E-05)*	4E-05	*
CADMIUM	9E-05	*(6E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(1E-03, 4E-03)*	*	*
CHROMIUM (III)	1E-07	*(9E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	6E-06	*(4E-06, 8E-06)*
CHROMIUM (VI)	8E-06	*(4E-06, 1E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
COBALT	2E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(5E-06, 8E-06)*
MANGANESE	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*
MERCURY (DIVALENT)	9E-04	*(7E-04, 1E-03)*	5E-03	*(3E-03, 7E-03)*	9E-03	*(5E-03, 1E-02)*	*	*
MERCURY (METHYL)	1E-03	*(1E-03, 2E-03)*	8E-03	*	*	*	*	*
NICKEL	3E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 6E-05)*	8E-05	*(3E-05, 9E-05)*	*	*
SELENIUM	4E-05	*(2E-05, 8E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(6E-04, 4E-03)*	7E-03	*
SILVER	5E-06	*(3E-06, 9E-06)*	1E-04	*(5E-05, 2E-03)*	2E-03	*(9E-05, 8E-03)*	2E-02	*
THALLIUM	1E-05	*(5E-06, 3E-05)*	8E-04	*(2E-04, 2E-03)*	1E-03	*(4E-04, 5E-03)*	9E-03	*(9E-04, 1E-02)*
Hazard Index	5E-03	*(4E-03, 6E-03)*	3E-02	*(2E-02, 2E-01)*	2E-01	*(2E-02, 2E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 8E-03)*	6E-02	*(2E-02, 9E-02)*	9E-02	*(5E-02, 1E-01)*	2E-01	*(1E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B218. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*	*	*	*	*
Additive Risk	3E-08	*(8E-09, 1E-07)*	8E-07	*(4E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(6E-12, 5E-11)*	6E-10	*(2E-10, 8E-10)*	8E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	5E-10	*(3E-10, 8E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(5E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 6E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(3E-07, 5E-05)*	2E-03	*	*	*	*	*
ARSENIC	6E-06	*(3E-06, 1E-05)*	4E-04	*(7E-05, 6E-04)*	6E-04	*(3E-04, 6E-04)*	7E-04	*
BARIUM	7E-08	*(4E-08, 9E-08)*	8E-07	*(4E-07, 3E-06)*	4E-06	*(7E-07, 8E-06)*	1E-05	*
BERYLLIUM	2E-07	*(5E-08, 4E-07)*	8E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	4E-05	*(1E-05, 5E-05)*
CADMIUM	4E-05	*(1E-05, 6E-05)*	9E-04	*(3E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	*	*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	2E-07	*(6E-08, 1E-06)*	1E-05	*	*	*	*	*
COBALT	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
MANGANESE	4E-08	*(1E-08, 9E-08)*	4E-07	*(1E-07, 5E-07)*	5E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 5E-06)*	6E-05	*(1E-05, 5E-04)*	4E-04	*(4E-05, 1E-03)*	2E-03	*(7E-05, 3E-03)*
MERCURY (METHYL)	1E-06	*(3E-07, 9E-05)*	2E-03	*(5E-04, 4E-02)*	3E-02	*(1E-03, 1E-01)*	*	*
NICKEL	2E-07	*(5E-08, 6E-07)*	3E-06	*(9E-07, 7E-06)*	5E-06	*(2E-06, 1E-05)*	2E-05	*
SELENIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	1E-09	*(4E-10, 4E-08)*	5E-07	*	*	*	*	*
THALLIUM	2E-06	*(1E-06, 3E-06)*	5E-05	*(1E-05, 8E-04)*	5E-04	*(4E-05, 1E-03)*	2E-03	*(6E-05, 2E-03)*
Hazard Index	6E-04	*(2E-04, 9E-04)*	1E-02	*(4E-03, 5E-02)*	4E-02	*(9E-03, 2E-01)*	5E-01	*(1E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 5E-03)*	3E-02	*(1E-02, 6E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B219. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(4E-08, 1E-07)*	9E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	7E-10	*(3E-10, 2E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	8E-08	*(4E-08, 1E-07)*	1E-06	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	3E-09	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	3E-11	*(1E-11, 8E-11)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
CADMIUM	6E-10	*(4E-10, 9E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(9E-10, 3E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(7E-06, 1E-04)*	1E-03	*(7E-04, 7E-03)*	6E-03	*(9E-04, 9E-03)*	*	*
ARSENIC	1E-05	*(6E-06, 3E-05)*	4E-04	*(2E-04, 4E-04)*	5E-04	*(3E-04, 6E-04)*	9E-04	*
BARIUM	1E-07	*(9E-08, 3E-07)*	3E-06	*(1E-06, 1E-05)*	1E-05	*(2E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*
BERYLLIUM	9E-08	*(2E-08, 2E-07)*	5E-06	*(9E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	2E-05	*(7E-06, 2E-05)*
CADMIUM	9E-05	*(4E-05, 2E-04)*	1E-03	*(7E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	6E-03	*(2E-03, 9E-03)*
CHROMIUM (III)	8E-08	*(6E-08, 1E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	4E-06	*(2E-06, 7E-06)*	4E-05	*(2E-05, 6E-05)*	8E-05	*(4E-05, 1E-04)*	2E-04	*
COBALT	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
MANGANESE	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	5E-04	*(4E-04, 7E-04)*	3E-03	*(1E-03, 4E-03)*	6E-03	*(3E-03, 7E-03)*	*	*
MERCURY (METHYL)	9E-04	*(9E-04, 1E-03)*	4E-03	*	*	*	*	*
NICKEL	1E-06	*(9E-07, 2E-06)*	2E-05	*(8E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(5E-05, 9E-05)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(4E-04, 3E-03)*	5E-03	*(1E-03, 6E-03)*
SILVER	3E-06	*(1E-06, 5E-06)*	7E-05	*(2E-05, 9E-04)*	8E-04	*(5E-05, 4E-03)*	9E-03	*(8E-05, 1E-02)*
THALLIUM	9E-06	*(3E-06, 2E-05)*	5E-04	*(1E-04, 1E-03)*	9E-04	*(2E-04, 3E-03)*	6E-03	*(6E-04, 7E-03)*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 1E-01)*	1E-01	*(1E-02, 1E-01)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 4E-03)*	3E-02	*(1E-02, 5E-02)*	6E-02	*(3E-02, 8E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B220. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(7E-09, 1E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	*	*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 2E-07)*	9E-07	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	2E-11	*(7E-12, 6E-11)*	7E-10	*(2E-10, 9E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	6E-10	*(4E-10, 1E-09)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 6E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 7E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-07	*(9E-08, 2E-05)*	8E-04	*	*	*	*	*
ARSENIC	3E-06	*(2E-06, 6E-06)*	3E-04	*(4E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	4E-04	*
BARIUM	2E-08	*(1E-08, 3E-08)*	2E-07	*(9E-08, 7E-07)*	8E-07	*(2E-07, 2E-06)*	3E-06	*
BERYLLIUM	9E-08	*(2E-08, 2E-07)*	3E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	3E-05	*(5E-06, 3E-05)*
CADMIUM	3E-05	*(9E-06, 5E-05)*	8E-04	*(2E-04, 9E-04)*	9E-04	*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 5E-09)*	3E-08	*(2E-08, 5E-08)*	6E-08	*(4E-08, 9E-08)*	*	*
CHROMIUM (VI)	9E-08	*(3E-08, 9E-07)*	*	*	*	*	*	*
COBALT	5E-10	*(3E-10, 7E-10)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 9E-09)*	1E-08	*
MANGANESE	9E-09	*(4E-09, 4E-08)*	2E-07	*(7E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	8E-07	*(5E-07, 1E-06)*	1E-05	*(4E-06, 1E-04)*	9E-05	*(9E-06, 4E-04)*	6E-04	*(2E-05, 8E-04)*
MERCURY (METHYL)	4E-07	*(8E-08, 9E-05)*	2E-03	*(5E-04, 4E-02)*	3E-02	*(1E-03, 1E-01)*	*	*
NICKEL	1E-07	*(2E-08, 3E-07)*	2E-06	*	*	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	5E-10	*(2E-10, 2E-08)*	3E-07	*	*	*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	5E-05	*(9E-06, 3E-04)*	2E-04	*	*	*
Hazard Index	4E-04	*(2E-04, 8E-04)*	9E-03	*(2E-03, 5E-02)*	4E-02	*(8E-03, 2E-01)*	5E-01	*(1E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 5E-03)*	3E-02	*(1E-02, 5E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B221. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(2E-08, 6E-08)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	4E-10	*(2E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(1E-08, 3E-08)*
Additive Risk	4E-08	*(2E-08, 7E-08)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 9E-11)*	5E-10	*(2E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	7E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(7E-12, 5E-11)*	5E-10	*(2E-10, 9E-10)*	9E-10	*(5E-10, 1E-09)*	1E-09	*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 4E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
NICKEL	8E-11	*(4E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(3E-06, 7E-05)*	1E-03	*(4E-04, 4E-03)*	4E-03	*(7E-04, 5E-03)*	6E-03	*
ARSENIC	7E-06	*(3E-06, 1E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	8E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 5E-06)*	6E-06	*(9E-07, 1E-05)*	2E-05	*(9E-06, 3E-05)*
BERYLLIUM	4E-08	*(1E-08, 9E-08)*	3E-06	*(5E-07, 9E-06)*	9E-06	*(1E-06, 1E-05)*	1E-05	*(4E-06, 1E-05)*
CADMIUM	5E-05	*(2E-05, 1E-04)*	6E-04	*(3E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	3E-03	*
CHROMIUM (III)	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	*	*
CHROMIUM (VI)	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	8E-05	*
COBALT	8E-08	*(6E-08, 9E-08)*	8E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
MANGANESE	9E-08	*(6E-08, 1E-07)*	5E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 9E-07)*	1E-06	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
MERCURY (METHYL)	6E-04	*(4E-04, 7E-04)*	2E-03	*	*	*	*	*
NICKEL	9E-07	*(4E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	1E-05	*(9E-06, 3E-05)*	3E-04	*(1E-04, 7E-04)*	7E-04	*(2E-04, 1E-03)*	3E-03	*(6E-04, 3E-03)*
SILVER	1E-06	*(8E-07, 2E-06)*	3E-05	*(1E-05, 5E-04)*	4E-04	*(2E-05, 2E-03)*	4E-03	*(4E-05, 5E-03)*
THALLIUM	4E-06	*(1E-06, 9E-06)*	2E-04	*(7E-05, 7E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 4E-03)*
Hazard Index	1E-03	*(1E-03, 2E-03)*	9E-03	*(5E-03, 7E-02)*	7E-02	*(7E-03, 7E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(5E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(3E-02, 6E-02)*
TCDD-TEQ	1E-03	*(7E-04, 2E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B222. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
ARSENIC	1E-10	*(7E-11, 2E-10)*	9E-09	*(2E-09, 1E-08)*	1E-08	*	*	*
Additive Risk	2E-08	*(7E-09, 1E-07)*	8E-07	*(4E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*[A]	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 9E-11)*	5E-10	*(3E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(4E-12, 4E-11)*	4E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	3E-09	*(1E-09, 4E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(5E-08, 1E-05)*	8E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	2E-04	*	2E-04	*	*	*
BARIUM	1E-08	*(9E-09, 1E-08)*	1E-07	*(6E-08, 4E-07)*	6E-07	*(9E-08, 8E-07)*	2E-06	*
BERYLLIUM	5E-08	*(1E-08, 1E-07)*	2E-06	*(3E-07, 7E-06)*	6E-06	*(9E-07, 1E-05)*	*	*
CADMIUM	2E-05	*(7E-06, 4E-05)*	7E-04	*(2E-04, 8E-04)*	8E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	6E-08	*(2E-08, 6E-07)*	*	*	*	*	*	*
COBALT	1E-09	*(7E-10, 7E-09)*	5E-08	*	*	*	*	*
MANGANESE	6E-09	*(2E-09, 2E-08)*	*	*	*	*	*	*
MERCURY (DIVALENT)	4E-07	*(2E-07, 7E-07)*	8E-06	*(2E-06, 7E-05)*	6E-05	*(6E-06, 2E-04)*	3E-04	*(1E-05, 4E-04)*
MERCURY (METHYL)	2E-07	*(4E-08, 6E-05)*	1E-03	*(4E-04, 3E-02)*	2E-02	*(9E-04, 7E-02)*	*	*
NICKEL	8E-08	*(9E-09, 2E-07)*	1E-06	*	*	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	3E-10	*(1E-10, 1E-08)*	2E-07	*	*	*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	3E-05	*(7E-06, 2E-04)*	1E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 5E-04)*	6E-03	*(2E-03, 4E-02)*	3E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(1E-04, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 6E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B223. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 8E-08)*	6E-07	*(2E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
ARSENIC	7E-10	*(4E-10, 1E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	5E-08	*(3E-08, 8E-08)*	6E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	3E-09	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	3E-11	*(1E-11, 7E-11)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
CADMIUM	5E-10	*(4E-10, 9E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(9E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(2E-06, 7E-05)*	1E-03	*(3E-04, 4E-03)*	3E-03	*(7E-04, 6E-03)*	7E-03	*
ARSENIC	7E-06	*(4E-06, 1E-05)*	2E-04	*(1E-04, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	4E-08	*(2E-08, 8E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*(5E-07, 7E-06)*	1E-05	*(4E-06, 1E-05)*
BERYLLIUM	4E-08	*(9E-09, 9E-08)*	2E-06	*(3E-07, 7E-06)*	6E-06	*(9E-07, 8E-06)*	1E-05	*(3E-06, 1E-05)*
CADMIUM	5E-05	*(2E-05, 1E-04)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	4E-03	*(1E-03, 5E-03)*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	*	*
CHROMIUM (VI)	1E-06	*(7E-07, 2E-06)*	2E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 8E-05)*
COBALT	6E-08	*(4E-08, 8E-08)*	5E-07	*(3E-07, 6E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*
MANGANESE	6E-08	*(5E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	6E-07	*(5E-07, 7E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-04	*(1E-04, 2E-04)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	3E-03	*
MERCURY (METHYL)	6E-04	*(4E-04, 7E-04)*	2E-03	*	*	*	*	*
NICKEL	6E-07	*(3E-07, 1E-06)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	*	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 2E-03)*	3E-03	*(7E-04, 3E-03)*
SILVER	6E-07	*(4E-07, 9E-07)*	1E-05	*(5E-06, 4E-04)*	3E-04	*(9E-06, 9E-04)*	2E-03	*
THALLIUM	4E-06	*(1E-06, 9E-06)*	2E-04	*(6E-05, 7E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	9E-03	*(5E-03, 8E-02)*	8E-02	*(7E-03, 8E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(2E-02, 5E-02)*
TCDD-TEQ	7E-04	*(4E-04, 1E-03)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B224. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*(3E-09, 2E-08)*	2E-08	*	3E-08	*
Additive Risk	4E-08	*(1E-08, 2E-07)*	2E-06	*(8E-07, 2E-06)*	2E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 9E-11)*	5E-10	*(3E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(4E-12, 4E-11)*	4E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 4E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(3E-08, 1E-05)*	8E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	2E-04	*	*	*	*	*
BARIUM	9E-09	*(8E-09, 1E-08)*	5E-08	*(2E-08, 1E-07)*	2E-07	*(4E-08, 4E-07)*	7E-07	*
BERYLLIUM	4E-08	*(9E-09, 9E-08)*	1E-06	*(2E-07, 6E-06)*	6E-06	*(8E-07, 1E-05)*	*	*
CADMIUM	2E-05	*(7E-06, 4E-05)*	7E-04	*(2E-04, 8E-04)*	9E-04	*(7E-04, 1E-03)*	*	*
CHROMIUM (III)	9E-10	*(7E-10, 1E-09)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	*	*
CHROMIUM (VI)	5E-08	*(1E-08, 7E-07)*	4E-06	*	*	*	*	*
COBALT	9E-10	*(3E-10, 6E-09)*	6E-08	*	*	*	*	*
MANGANESE	3E-09	*(1E-09, 2E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 3E-07)*	3E-06	*(9E-07, 3E-05)*	2E-05	*(2E-06, 8E-05)*	*	*
MERCURY (METHYL)	8E-08	*(1E-08, 6E-05)*	1E-03	*(4E-04, 3E-02)*	2E-02	*(9E-04, 7E-02)*	*	*
NICKEL	8E-08	*(7E-09, 2E-07)*	1E-06	*	*	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	3E-10	*(8E-11, 1E-08)*	2E-07	*	*	*	*	*
THALLIUM	9E-07	*(7E-07, 1E-06)*	3E-05	*(7E-06, 3E-04)*	2E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 5E-04)*	7E-03	*(2E-03, 4E-02)*	3E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(2E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 2E-03)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(9E-04, 3E-03)*	3E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	3E-04	*(2E-04, 4E-04)*	4E-04	*(3E-04, 5E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 2E-05)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	2E-04	*
Hazard Index	1E-03	*(7E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(1E-04, 3E-03)*	2E-02	*(1E-02, 4E-02)*	4E-02	*(3E-02, 7E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B225. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(5E-09, 1E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 2E-10)*	9E-10	*(7E-10, 2E-09)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	1E-08	*(6E-09, 2E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(6E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(4E-12, 2E-11)*	2E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 3E-11)*	3E-11	*(2E-11, 7E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 5E-11)*	3E-10	*(2E-10, 7E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 2E-10)*	3E-10	*
Additive Risk	5E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(3E-08, 2E-07)*	4E-06	*(9E-07, 3E-05)*	2E-05	*(2E-06, 4E-05)*	*	*
ARSENIC	1E-06	*(3E-07, 4E-06)*	2E-05	*(1E-05, 5E-05)*	7E-05	*(2E-05, 9E-05)*	1E-04	*
BARIUM	3E-08	*(1E-08, 9E-08)*	8E-07	*(4E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	6E-06	*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	5E-07	*(2E-07, 8E-07)*
CADMIUM	5E-06	*(2E-06, 8E-06)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	4E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	6E-09	*(2E-09, 1E-08)*	2E-07	*(7E-08, 4E-07)*	5E-07	*(2E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 4E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(6E-06, 2E-05)*	3E-05	*
COBALT	4E-08	*(2E-08, 6E-08)*	5E-07	*(3E-07, 9E-07)*	1E-06	*(6E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
MANGANESE	3E-08	*(2E-08, 5E-08)*	8E-07	*(3E-07, 9E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 8E-05)*	7E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 4E-03)*	8E-03	*(2E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(4E-05, 4E-04)*	*	*	*	*	*	*
NICKEL	6E-08	*(3E-08, 1E-07)*	3E-06	*(6E-07, 6E-06)*	6E-06	*(1E-06, 1E-05)*	2E-05	*
SELENIUM	3E-06	*(1E-06, 8E-06)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	8E-04	*(4E-04, 9E-04)*
SILVER	1E-06	*(7E-07, 2E-06)*	3E-05	*(2E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*
THALLIUM	3E-06	*(1E-06, 7E-06)*	7E-05	*(2E-05, 1E-04)*	2E-04	*(5E-05, 5E-04)*	1E-03	*
Hazard Index	4E-04	*(2E-04, 1E-03)*	2E-02	*(3E-03, 2E-02)*	2E-02	*(6E-03, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-04	*(2E-04, 8E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	6E-02	*(2E-02, 7E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B226. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(5E-10, 2E-09)*[A]	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	1E-11	*(8E-12, 1E-10)*	7E-10	*(2E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	*	*
Additive Risk	2E-09	*(7E-10, 2E-09)*[A]	2E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	7E-12	*(4E-12, 2E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 4E-10)*	7E-10	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(3E-09, 7E-09)*	1E-08	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(9E-12, 3E-11)*	3E-11	*(2E-11, 7E-11)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 5E-11)*	3E-10	*(2E-10, 7E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 3E-10)*	3E-10	*
Additive Risk	5E-10	*(3E-10, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	8E-09	*(3E-09, 2E-08)*	9E-07	*	*	*	*	*
ARSENIC	3E-07	*(1E-07, 3E-06)*	1E-05	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	5E-05	*(2E-05, 5E-05)*
BARIUM	4E-09	*(2E-09, 1E-08)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	8E-07	*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	1E-07	*(7E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
CADMIUM	1E-06	*(9E-07, 5E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	5E-10	*(2E-10, 9E-10)*	1E-08	*(6E-09, 3E-08)*	4E-08	*(1E-08, 7E-08)*	1E-07	*(6E-08, 2E-07)*
CHROMIUM (VI)	9E-09	*(7E-09, 3E-08)*	3E-07	*	*	*	*	*
COBALT	3E-10	*(1E-10, 5E-10)*	4E-09	*(3E-09, 6E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
MANGANESE	6E-09	*(2E-09, 1E-08)*	5E-08	*(2E-08, 4E-07)*	3E-07	*(3E-08, 7E-07)*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 1E-06)*	2E-05	*(7E-06, 5E-05)*	5E-05	*(1E-05, 2E-04)*	5E-04	*
MERCURY (METHYL)	1E-05	*(4E-06, 6E-05)*	6E-03	*(4E-04, 2E-02)*	2E-02	*(1E-03, 4E-02)*	*	*
NICKEL	4E-09	*(3E-09, 8E-09)*	1E-07	*	*	*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	2E-09	*(3E-10, 2E-08)*	8E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 2E-06)*	2E-05	*(6E-06, 5E-05)*	6E-05	*(1E-05, 8E-05)*	*	*
Hazard Index	6E-05	*(2E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(2E-03, 5E-02)*	5E-01	*(9E-03, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 5E-07)*	4E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 7E-05)*	1E-04	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-05	*(2E-05, 9E-05)*[A]	8E-04	*(3E-04, 9E-04)*	1E-03	*(8E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B227. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(4E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 2E-09)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	9E-09	*(5E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(5E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
ARSENIC	6E-11	*(2E-11, 3E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	1E-09	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	7E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 1E-11)*	8E-11	*(3E-11, 1E-10)*	2E-10	*(7E-11, 3E-10)*	4E-10	*
Additive Risk	6E-10	*(3E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-08	*(1E-08, 1E-07)*	3E-06	*	*	*	*	*
ARSENIC	9E-07	*(2E-07, 3E-06)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(6E-05, 2E-04)*
BARIUM	2E-08	*(8E-09, 5E-08)*	4E-07	*(2E-07, 8E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*
BERYLLIUM	4E-09	*(2E-09, 8E-09)*	6E-08	*(2E-08, 7E-08)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	4E-05	*(2E-05, 7E-05)*	9E-05	*(5E-05, 2E-04)*	*	*
CHROMIUM (III)	3E-09	*(1E-09, 7E-09)*	9E-08	*(3E-08, 2E-07)*	3E-07	*(9E-08, 5E-07)*	9E-07	*(4E-07, 1E-06)*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	6E-06	*(1E-06, 9E-06)*	9E-06	*(3E-06, 1E-05)*	2E-05	*
COBALT	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 5E-07)*	6E-07	*(3E-07, 9E-07)*	2E-06	*
MANGANESE	2E-08	*(1E-08, 3E-08)*	4E-07	*(1E-07, 5E-07)*	6E-07	*(2E-07, 7E-07)*	1E-06	*
MERCURY (DIVALENT)	2E-05	*(9E-06, 4E-05)*	4E-04	*(1E-04, 9E-04)*	1E-03	*(2E-04, 2E-03)*	4E-03	*(1E-03, 6E-03)*
MERCURY (METHYL)	1E-04	*(2E-05, 3E-04)*	9E-03	*	*	*	*	*
NICKEL	3E-08	*(1E-08, 6E-08)*	2E-06	*(3E-07, 3E-06)*	3E-06	*(9E-07, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(9E-07, 6E-06)*	8E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	5E-04	*(3E-04, 6E-04)*
SILVER	7E-07	*(4E-07, 1E-06)*	1E-05	*(9E-06, 4E-05)*	6E-05	*(2E-05, 9E-05)*	2E-04	*
THALLIUM	2E-06	*(1E-06, 4E-06)*	5E-05	*(1E-05, 1E-04)*	1E-04	*(4E-05, 3E-04)*	9E-04	*(1E-04, 1E-03)*
Hazard Index	3E-04	*(1E-04, 8E-04)*	1E-02	*(2E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 5E-04)*	5E-03	*(2E-03, 9E-03)*	1E-02	*(4E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B228. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(6E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
ARSENIC	1E-11	*(7E-12, 9E-11)*	5E-10	*(2E-10, 7E-10)*	7E-10	*(3E-10, 2E-09)*	*	*
Additive Risk	2E-09	*(8E-10, 3E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 1E-11)*	8E-11	*(3E-11, 1E-10)*	2E-10	*(7E-11, 3E-10)*	4E-10	*
Additive Risk	5E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-09	*(9E-10, 1E-08)*	5E-07	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(7E-06, 3E-05)*	*	*
BARIUM	1E-09	*(6E-10, 4E-09)*	7E-08	*(3E-08, 9E-08)*	9E-08	*(6E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*
BERYLLIUM	5E-09	*(3E-09, 1E-08)*	6E-08	*(4E-08, 7E-08)*	8E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 2E-07)*
CADMIUM	1E-06	*(8E-07, 4E-06)*	2E-05	*(1E-05, 8E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	1E-10	*(7E-11, 3E-10)*	4E-09	*(1E-09, 8E-09)*	9E-09	*(4E-09, 2E-08)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	6E-09	*(3E-09, 2E-08)*	2E-07	*(4E-08, 4E-06)*	3E-06	*(8E-08, 8E-06)*	*	*
COBALT	8E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*
MANGANESE	2E-09	*(8E-10, 6E-09)*	1E-08	*	*	*	*	*
MERCURY (DIVALENT)	6E-08	*(2E-08, 3E-07)*	7E-06	*(1E-06, 1E-05)*	1E-05	*(4E-06, 5E-05)*	1E-04	*(9E-06, 3E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 6E-05)*	6E-03	*(4E-04, 2E-02)*	2E-02	*(1E-03, 4E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	9E-10	*(7E-11, 8E-09)*	5E-08	*	*	*	*	*
THALLIUM	4E-07	*(2E-07, 1E-06)*	1E-05	*(5E-06, 4E-05)*	5E-05	*(9E-06, 8E-05)*	*	*
Hazard Index	6E-05	*(2E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(2E-03, 5E-02)*	5E-01	*(9E-03, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 5E-07)*	4E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 7E-05)*	1E-04	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-05	*(2E-05, 8E-05)*[A]	7E-04	*(3E-04, 9E-04)*	9E-04	*(7E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B229. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 7E-09)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(1E-07, 5E-07)*
ARSENIC	2E-11	*(7E-12, 9E-11)*	5E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	4E-09	*(3E-09, 7E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	5E-07	*(2E-07, 5E-07)*
Cancer - Inhalation								
TCDD-TEQ	6E-12	*(3E-12, 1E-11)*	1E-10	*(5E-11, 2E-10)*	3E-10	*(1E-10, 4E-10)*	6E-10	*
ARSENIC	4E-11	*(1E-11, 2E-10)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 6E-09)*	8E-09	*
BERYLLIUM	1E-12	*(7E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 8E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 9E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	4E-10	*(2E-10, 7E-10)*	5E-09	*(3E-09, 7E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(9E-09, 6E-08)*	1E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 1E-06)*	9E-06	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	6E-05	*(3E-05, 8E-05)*
BARIUM	8E-09	*(3E-09, 2E-08)*	2E-07	*(9E-08, 4E-07)*	6E-07	*(2E-07, 7E-07)*	1E-06	*(8E-07, 3E-06)*
BERYLLIUM	2E-09	*(9E-10, 4E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	1E-07	*(7E-08, 2E-07)*
CADMIUM	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*
CHROMIUM (III)	1E-09	*(6E-10, 3E-09)*	5E-08	*(1E-08, 9E-08)*	1E-07	*(5E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*
CHROMIUM (VI)	6E-08	*(3E-08, 1E-07)*	2E-06	*(7E-07, 6E-06)*	6E-06	*(1E-06, 7E-06)*	*	*
COBALT	1E-08	*(7E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*
MANGANESE	9E-09	*(7E-09, 1E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(4E-07, 8E-07)*
MERCURY (DIVALENT)	9E-06	*(4E-06, 2E-05)*	2E-04	*(6E-05, 6E-04)*	7E-04	*(1E-04, 1E-03)*	2E-03	*(6E-04, 3E-03)*
MERCURY (METHYL)	9E-05	*(1E-05, 2E-04)*	5E-03	*	*	*	*	*
NICKEL	1E-08	*(8E-09, 3E-08)*	9E-07	*(1E-07, 2E-06)*	2E-06	*(4E-07, 3E-06)*	5E-06	*(9E-07, 7E-06)*
SELENIUM	1E-06	*(5E-07, 3E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
SILVER	3E-07	*(1E-07, 6E-07)*	7E-06	*(4E-06, 2E-05)*	2E-05	*(7E-06, 5E-05)*	7E-05	*
THALLIUM	1E-06	*(6E-07, 2E-06)*	2E-05	*(9E-06, 6E-05)*	7E-05	*(2E-05, 2E-04)*	4E-04	*(8E-05, 5E-04)*
Hazard Index	1E-04	*(6E-05, 4E-04)*	6E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 8E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(5E-05, 2E-04)*	2E-03	*(7E-04, 3E-03)*	4E-03	*(1E-03, 6E-03)*	1E-02	*
TCDD-TEQ	1E-04	*(6E-05, 2E-04)*	2E-03	*(9E-04, 5E-03)*	5E-03	*(2E-03, 8E-03)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B230. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-10	*(5E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	9E-12	*(4E-12, 7E-11)*	3E-10	*(1E-10, 5E-10)*	5E-10	*(2E-10, 9E-10)*	*	*
Additive Risk	1E-09	*(6E-10, 2E-09)*	2E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(8E-10, 4E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	1E-12	*(6E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	3E-11	*(1E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 1E-10)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-09	*(6E-10, 8E-09)*	3E-07	*	*	*	*	*
ARSENIC	1E-07	*(8E-08, 1E-06)*	6E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	7E-10	*(3E-10, 2E-09)*	4E-08	*(1E-08, 5E-08)*	5E-08	*(3E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*
BERYLLIUM	3E-09	*(2E-09, 9E-09)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	9E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(2E-09, 9E-09)*	2E-08	*(9E-09, 3E-08)*
CHROMIUM (VI)	3E-09	*(2E-09, 1E-08)*	9E-08	*	*	*	*	*
COBALT	4E-10	*(1E-10, 1E-09)*	3E-09	*	*	*	*	*
MANGANESE	9E-10	*(4E-10, 3E-09)*	8E-09	*	*	*	*	*
MERCURY (DIVALENT)	3E-08	*(1E-08, 1E-07)*	4E-06	*(9E-07, 7E-06)*	7E-06	*(2E-06, 2E-05)*	5E-05	*(6E-06, 9E-05)*
MERCURY (METHYL)	1E-05	*(3E-06, 5E-05)*	4E-03	*(3E-04, 1E-02)*	1E-02	*(9E-04, 3E-02)*	*	*
NICKEL	1E-09	*(1E-09, 3E-09)*	5E-08	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	6E-10	*(4E-11, 5E-09)*	3E-08	*	*	*	*	*
THALLIUM	3E-07	*(1E-07, 1E-06)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
Hazard Index	4E-05	*(1E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	3E-01	*(7E-03, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 5E-07)*	4E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 7E-05)*	1E-04	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-05	*(1E-05, 4E-05)*[A]	4E-04	*(2E-04, 6E-04)*	6E-04	*(4E-04, 8E-04)*	*	*
TCDD-TEQ	4E-05	*(2E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	8E-03	*(8E-04, 8E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B231. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 7E-09)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	5E-07	*
ARSENIC	5E-11	*(1E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	5E-09	*(3E-09, 8E-09)*	8E-08	*(3E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	5E-07	*(3E-07, 6E-07)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
ARSENIC	5E-11	*(2E-11, 3E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 3E-10)*	4E-10	*
Additive Risk	6E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(9E-09, 5E-08)*	1E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 2E-06)*	9E-06	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	4E-09	*(2E-09, 1E-08)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	6E-07	*(4E-07, 9E-07)*
BERYLLIUM	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(5E-08, 1E-07)*
CADMIUM	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	8E-10	*(3E-10, 1E-09)*	3E-08	*(9E-09, 5E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(9E-08, 3E-07)*
CHROMIUM (VI)	3E-08	*(2E-08, 8E-08)*	1E-06	*(4E-07, 6E-06)*	5E-06	*(8E-07, 7E-06)*	*	*
COBALT	7E-09	*(5E-09, 1E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*
MANGANESE	8E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(8E-08, 4E-07)*	4E-07	*(2E-07, 5E-07)*
MERCURY (DIVALENT)	7E-06	*(2E-06, 1E-05)*	1E-04	*(4E-05, 4E-04)*	4E-04	*(7E-05, 9E-04)*	1E-03	*(4E-04, 2E-03)*
MERCURY (METHYL)	9E-05	*(9E-06, 2E-04)*	4E-03	*	*	*	*	*
NICKEL	9E-09	*(5E-09, 2E-08)*	6E-07	*(9E-08, 2E-06)*	2E-06	*(3E-07, 2E-06)*	3E-06	*(6E-07, 4E-06)*
SELENIUM	1E-06	*(5E-07, 3E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*
SILVER	1E-07	*(8E-08, 3E-07)*	3E-06	*(2E-06, 8E-06)*	1E-05	*(3E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
THALLIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(9E-06, 5E-05)*	6E-05	*(1E-05, 2E-04)*	4E-04	*(7E-05, 5E-04)*
Hazard Index	1E-04	*(6E-05, 3E-04)*	7E-03	*(1E-03, 9E-03)*	9E-03	*(3E-03, 9E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-05	*(3E-05, 1E-04)*	1E-03	*(5E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	9E-03	*(4E-03, 1E-02)*
TCDD-TEQ	8E-05	*(4E-05, 1E-04)*	2E-03	*(5E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	1E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B232. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(9E-10, 3E-09)*[A]	2E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
ARSENIC	1E-11	*(9E-12, 1E-10)*	8E-10	*(2E-10, 9E-10)*	9E-10	*(4E-10, 2E-09)*	*	*
Additive Risk	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(7E-10, 4E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	1E-12	*(6E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	2E-11	*(1E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	3E-09	*(2E-09, 7E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 1E-10)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-09	*(3E-10, 8E-09)*	3E-07	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 1E-06)*	7E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	3E-10	*(2E-10, 9E-10)*	3E-08	*(6E-09, 4E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	2E-09	*(1E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	9E-08	*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	4E-11	*(1E-11, 9E-11)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(9E-10, 4E-09)*	8E-09	*(4E-09, 1E-08)*
CHROMIUM (VI)	3E-09	*(2E-09, 1E-08)*	1E-07	*	*	*	*	*
COBALT	3E-10	*(9E-11, 1E-09)*	3E-09	*	*	*	*	*
MANGANESE	8E-10	*(3E-10, 4E-09)*	8E-09	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(6E-09, 9E-08)*	1E-06	*(4E-07, 4E-06)*	4E-06	*(9E-07, 9E-06)*	3E-05	*(2E-06, 6E-05)*
MERCURY (METHYL)	1E-05	*(3E-06, 5E-05)*	4E-03	*(3E-04, 1E-02)*	1E-02	*(9E-04, 3E-02)*	*	*
NICKEL	2E-09	*(1E-09, 2E-09)*	5E-08	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	7E-10	*(1E-11, 5E-09)*	3E-08	*	*	*	*	*
THALLIUM	3E-07	*(1E-07, 9E-07)*	1E-05	*(4E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
Hazard Index	4E-05	*(1E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	3E-01	*(7E-03, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-07	*(1E-07, 5E-07)*	6E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 2E-05)*	6E-05	*
CHLORINE (CL2)	1E-04	*(7E-05, 2E-04)*	2E-03	*(9E-04, 4E-03)*	4E-03	*(2E-03, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(8E-06, 4E-05)*	3E-04	*(1E-04, 5E-04)*	6E-04	*(3E-04, 9E-04)*	1E-03	*
MANGANESE	1E-05	*(7E-06, 2E-05)*	9E-05	*(7E-05, 1E-04)*	1E-04	*(9E-05, 3E-04)*	4E-04	*
MERCURY (ELEMENTAL)	1E-07	*(6E-08, 4E-07)*	3E-06	*(1E-06, 1E-05)*	1E-05	*(2E-06, 5E-05)*	8E-05	*
Hazard Index	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 4E-03)*	4E-03	*(2E-03, 8E-03)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-05	*(1E-05, 5E-05)*	4E-04	*(2E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	*	*
TCDD-TEQ	4E-05	*(2E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	7E-03	*(8E-04, 7E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.
[A] MACT floor value greater than baseline, reflecting linear interpolation of quantiles from an underlying risk distribution comprised of clustered data.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B233. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(2E-07, 3E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(1E-06, 2E-06)*	*	*
ARSENIC	9E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	3E-08	*
Additive Risk	3E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(1E-10, 2E-10)*	7E-10	*(6E-10, 8E-10)*	1E-09	*(8E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(9E-11, 4E-10)*	3E-09	*(2E-09, 8E-09)*	9E-09	*(3E-09, 1E-08)*	3E-08	*
BERYLLIUM	7E-12	*(4E-12, 1E-11)*	9E-11	*(4E-11, 1E-10)*	2E-10	*(9E-11, 3E-10)*	4E-10	*
CADMIUM	1E-10	*(8E-11, 1E-10)*	2E-09	*(4E-10, 6E-09)*	5E-09	*(6E-10, 1E-08)*	3E-08	*
CHROMIUM (VI)	1E-09	*(7E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(9E-09, 3E-08)*	6E-08	*
NICKEL	4E-11	*(2E-11, 7E-11)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 5E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(7E-07, 5E-06)*	9E-05	*(3E-05, 3E-04)*	4E-04	*(8E-05, 9E-04)*	4E-03	*
ARSENIC	2E-06	*(9E-07, 4E-06)*	6E-05	*(3E-05, 9E-05)*	1E-04	*(6E-05, 4E-04)*	7E-04	*
BARIUM	2E-07	*(1E-07, 4E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	4E-05	*(3E-05, 4E-05)*
BERYLLIUM	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 5E-07)*	9E-07	*(3E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
CADMIUM	1E-05	*(7E-06, 3E-05)*	3E-04	*(9E-05, 9E-04)*	9E-04	*(2E-04, 2E-03)*	5E-03	*
CHROMIUM (III)	6E-08	*(4E-08, 7E-08)*	8E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*
CHROMIUM (VI)	1E-06	*(9E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	4E-05	*(2E-05, 5E-05)*	1E-04	*(9E-05, 2E-04)*
COBALT	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	*	*
MANGANESE	2E-07	*(1E-07, 2E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 3E-06)*	7E-06	*
MERCURY (DIVALENT)	6E-05	*(3E-05, 9E-05)*	6E-04	*(3E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*
MERCURY (METHYL)	9E-05	*(5E-05, 2E-04)*	5E-03	*	*	*	*	*
NICKEL	6E-07	*(3E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	4E-05	*
SELENIUM	2E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 2E-03)*	4E-03	*
SILVER	3E-06	*(2E-06, 7E-06)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
THALLIUM	2E-05	*(9E-06, 5E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	1E-02	*
Hazard Index	5E-04	*(3E-04, 1E-03)*	1E-02	*(4E-03, 3E-02)*	3E-02	*(7E-03, 3E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	7E-07	*(4E-07, 1E-06)*	8E-06	*(4E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	5E-05	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-03	*(9E-03, 1E-02)*	7E-02	*(6E-02, 8E-02)*	9E-02	*(8E-02, 9E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B234. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(9E-09, 1E-08)*	8E-08	*(5E-08, 9E-08)*	9E-08	*	*	*
ARSENIC	2E-11	*(9E-12, 6E-11)*	8E-10	*(2E-10, 9E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*
Additive Risk	1E-08	*(1E-08, 2E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(1E-10, 2E-10)*	8E-10	*(6E-10, 9E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*
ARSENIC	1E-10	*(6E-11, 3E-10)*	4E-09	*(1E-09, 1E-08)*	1E-08	*(3E-09, 2E-08)*	3E-08	*
BERYLLIUM	8E-12	*(4E-12, 1E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	4E-10	*
CADMIUM	1E-10	*(7E-11, 1E-10)*	2E-09	*(4E-10, 6E-09)*	5E-09	*(8E-10, 1E-08)*	3E-08	*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*
NICKEL	4E-11	*(2E-11, 8E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(9E-08, 2E-06)*	1E-05	*(3E-06, 2E-05)*	2E-05	*(4E-06, 2E-05)*	4E-05	*
ARSENIC	5E-07	*(2E-07, 1E-06)*	2E-05	*(5E-06, 2E-05)*	3E-05	*(2E-05, 3E-05)*	7E-05	*
BARIUM	6E-08	*(3E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(5E-06, 7E-06)*
BERYLLIUM	4E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 8E-07)*	1E-06	*(4E-07, 1E-06)*	2E-06	*
CADMIUM	3E-06	*(2E-06, 5E-06)*	1E-04	*(2E-05, 3E-04)*	6E-04	*	*	*
CHROMIUM (III)	5E-09	*(3E-09, 6E-09)*	8E-08	*(6E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*
CHROMIUM (VI)	5E-08	*(2E-08, 1E-07)*	2E-06	*	*	*	*	*
COBALT	1E-09	*(9E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
MANGANESE	2E-08	*(1E-08, 4E-08)*	2E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 5E-07)*	2E-05	*(2E-06, 6E-05)*	8E-05	*(7E-06, 1E-04)*	2E-04	*(7E-05, 4E-04)*
MERCURY (METHYL)	1E-05	*(2E-06, 5E-05)*	9E-04	*(3E-04, 3E-03)*	5E-03	*(8E-04, 1E-02)*	*	*
NICKEL	2E-08	*(1E-08, 4E-08)*	7E-07	*	*	*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	7E-10	*(2E-10, 8E-09)*	2E-07	*	*	*	*	*
THALLIUM	3E-06	*(1E-06, 9E-06)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(9E-05, 4E-04)*	*	*
Hazard Index	1E-04	*(4E-05, 2E-04)*	2E-03	*(5E-04, 4E-03)*	2E-02	*(1E-03, 3E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	6E-07	*(3E-07, 9E-07)*	7E-06	*(3E-06, 2E-05)*	2E-05	*(6E-06, 3E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-04	*(4E-04, 8E-04)*	3E-03	*(2E-03, 5E-03)*	5E-03	*(3E-03, 6E-03)*	7E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B235. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-07	*(1E-07, 2E-07)*	9E-07	*(9E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	*	*
ARSENIC	9E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	3E-08	*
Additive Risk	2E-07	*(2E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 2E-10)*	8E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	4E-09	*(2E-09, 9E-09)*	1E-08	*(3E-09, 1E-08)*	4E-08	*
BERYLLIUM	8E-12	*(5E-12, 1E-11)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	5E-10	*
CADMIUM	1E-10	*(1E-10, 2E-10)*	2E-09	*(5E-10, 7E-09)*	6E-09	*(7E-10, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*
NICKEL	5E-11	*(2E-11, 9E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 6E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 3E-06)*	7E-05	*(2E-05, 2E-04)*	2E-04	*(5E-05, 7E-04)*	3E-03	*
ARSENIC	1E-06	*(7E-07, 2E-06)*	4E-05	*(2E-05, 8E-05)*	9E-05	*(5E-05, 3E-04)*	5E-04	*
BARIUM	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 4E-06)*	6E-06	*(4E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(1E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*
CADMIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(7E-05, 7E-04)*	7E-04	*(2E-04, 2E-03)*	3E-03	*
CHROMIUM (III)	3E-08	*(2E-08, 3E-08)*	4E-07	*(2E-07, 6E-07)*	7E-07	*(5E-07, 9E-07)*	*	*
CHROMIUM (VI)	9E-07	*(6E-07, 1E-06)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	*	*
COBALT	1E-07	*(9E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*
MANGANESE	9E-08	*(8E-08, 1E-07)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*
MERCURY (DIVALENT)	3E-05	*(2E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(4E-04, 7E-04)*	1E-03	*(8E-04, 2E-03)*
MERCURY (METHYL)	6E-05	*(3E-05, 1E-04)*	3E-03	*	*	*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 8E-06)*	9E-06	*(5E-06, 1E-05)*	2E-05	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 5E-04)*	6E-04	*(3E-04, 1E-03)*	3E-03	*
SILVER	1E-06	*(9E-07, 3E-06)*	3E-05	*(2E-05, 5E-05)*	6E-05	*(3E-05, 9E-05)*	3E-04	*
THALLIUM	1E-05	*(8E-06, 4E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	7E-03	*(3E-03, 9E-03)*
Hazard Index	4E-04	*(2E-04, 8E-04)*	9E-03	*(3E-03, 2E-02)*	2E-02	*(4E-03, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	7E-07	*(4E-07, 1E-06)*	8E-06	*(4E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	5E-05	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	7E-03	*(5E-03, 8E-03)*	4E-02	*(3E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B236. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(9E-09, 2E-08)*	9E-08	*(8E-08, 1E-07)*	*	*	*	*
ARSENIC	1E-11	*(8E-12, 3E-11)*	6E-10	*(1E-10, 9E-10)*	1E-09	*(9E-10, 1E-09)*	*	*
Additive Risk	2E-08	*(1E-08, 2E-08)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 2E-10)*	9E-10	*(7E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*
ARSENIC	2E-10	*(7E-11, 4E-10)*	4E-09	*(2E-09, 1E-08)*	1E-08	*(4E-09, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(5E-12, 2E-11)*	1E-10	*(7E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	5E-10	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(5E-10, 7E-09)*	6E-09	*(9E-10, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(9E-10, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 4E-08)*	8E-08	*
NICKEL	5E-11	*(2E-11, 1E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
Additive Risk	4E-09	*(3E-09, 5E-09)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(3E-08, 7E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(3E-08, 9E-07)*	7E-06	*(1E-06, 8E-06)*	8E-06	*(2E-06, 9E-06)*	1E-05	*
ARSENIC	3E-07	*(1E-07, 5E-07)*	1E-05	*(3E-06, 2E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
BARIUM	1E-08	*(8E-09, 4E-08)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(4E-07, 7E-07)*	*	*
BERYLLIUM	1E-08	*(1E-08, 2E-08)*	1E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	*	*
CADMIUM	3E-06	*(2E-06, 4E-06)*	9E-05	*(2E-05, 3E-04)*	6E-04	*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
CHROMIUM (VI)	2E-08	*(1E-08, 9E-08)*	1E-06	*	*	*	*	*
COBALT	4E-10	*(3E-10, 5E-10)*	4E-09	*(3E-09, 7E-09)*	8E-09	*(5E-09, 8E-09)*	1E-08	*
MANGANESE	8E-09	*(3E-09, 1E-08)*	7E-08	*	*	*	*	*
MERCURY (DIVALENT)	6E-08	*(4E-08, 1E-07)*	6E-06	*(7E-07, 1E-05)*	2E-05	*(2E-06, 3E-05)*	6E-05	*(2E-05, 8E-05)*
MERCURY (METHYL)	1E-05	*(2E-06, 5E-05)*	9E-04	*(3E-04, 3E-03)*	5E-03	*(8E-04, 1E-02)*	*	*
NICKEL	9E-09	*(6E-09, 2E-08)*	3E-07	*(7E-08, 7E-07)*	7E-07	*(2E-07, 8E-07)*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	2E-10	*(9E-11, 2E-09)*	1E-07	*	*	*	*	*
THALLIUM	3E-06	*(8E-07, 9E-06)*	9E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
Hazard Index	8E-05	*(4E-05, 2E-04)*	2E-03	*(5E-04, 4E-03)*	2E-02	*(1E-03, 3E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	6E-07	*(3E-07, 9E-07)*	7E-06	*(3E-06, 2E-05)*	2E-05	*(6E-06, 3E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	5E-04	*(4E-04, 7E-04)*	3E-03	*(2E-03, 5E-03)*	5E-03	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B237. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(7E-08, 9E-08)*	5E-07	*(4E-07, 6E-07)*	7E-07	*(6E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*
ARSENIC	5E-11	*(2E-11, 8E-11)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 9E-09)*	1E-08	*
Additive Risk	1E-07	*(8E-08, 1E-07)*	6E-07	*(5E-07, 6E-07)*	8E-07	*(6E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(9E-11, 1E-10)*	5E-10	*(5E-10, 6E-10)*	7E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	1E-10	*(7E-11, 3E-10)*	2E-09	*(1E-09, 6E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(7E-11, 2E-10)*	3E-10	*
CADMIUM	8E-11	*(6E-11, 1E-10)*	1E-09	*(3E-10, 4E-09)*	4E-09	*(5E-10, 1E-08)*	2E-08	*
CHROMIUM (VI)	7E-10	*(5E-10, 1E-09)*	6E-09	*(5E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	4E-08	*
NICKEL	3E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 7E-10)*	8E-10	*(4E-10, 1E-09)*	2E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	7E-07	*(2E-07, 2E-06)*	3E-05	*(9E-06, 8E-05)*	1E-04	*(2E-05, 3E-04)*	1E-03	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 1E-04)*	3E-04	*
BARIUM	6E-08	*(4E-08, 9E-08)*	1E-06	*(6E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 1E-05)*
BERYLLIUM	8E-09	*(4E-09, 9E-09)*	7E-08	*(4E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	6E-07	*(3E-07, 6E-07)*
CADMIUM	5E-06	*(2E-06, 1E-05)*	1E-04	*(4E-05, 3E-04)*	4E-04	*(8E-05, 1E-03)*	2E-03	*
CHROMIUM (III)	1E-08	*(9E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*
CHROMIUM (VI)	4E-07	*(2E-07, 7E-07)*	5E-06	*(4E-06, 6E-06)*	9E-06	*(6E-06, 1E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	5E-08	*(5E-08, 7E-08)*	6E-07	*(5E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*	*	*
MANGANESE	5E-08	*(4E-08, 8E-08)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(5E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	1E-05	*(9E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*
MERCURY (METHYL)	3E-05	*(1E-05, 6E-05)*	2E-03	*	*	*	*	*
NICKEL	2E-07	*(9E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 8E-06)*	1E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(1E-04, 7E-04)*	1E-03	*
SILVER	7E-07	*(5E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	9E-05	*
THALLIUM	8E-06	*(4E-06, 2E-05)*	4E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	4E-03	*(1E-03, 5E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	5E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	7E-07	*(4E-07, 1E-06)*	8E-06	*(4E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	5E-05	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(2E-03, 3E-03)*	1E-02	*(1E-02, 1E-02)*	2E-02	*(2E-02, 2E-02)*	*	*
TCDD-TEQ	4E-03	*(3E-03, 4E-03)*	2E-02	*(2E-02, 2E-02)*	2E-02	*(2E-02, 3E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B238. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(8E-09, 1E-08)*	8E-08	*(5E-08, 9E-08)*	9E-08	*	*	*
ARSENIC	9E-12	*(5E-12, 2E-11)*	4E-10	*(9E-11, 7E-10)*	8E-10	*	*	*
Additive Risk	1E-08	*(8E-09, 2E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 1E-10)*	6E-10	*(5E-10, 7E-10)*	8E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	1E-10	*(5E-11, 3E-10)*	3E-09	*(1E-09, 7E-09)*	7E-09	*(3E-09, 2E-08)*	2E-08	*
BERYLLIUM	6E-12	*(3E-12, 1E-11)*	8E-11	*(4E-11, 1E-10)*	2E-10	*(8E-11, 2E-10)*	3E-10	*
CADMIUM	8E-11	*(5E-11, 1E-10)*	1E-09	*(3E-10, 4E-09)*	4E-09	*(6E-10, 1E-08)*	2E-08	*
CHROMIUM (VI)	9E-10	*(6E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(8E-09, 3E-08)*	5E-08	*
NICKEL	3E-11	*(1E-11, 6E-11)*	6E-10	*(2E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 7E-07)*	5E-06	*(9E-07, 6E-06)*	6E-06	*(1E-06, 6E-06)*	7E-06	*
ARSENIC	2E-07	*(9E-08, 3E-07)*	7E-06	*(2E-06, 1E-05)*	*	*	*	*
BARIUM	9E-09	*(4E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(6E-07, 9E-07)*
BERYLLIUM	9E-09	*(7E-09, 1E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	*	*
CADMIUM	2E-06	*(1E-06, 3E-06)*	6E-05	*(1E-05, 2E-04)*	4E-04	*	*	*
CHROMIUM (III)	8E-10	*(5E-10, 9E-10)*	1E-08	*(8E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	3E-08	*
CHROMIUM (VI)	1E-08	*(8E-09, 6E-08)*	7E-07	*	*	*	*	*
COBALT	1E-09	*(6E-10, 4E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(1E-08, 3E-08)*	4E-08	*
MANGANESE	4E-09	*(2E-09, 9E-09)*	4E-08	*	*	*	*	*
MERCURY (DIVALENT)	3E-08	*(2E-08, 7E-08)*	3E-06	*(3E-07, 9E-06)*	9E-06	*(9E-07, 2E-05)*	3E-05	*(1E-05, 5E-05)*
MERCURY (METHYL)	1E-05	*(1E-06, 4E-05)*	8E-04	*(2E-04, 2E-03)*	3E-03	*(5E-04, 7E-03)*	*	*
NICKEL	7E-09	*(4E-09, 1E-08)*	2E-07	*(4E-08, 4E-07)*	4E-07	*(1E-07, 6E-07)*	6E-07	*(2E-07, 7E-07)*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	1E-10	*(7E-11, 1E-09)*	1E-07	*	*	*	*	*
THALLIUM	2E-06	*(5E-07, 7E-06)*	8E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	*	*
Hazard Index	6E-05	*(3E-05, 1E-04)*	2E-03	*(4E-04, 3E-03)*	1E-02	*(1E-03, 2E-02)*	2E-02	*(1E-02, 2E-02)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	6E-07	*(3E-07, 9E-07)*	7E-06	*(3E-06, 2E-05)*	2E-05	*(6E-06, 3E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-04	*(2E-04, 4E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*	*	*
TCDD-TEQ	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 4E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B239. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(8E-08, 1E-07)*	6E-07	*(5E-07, 7E-07)*	8E-07	*(7E-07, 9E-07)*	*	*
ARSENIC	9E-11	*(4E-11, 2E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	3E-08	*
Additive Risk	1E-07	*(8E-08, 1E-07)*	7E-07	*(6E-07, 7E-07)*	9E-07	*(8E-07, 9E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(1E-10, 2E-10)*	8E-10	*(7E-10, 9E-10)*	1E-09	*(9E-10, 2E-09)*	2E-09	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	4E-09	*(2E-09, 9E-09)*	1E-08	*(3E-09, 1E-08)*	4E-08	*
BERYLLIUM	8E-12	*(4E-12, 1E-11)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	4E-10	*
CADMIUM	1E-10	*(9E-11, 2E-10)*	2E-09	*(5E-10, 6E-09)*	5E-09	*(7E-10, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(7E-10, 2E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
NICKEL	5E-11	*(2E-11, 8E-11)*	6E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 6E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 2E-06)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(1E-05, 2E-04)*	9E-04	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 1E-04)*	3E-04	*
BARIUM	4E-08	*(2E-08, 6E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	4E-06	*(4E-06, 5E-06)*
BERYLLIUM	7E-09	*(3E-09, 9E-09)*	5E-08	*(4E-08, 9E-08)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(2E-07, 5E-07)*
CADMIUM	5E-06	*(3E-06, 1E-05)*	1E-04	*(4E-05, 4E-04)*	4E-04	*(9E-05, 1E-03)*	2E-03	*
CHROMIUM (III)	8E-09	*(5E-09, 9E-09)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	4E-07	*
CHROMIUM (VI)	2E-07	*(1E-07, 5E-07)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(3E-06, 8E-06)*	2E-05	*(1E-05, 2E-05)*
COBALT	4E-08	*(3E-08, 5E-08)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	*	*
MANGANESE	4E-08	*(3E-08, 5E-08)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-05	*(7E-06, 1E-05)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(2E-04, 5E-04)*
MERCURY (METHYL)	2E-05	*(1E-05, 6E-05)*	1E-03	*	*	*	*	*
NICKEL	1E-07	*(5E-08, 2E-07)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	7E-06	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 8E-04)*	2E-03	*
SILVER	4E-07	*(2E-07, 7E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	5E-05	*
THALLIUM	8E-06	*(3E-06, 1E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(5E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*
Hazard Index	2E-04	*(9E-05, 3E-04)*	4E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	7E-07	*(4E-07, 1E-06)*	8E-06	*(4E-06, 1E-05)*	2E-05	*(8E-06, 3E-05)*	5E-05	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(1E-03, 2E-03)*	9E-03	*(9E-03, 1E-02)*	1E-02	*(1E-02, 1E-02)*	*	*
TCDD-TEQ	2E-03	*(2E-03, 2E-03)*	1E-02	*(1E-02, 1E-02)*	2E-02	*(1E-02, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B240. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*	*	*
ARSENIC	1E-11	*(9E-12, 4E-11)*	6E-10	*	*	*	*	*
Additive Risk	2E-08	*(2E-08, 3E-08)*	2E-07	*(1E-07, 2E-07)*	2E-07	*	*	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 1E-10)*	6E-10	*(5E-10, 7E-10)*	8E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	1E-10	*(5E-11, 3E-10)*	3E-09	*(1E-09, 7E-09)*	7E-09	*(2E-09, 2E-08)*	2E-08	*
BERYLLIUM	6E-12	*(3E-12, 1E-11)*	8E-11	*(4E-11, 1E-10)*	2E-10	*(8E-11, 2E-10)*	3E-10	*
CADMIUM	8E-11	*(5E-11, 1E-10)*	1E-09	*(3E-10, 4E-09)*	4E-09	*(6E-10, 1E-08)*	2E-08	*
CHROMIUM (VI)	9E-10	*(6E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(8E-09, 3E-08)*	5E-08	*
NICKEL	3E-11	*(1E-11, 6E-11)*	5E-10	*(2E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(1E-08, 7E-07)*	3E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 3E-07)*	6E-06	*(2E-06, 9E-06)*	1E-05	*	*	*
BARIUM	5E-09	*(2E-09, 9E-09)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(3E-07, 4E-07)*
BERYLLIUM	8E-09	*(5E-09, 1E-08)*	5E-08	*(3E-08, 9E-08)*	9E-08	*(6E-08, 1E-07)*	*	*
CADMIUM	2E-06	*(1E-06, 3E-06)*	5E-05	*(9E-06, 2E-04)*	4E-04	*	*	*
CHROMIUM (III)	3E-10	*(2E-10, 4E-10)*	5E-09	*(3E-09, 6E-09)*	7E-09	*(5E-09, 8E-09)*	1E-08	*
CHROMIUM (VI)	1E-08	*(4E-09, 4E-08)*	8E-07	*(1E-07, 2E-06)*	2E-06	*	*	*
COBALT	7E-10	*(4E-10, 3E-09)*	2E-08	*	*	*	*	*
MANGANESE	2E-09	*(1E-09, 8E-09)*	5E-08	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(9E-09, 3E-08)*	1E-06	*(1E-07, 4E-06)*	4E-06	*(4E-07, 7E-06)*	1E-05	*
MERCURY (METHYL)	1E-05	*(1E-06, 4E-05)*	8E-04	*(2E-04, 2E-03)*	3E-03	*(5E-04, 7E-03)*	*	*
NICKEL	6E-09	*(3E-09, 1E-08)*	2E-07	*	*	*	*	*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	1E-10	*(7E-11, 9E-10)*	1E-07	*	*	*	*	*
THALLIUM	2E-06	*(6E-07, 6E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	*	*
Hazard Index	5E-05	*(2E-05, 1E-04)*	2E-03	*(4E-04, 3E-03)*	1E-02	*(9E-04, 2E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(3E-05, 9E-05)*	1E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*(5E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 6E-07)*	5E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 2E-05)*	3E-05	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-04	*(2E-04, 5E-04)*	2E-03	*(2E-03, 3E-03)*	3E-03	*	*	*
TCDD-TEQ	4E-04	*(3E-04, 5E-04)*	3E-03	*(2E-03, 3E-03)*	4E-03	*(3E-03, 5E-03)*	5E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B241. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	2E-10	*(8E-11, 4E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	3E-08	*(2E-08, 5E-08)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 7E-10)*	1E-09	*
ARSENIC	2E-10	*(6E-11, 5E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*
BERYLLIUM	4E-12	*(3E-12, 6E-12)*	2E-10	*(6E-11, 5E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(2E-09, 8E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(3E-10, 7E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(8E-12, 3E-11)*	4E-10	*(3E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 1E-06)*	1E-03	*(2E-04, 2E-03)*	3E-03	*(1E-03, 9E-03)*	*	*
ARSENIC	5E-06	*(2E-06, 9E-06)*	2E-04	*(9E-05, 4E-04)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(8E-04, 1E-03)*
BARIUM	1E-07	*(7E-08, 1E-07)*	3E-06	*(2E-06, 5E-06)*	9E-06	*(4E-06, 2E-05)*	7E-05	*(3E-05, 9E-05)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	9E-07	*(5E-07, 2E-06)*	5E-06	*(1E-06, 2E-05)*	3E-05	*(9E-06, 4E-05)*
CADMIUM	1E-05	*(8E-06, 2E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(7E-04, 1E-03)*	5E-03	*
CHROMIUM (III)	2E-08	*(1E-08, 4E-08)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 6E-06)*
CHROMIUM (VI)	7E-07	*(4E-07, 1E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 8E-05)*	2E-04	*(9E-05, 3E-04)*
COBALT	1E-07	*(8E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	9E-08	*(6E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 8E-06)*
MERCURY (DIVALENT)	6E-05	*(3E-05, 8E-05)*	6E-04	*(5E-04, 8E-04)*	9E-04	*(8E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (METHYL)	2E-04	*(1E-04, 4E-04)*	3E-03	*	*	*	*	*
NICKEL	2E-07	*(1E-07, 6E-07)*	1E-05	*(8E-06, 2E-05)*	3E-05	*(2E-05, 5E-05)*	1E-04	*(1E-04, 1E-04)*
SELENIUM	1E-05	*(6E-06, 2E-05)*	4E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	5E-03	*(1E-03, 7E-03)*
SILVER	3E-06	*(1E-06, 4E-06)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 8E-04)*	5E-03	*(3E-04, 1E-02)*
THALLIUM	7E-06	*(4E-06, 9E-06)*	4E-04	*(2E-04, 9E-04)*	1E-03	*(8E-04, 3E-03)*	1E-02	*(9E-03, 1E-02)*
Hazard Index	7E-04	*(4E-04, 1E-03)*	1E-02	*(6E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	5E-07	*(2E-07, 1E-06)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*
Hazard Index	6E-04	*(5E-04, 9E-04)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(7E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(8E-04, 2E-03)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 6E-02)*	9E-02	*(9E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B242. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 4E-09)*	1E-07	*(5E-08, 2E-07)*	4E-07	*(1E-07, 5E-07)*	*	*
ARSENIC	9E-11	*(4E-11, 1E-10)*	3E-09	*(9E-10, 1E-08)*	1E-08	*	*	*
Additive Risk	4E-09	*(2E-09, 5E-09)*	2E-07	*(6E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 3E-11)*	3E-10	*(2E-10, 4E-10)*	5E-10	*(4E-10, 7E-10)*	1E-09	*
ARSENIC	2E-10	*(6E-11, 5E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(3E-08, 5E-08)*
BERYLLIUM	4E-12	*(2E-12, 6E-12)*	1E-10	*(6E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
CADMIUM	8E-11	*(5E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(2E-09, 8E-09)*	2E-08	*(1E-08, 3E-08)*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	1E-11	*(8E-12, 3E-11)*	4E-10	*(2E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	4E-09	*(2E-09, 5E-09)*
Additive Risk	2E-09	*(9E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-08	*(1E-08, 1E-07)*	3E-04	*(9E-06, 2E-03)*	2E-03	*	*	*
ARSENIC	2E-06	*(9E-07, 4E-06)*	7E-05	*(3E-05, 3E-04)*	4E-04	*(9E-05, 6E-04)*	7E-04	*(4E-04, 7E-04)*
BARIUM	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(6E-07, 2E-06)*	9E-06	*(4E-06, 1E-05)*
BERYLLIUM	3E-08	*(1E-08, 4E-08)*	9E-07	*(4E-07, 2E-06)*	4E-06	*(1E-06, 1E-05)*	3E-05	*(9E-06, 4E-05)*
CADMIUM	6E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 4E-04)*	8E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	2E-09	*(1E-09, 4E-09)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*
CHROMIUM (VI)	3E-08	*(1E-08, 5E-08)*	3E-06	*(6E-07, 1E-05)*	1E-05	*(2E-06, 3E-05)*	*	*
COBALT	7E-10	*(5E-10, 9E-10)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(6E-08, 9E-08)*
MANGANESE	9E-09	*(6E-09, 1E-08)*	4E-07	*(1E-07, 7E-07)*	7E-07	*(3E-07, 8E-07)*	9E-07	*
MERCURY (DIVALENT)	3E-07	*(1E-07, 7E-07)*	2E-05	*(7E-06, 3E-05)*	5E-05	*(2E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
MERCURY (METHYL)	9E-06	*(4E-06, 3E-05)*	1E-03	*(6E-04, 7E-03)*	9E-03	*(1E-03, 2E-02)*	4E-02	*
NICKEL	1E-08	*(6E-09, 3E-08)*	2E-06	*(6E-07, 5E-06)*	5E-06	*(1E-06, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	2E-09	*(9E-10, 8E-09)*	4E-07	*(9E-08, 8E-07)*	9E-07	*(3E-07, 2E-06)*	*	*
THALLIUM	1E-06	*(8E-07, 2E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 9E-04)*	2E-03	*(1E-03, 2E-03)*
Hazard Index	1E-04	*(6E-05, 3E-04)*	9E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 9E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	4E-05	*
Hazard Index	6E-04	*(4E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(9E-05, 2E-04)*	7E-03	*(2E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B243. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	4E-07	*(2E-07, 5E-07)*	8E-07	*(5E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	2E-10	*(8E-11, 3E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	2E-08	*(1E-08, 4E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 4E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(5E-10, 8E-10)*	1E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 5E-10)*	7E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	5E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(9E-08, 9E-07)*	8E-04	*(9E-05, 1E-03)*	1E-03	*(9E-04, 6E-03)*	9E-03	*
ARSENIC	3E-06	*(1E-06, 6E-06)*	1E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	7E-04	*(5E-04, 9E-04)*
BARIUM	6E-08	*(3E-08, 9E-08)*	1E-06	*(1E-06, 2E-06)*	5E-06	*(2E-06, 9E-06)*	3E-05	*(1E-05, 4E-05)*
BERYLLIUM	9E-09	*(6E-09, 2E-08)*	5E-07	*(2E-07, 1E-06)*	2E-06	*(6E-07, 9E-06)*	2E-05	*(4E-06, 2E-05)*
CADMIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	3E-03	*(2E-03, 7E-03)*
CHROMIUM (III)	1E-08	*(8E-09, 2E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
CHROMIUM (VI)	4E-07	*(2E-07, 7E-07)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	1E-04	*(5E-05, 1E-04)*
COBALT	7E-08	*(5E-08, 9E-08)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	6E-08	*(3E-08, 9E-08)*	9E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 5E-06)*
MERCURY (DIVALENT)	3E-05	*(2E-05, 5E-05)*	4E-04	*(2E-04, 5E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(9E-04, 1E-03)*
MERCURY (METHYL)	1E-04	*(9E-05, 2E-04)*	2E-03	*	*	*	*	*
NICKEL	1E-07	*(6E-08, 3E-07)*	7E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 3E-05)*	7E-05	*(5E-05, 9E-05)*
SELENIUM	8E-06	*(5E-06, 1E-05)*	2E-04	*(2E-04, 4E-04)*	6E-04	*(3E-04, 9E-04)*	4E-03	*(1E-03, 5E-03)*
SILVER	1E-06	*(9E-07, 2E-06)*	5E-05	*(3E-05, 8E-05)*	1E-04	*(7E-05, 4E-04)*	3E-03	*(2E-04, 8E-03)*
THALLIUM	4E-06	*(2E-06, 7E-06)*	3E-04	*(1E-04, 6E-04)*	1E-03	*(5E-04, 2E-03)*	9E-03	*(7E-03, 1E-02)*
Hazard Index	4E-04	*(3E-04, 9E-04)*	9E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 1E-02)*	3E-02	*(2E-02, 3E-02)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	5E-07	*(2E-07, 1E-06)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*
Hazard Index	6E-04	*(5E-04, 9E-04)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(7E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 3E-02)*	6E-02	*(5E-02, 7E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B244. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 5E-09)*	2E-07	*(7E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*	*	*
ARSENIC	9E-11	*(3E-11, 1E-10)*	2E-09	*(8E-10, 9E-09)*	1E-08	*	*	*
Additive Risk	4E-09	*(3E-09, 7E-09)*	2E-07	*(8E-08, 3E-07)*	5E-07	*(2E-07, 8E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(5E-10, 8E-10)*	1E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	1E-10	*(6E-11, 3E-10)*	5E-10	*(2E-10, 8E-10)*	2E-09	*
CADMIUM	9E-11	*(6E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	4E-10	*(3E-10, 7E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(9E-09, 7E-08)*	2E-04	*(4E-06, 6E-04)*	8E-04	*	*	*
ARSENIC	1E-06	*(6E-07, 2E-06)*	5E-05	*(1E-05, 1E-04)*	2E-04	*(5E-05, 3E-04)*	4E-04	*
BARIUM	8E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(1E-07, 7E-07)*	2E-06	*(9E-07, 3E-06)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	3E-07	*(2E-07, 9E-07)*	2E-06	*(4E-07, 6E-06)*	2E-05	*(4E-06, 3E-05)*
CADMIUM	5E-06	*(2E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(3E-04, 9E-04)*	1E-03	*
CHROMIUM (III)	6E-10	*(3E-10, 9E-10)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*
CHROMIUM (VI)	1E-08	*(7E-09, 3E-08)*	1E-06	*(4E-07, 7E-06)*	8E-06	*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	4E-09	*(2E-09, 5E-09)*	7E-09	*(5E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
MANGANESE	4E-09	*(2E-09, 7E-09)*	2E-07	*(4E-08, 4E-07)*	4E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 8E-07)*
MERCURY (DIVALENT)	9E-08	*(4E-08, 2E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(5E-06, 2E-05)*	5E-05	*(3E-05, 6E-05)*
MERCURY (METHYL)	9E-06	*(4E-06, 3E-05)*	1E-03	*(6E-04, 7E-03)*	9E-03	*(1E-03, 2E-02)*	4E-02	*
NICKEL	8E-09	*(3E-09, 1E-08)*	9E-07	*(3E-07, 2E-06)*	2E-06	*(7E-07, 3E-06)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	9E-10	*(4E-10, 5E-09)*	2E-07	*(5E-08, 5E-07)*	5E-07	*(1E-07, 9E-07)*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	6E-05	*(2E-05, 1E-04)*	2E-04	*(9E-05, 7E-04)*	2E-03	*(8E-04, 2E-03)*
Hazard Index	9E-05	*(6E-05, 3E-04)*	8E-03	*(2E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 9E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	4E-05	*
Hazard Index	6E-04	*(4E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(8E-05, 2E-04)*	7E-03	*(2E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B245. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(6E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(2E-07, 5E-07)*	8E-07	*(7E-07, 9E-07)*
ARSENIC	9E-11	*(4E-11, 2E-10)*	6E-09	*(2E-09, 9E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	1E-08	*(7E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 5E-07)*	8E-07	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 5E-10)*	9E-10	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	1E-10	*(5E-11, 3E-10)*	5E-10	*(1E-10, 7E-10)*	1E-09	*
CADMIUM	7E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 4E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*
Additive Risk	1E-09	*(8E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(5E-08, 4E-07)*	4E-04	*(6E-05, 9E-04)*	9E-04	*(5E-04, 3E-03)*	5E-03	*(1E-03, 6E-03)*
ARSENIC	2E-06	*(8E-07, 4E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	3E-08	*(1E-08, 4E-08)*	8E-07	*(5E-07, 1E-06)*	2E-06	*(9E-07, 4E-06)*	1E-05	*(7E-06, 2E-05)*
BERYLLIUM	5E-09	*(3E-09, 9E-09)*	2E-07	*(1E-07, 6E-07)*	1E-06	*(3E-07, 6E-06)*	1E-05	*(2E-06, 1E-05)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 7E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	7E-09	*(3E-09, 9E-09)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	1E-07	*(9E-08, 3E-07)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	6E-05	*(2E-05, 7E-05)*
COBALT	3E-08	*(2E-08, 5E-08)*	5E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MANGANESE	3E-08	*(1E-08, 4E-08)*	4E-07	*(3E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
MERCURY (DIVALENT)	1E-05	*(9E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	6E-04	*(5E-04, 9E-04)*
MERCURY (METHYL)	9E-05	*(4E-05, 1E-04)*	9E-04	*(4E-04, 3E-03)*	2E-03	*	*	*
NICKEL	8E-08	*(3E-08, 1E-07)*	3E-06	*(2E-06, 6E-06)*	9E-06	*(5E-06, 1E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	4E-06	*(2E-06, 7E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(6E-04, 2E-03)*
SILVER	7E-07	*(4E-07, 9E-07)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 2E-04)*	1E-03	*(8E-05, 4E-03)*
THALLIUM	2E-06	*(1E-06, 3E-06)*	1E-04	*(7E-05, 3E-04)*	5E-04	*(2E-04, 9E-04)*	4E-03	*(3E-03, 6E-03)*
Hazard Index	2E-04	*(2E-04, 5E-04)*	5E-03	*(2E-03, 6E-03)*	6E-03	*(4E-03, 7E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	5E-07	*(2E-07, 1E-06)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*
Hazard Index	6E-04	*(5E-04, 9E-04)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(7E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-04	*(1E-04, 5E-04)*	5E-03	*(3E-03, 7E-03)*	9E-03	*(7E-03, 1E-02)*	2E-02	*(2E-02, 3E-02)*
TCDD-TEQ	4E-04	*(2E-04, 6E-04)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(9E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B246. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 4E-09)*	1E-07	*(5E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	*	*
ARSENIC	6E-11	*(2E-11, 9E-11)*	2E-09	*(5E-10, 7E-09)*	9E-09	*(2E-09, 1E-08)*	*	*
Additive Risk	3E-09	*(2E-09, 5E-09)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 5E-10)*	9E-10	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
CADMIUM	6E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*(8E-09, 2E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(5E-09, 4E-08)*	1E-04	*(2E-06, 7E-04)*	8E-04	*	*	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	3E-05	*(9E-06, 1E-04)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	4E-09	*(1E-09, 9E-09)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 3E-07)*	1E-06	*(6E-07, 1E-06)*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	2E-07	*(1E-07, 7E-07)*	1E-06	*(2E-07, 4E-06)*	1E-05	*(2E-06, 2E-05)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(2E-04, 7E-04)*	9E-04	*
CHROMIUM (III)	3E-10	*(2E-10, 6E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(4E-08, 7E-08)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	9E-07	*(2E-07, 4E-06)*	5E-06	*	*	*
COBALT	9E-10	*(4E-10, 1E-09)*	5E-08	*(9E-09, 9E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*
MANGANESE	2E-09	*(1E-09, 4E-09)*	1E-07	*(2E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*
MERCURY (DIVALENT)	5E-08	*(2E-08, 9E-08)*	2E-06	*(9E-07, 5E-06)*	7E-06	*(2E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*
MERCURY (METHYL)	9E-06	*(2E-06, 2E-05)*	1E-03	*(4E-04, 5E-03)*	6E-03	*(1E-03, 1E-02)*	3E-02	*
NICKEL	5E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	5E-10	*(2E-10, 3E-09)*	2E-07	*(4E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	*	*
THALLIUM	8E-07	*(4E-07, 1E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(6E-05, 7E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	6E-05	*(4E-05, 2E-04)*	6E-03	*(2E-03, 7E-03)*	1E-02	*(6E-03, 1E-02)*	3E-02	*(2E-02, 5E-02)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	4E-07	*(2E-07, 9E-07)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	4E-05	*
Hazard Index	6E-04	*(4E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-05	*(4E-05, 9E-05)*	4E-03	*(1E-03, 5E-03)*	8E-03	*(4E-03, 1E-02)*	4E-02	*
TCDD-TEQ	1E-04	*(6E-05, 1E-04)*	5E-03	*(2E-03, 8E-03)*	1E-02	*(5E-03, 2E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B247. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(7E-09, 2E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(9E-07, 1E-06)*
ARSENIC	2E-10	*(8E-11, 4E-10)*	9E-09	*(3E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*
Additive Risk	1E-08	*(9E-09, 2E-08)*	2E-07	*(2E-07, 3E-07)*	5E-07	*(3E-07, 6E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 4E-11)*	4E-10	*(3E-10, 5E-10)*	6E-10	*(5E-10, 8E-10)*	1E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 5E-10)*	7E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	1E-10	*(6E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	1E-08	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(6E-10, 2E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(4E-08, 3E-07)*	3E-04	*(6E-05, 9E-04)*	9E-04	*(4E-04, 2E-03)*	6E-03	*(1E-03, 7E-03)*
ARSENIC	2E-06	*(7E-07, 4E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	1E-08	*(9E-09, 3E-08)*	4E-07	*(2E-07, 5E-07)*	1E-06	*(5E-07, 2E-06)*	9E-06	*(3E-06, 9E-06)*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	2E-07	*(9E-08, 4E-07)*	8E-07	*(2E-07, 4E-06)*	8E-06	*(1E-06, 9E-06)*
CADMIUM	6E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 8E-04)*	2E-03	*(1E-03, 4E-03)*
CHROMIUM (III)	3E-09	*(2E-09, 6E-09)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	7E-07	*(5E-07, 9E-07)*
CHROMIUM (VI)	1E-07	*(6E-08, 2E-07)*	7E-06	*(2E-06, 1E-05)*	1E-05	*(7E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(1E-06, 2E-06)*
MANGANESE	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	1E-06	*(1E-06, 1E-06)*
MERCURY (DIVALENT)	9E-06	*(6E-06, 1E-05)*	1E-04	*(9E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(3E-04, 6E-04)*
MERCURY (METHYL)	9E-05	*(4E-05, 1E-04)*	9E-04	*	*	*	*	*
NICKEL	5E-08	*(2E-08, 1E-07)*	2E-06	*(1E-06, 4E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*
SELENIUM	4E-06	*(2E-06, 8E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	4E-07	*(2E-07, 5E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 9E-05)*	7E-04	*(3E-05, 1E-03)*
THALLIUM	2E-06	*(1E-06, 3E-06)*	1E-04	*(6E-05, 3E-04)*	5E-04	*(2E-04, 9E-04)*	4E-03	*(3E-03, 5E-03)*
Hazard Index	2E-04	*(1E-04, 4E-04)*	5E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 7E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	5E-07	*(2E-07, 1E-06)*	1E-05	*(7E-06, 1E-05)*	2E-05	*(1E-05, 3E-05)*	4E-05	*
Hazard Index	6E-04	*(5E-04, 9E-04)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(7E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 3E-04)*	3E-03	*(2E-03, 5E-03)*	9E-03	*(5E-03, 9E-03)*	2E-02	*(1E-02, 2E-02)*
TCDD-TEQ	2E-04	*(1E-04, 4E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(6E-03, 1E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B248. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 7E-09)*	2E-07	*(9E-08, 4E-07)*	6E-07	*(3E-07, 9E-07)*	*	*
ARSENIC	9E-11	*(3E-11, 1E-10)*	4E-09	*(9E-10, 1E-08)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
Additive Risk	5E-09	*(3E-09, 9E-09)*	3E-07	*(1E-07, 4E-07)*	6E-07	*(3E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	2E-10	*(2E-10, 3E-10)*	4E-10	*(3E-10, 5E-10)*	9E-10	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
CADMIUM	6E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*(8E-09, 2E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 4E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(2E-09, 4E-08)*	1E-04	*(2E-06, 8E-04)*	9E-04	*	*	*
ARSENIC	9E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 1E-04)*	1E-04	*	*	*
BARIUM	2E-09	*(8E-10, 5E-09)*	5E-08	*(2E-08, 6E-08)*	9E-08	*(5E-08, 1E-07)*	5E-07	*(2E-07, 7E-07)*
BERYLLIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 5E-07)*	9E-07	*(2E-07, 3E-06)*	1E-05	*(1E-06, 1E-05)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	2E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	1E-10	*(9E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	8E-09	*(6E-09, 9E-09)*	2E-08	*(2E-08, 3E-08)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	1E-06	*(1E-07, 5E-06)*	5E-06	*(9E-07, 9E-06)*	*	*
COBALT	6E-10	*(2E-10, 1E-09)*	5E-08	*(5E-09, 9E-08)*	9E-08	*(2E-08, 1E-07)*	1E-07	*
MANGANESE	1E-09	*(8E-10, 4E-09)*	1E-07	*(1E-08, 3E-07)*	3E-07	*(9E-08, 4E-07)*	4E-07	*
MERCURY (DIVALENT)	2E-08	*(1E-08, 5E-08)*	1E-06	*(4E-07, 2E-06)*	3E-06	*(1E-06, 6E-06)*	9E-06	*(7E-06, 1E-05)*
MERCURY (METHYL)	9E-06	*(2E-06, 2E-05)*	1E-03	*(4E-04, 5E-03)*	6E-03	*(1E-03, 1E-02)*	3E-02	*
NICKEL	4E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	6E-10	*(1E-10, 4E-09)*	2E-07	*(4E-08, 5E-07)*	5E-07	*(1E-07, 7E-07)*	*	*
THALLIUM	8E-07	*(4E-07, 1E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(6E-05, 8E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	6E-05	*(4E-05, 2E-04)*	6E-03	*(2E-03, 7E-03)*	1E-02	*(6E-03, 1E-02)*	3E-02	*(2E-02, 5E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-07	*(4E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*(9E-05, 2E-04)*
CHLORINE (CL2)	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 6E-03)*	8E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	5E-05	*(3E-05, 7E-05)*	6E-04	*(4E-04, 8E-04)*	1E-03	*(7E-04, 1E-03)*	3E-03	*
MANGANESE	2E-05	*(2E-05, 3E-05)*	2E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*	7E-04	*(7E-04, 9E-04)*
MERCURY (ELEMENTAL)	3E-07	*(1E-07, 6E-07)*	8E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	3E-05	*
Hazard Index	4E-04	*(3E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-05	*(5E-05, 1E-04)*	5E-03	*(1E-03, 7E-03)*	1E-02	*(5E-03, 2E-02)*	4E-02	*
TCDD-TEQ	9E-05	*(6E-05, 1E-04)*	5E-03	*(2E-03, 7E-03)*	1E-02	*(5E-03, 2E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B249. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(9E-08, 2E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	*	*
ARSENIC	8E-10	*(1E-10, 3E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*
Additive Risk	2E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(6E-11, 1E-10)*	6E-10	*(5E-10, 9E-10)*	1E-09	*(7E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*
ARSENIC	7E-10	*(2E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 2E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 3E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	2E-10	*(9E-11, 4E-10)*	5E-09	*(4E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	5E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(6E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(2E-06, 2E-04)*	4E-03	*(1E-03, 6E-03)*	7E-03	*(2E-03, 9E-03)*	*	*
ARSENIC	2E-05	*(4E-06, 6E-05)*	4E-04	*(3E-04, 6E-04)*	9E-04	*(7E-04, 1E-03)*	4E-03	*(4E-03, 4E-03)*
BARIUM	9E-07	*(3E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 5E-05)*	1E-04	*(1E-04, 1E-04)*
BERYLLIUM	9E-08	*(4E-08, 1E-07)*	1E-06	*(8E-07, 5E-06)*	5E-06	*(1E-06, 2E-05)*	6E-05	*(2E-06, 7E-05)*
CADMIUM	3E-05	*(1E-05, 5E-05)*	9E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-07	*(7E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(3E-06, 5E-06)*	*	*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	4E-06	*(2E-06, 6E-06)*	9E-06	*(8E-06, 9E-06)*	6E-05	*(5E-05, 6E-05)*
COBALT	9E-07	*(4E-07, 1E-06)*	8E-06	*(7E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	3E-05	*(3E-05, 3E-05)*
MANGANESE	9E-07	*(3E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MERCURY (DIVALENT)	1E-04	*(7E-05, 2E-04)*	9E-04	*(7E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(4E-03, 4E-03)*
MERCURY (METHYL)	4E-04	*(3E-04, 5E-04)*	*	*	*	*	*	*
NICKEL	1E-06	*(6E-07, 3E-06)*	5E-05	*(3E-05, 7E-05)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(4E-04, 4E-04)*
SELENIUM	8E-05	*(3E-05, 1E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
SILVER	2E-05	*(9E-06, 4E-05)*	3E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 8E-04)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	1E-04	*(4E-05, 5E-04)*	9E-03	*(8E-03, 1E-02)*	3E-02	*(1E-02, 4E-02)*	2E-01	*(2E-01, 2E-01)*
Hazard Index	5E-03	*(3E-03, 5E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(3E-02, 5E-02)*	2E-01	*(2E-01, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(9E-05, 9E-05)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-03	*(4E-03, 9E-03)*	6E-02	*(4E-02, 7E-02)*	9E-02	*(7E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B250. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 2E-08)*	9E-08	*	*	*	*	*
ARSENIC	2E-10	*(6E-11, 1E-09)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	2E-08	*(1E-08, 3E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	2E-07	*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(7E-11, 1E-10)*	7E-10	*(5E-10, 9E-10)*	1E-09	*(7E-10, 1E-09)*	1E-09	*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*
CADMIUM	1E-10	*(9E-11, 4E-10)*	6E-09	*(4E-09, 8E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 2E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	2E-09	*(1E-09, 5E-09)*	4E-08	*(2E-08, 4E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 9E-06)*	*	*	*	*	*	*
ARSENIC	7E-06	*(1E-06, 3E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(4E-04, 4E-04)*
BARIUM	1E-07	*(5E-08, 3E-07)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(3E-06, 6E-06)*	1E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-07	*(8E-08, 2E-07)*	1E-06	*(7E-07, 2E-05)*	2E-05	*(9E-07, 4E-05)*	6E-05	*(2E-06, 7E-05)*
CADMIUM	1E-05	*(4E-06, 3E-05)*	7E-04	*(5E-04, 7E-04)*	9E-04	*(9E-04, 1E-03)*	*	*
CHROMIUM (III)	9E-09	*(7E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(7E-07, 8E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*
COBALT	6E-09	*(3E-09, 9E-09)*	7E-08	*(6E-08, 8E-08)*	9E-08	*(9E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
MANGANESE	6E-08	*(3E-08, 2E-07)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-06	*(9E-07, 5E-06)*	3E-05	*(9E-06, 6E-05)*	6E-05	*(1E-05, 9E-05)*	*	*
MERCURY (METHYL)	9E-05	*(3E-05, 4E-04)*	5E-03	*(6E-04, 9E-03)*	9E-03	*	*	*
NICKEL	6E-08	*(2E-08, 4E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	5E-09	*(2E-09, 1E-08)*	2E-06	*	*	*	*	*
THALLIUM	2E-05	*(6E-06, 1E-04)*	9E-04	*(4E-04, 2E-03)*	4E-03	*(2E-03, 5E-03)*	*	*
Hazard Index	3E-03	*(6E-04, 4E-03)*	9E-03	*(5E-03, 2E-02)*	2E-02	*(6E-03, 4E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	3E-05	*(3E-05, 4E-05)*	9E-05	*(8E-05, 9E-05)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-04	*(3E-04, 1E-03)*	5E-03	*(3E-03, 7E-03)*	7E-03	*(5E-03, 8E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B251. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(7E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	2E-06	*
ARSENIC	8E-10	*(1E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*
Additive Risk	1E-07	*(8E-08, 2E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 1E-10)*	7E-10	*(6E-10, 1E-09)*	1E-09	*(8E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*(2E-10, 8E-09)*
CADMIUM	2E-10	*(1E-10, 4E-10)*	6E-09	*(4E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(9E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	9E-06	*(1E-06, 1E-04)*	2E-03	*(9E-04, 4E-03)*	5E-03	*(1E-03, 6E-03)*	*	*
ARSENIC	1E-05	*(3E-06, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
BARIUM	4E-07	*(1E-07, 9E-07)*	1E-05	*(8E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	6E-05	*(5E-05, 6E-05)*
BERYLLIUM	3E-08	*(2E-08, 7E-08)*	7E-07	*(3E-07, 2E-06)*	2E-06	*(5E-07, 8E-06)*	*	*
CADMIUM	2E-05	*(9E-06, 4E-05)*	6E-04	*(3E-04, 9E-04)*	1E-03	*(1E-03, 2E-03)*	9E-03	*(8E-03, 9E-03)*
CHROMIUM (III)	6E-08	*(4E-08, 9E-08)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*
CHROMIUM (VI)	1E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	3E-05	*(3E-05, 3E-05)*
COBALT	5E-07	*(2E-07, 8E-07)*	5E-06	*(4E-06, 6E-06)*	7E-06	*(6E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	5E-07	*(2E-07, 7E-07)*	4E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
MERCURY (DIVALENT)	7E-05	*(3E-05, 1E-04)*	6E-04	*(4E-04, 7E-04)*	9E-04	*(7E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (METHYL)	3E-04	*(2E-04, 4E-04)*	*	*	*	*	*	*
NICKEL	9E-07	*(3E-07, 1E-06)*	3E-05	*(2E-05, 4E-05)*	8E-05	*(6E-05, 1E-04)*	2E-04	*(2E-04, 2E-04)*
SELENIUM	5E-05	*(2E-05, 8E-05)*	9E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	7E-03	*(6E-03, 7E-03)*
SILVER	9E-06	*(5E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(8E-04, 8E-04)*
THALLIUM	1E-04	*(2E-05, 3E-04)*	8E-03	*(6E-03, 9E-03)*	2E-02	*(1E-02, 3E-02)*	9E-02	*(9E-02, 1E-01)*
Hazard Index	3E-03	*(2E-03, 4E-03)*	1E-02	*(1E-02, 2E-02)*	3E-02	*(3E-02, 4E-02)*	1E-01	*(1E-01, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(9E-05, 9E-05)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 5E-03)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(4E-02, 5E-02)*	7E-02	*(6E-02, 8E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B252. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(7E-09, 3E-08)*	1E-07	*(7E-08, 1E-07)*	2E-07	*	*	*
ARSENIC	3E-10	*(4E-11, 1E-09)*	6E-09	*(4E-09, 7E-09)*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 4E-08)*	1E-07	*(8E-08, 2E-07)*	2E-07	*(1E-07, 2E-07)*	3E-07	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 1E-10)*	8E-10	*(6E-10, 1E-09)*	1E-09	*(8E-10, 1E-09)*	2E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 2E-09)*	2E-09	*(1E-10, 4E-09)*	6E-09	*
CADMIUM	2E-10	*(1E-10, 5E-10)*	6E-09	*(5E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(6E-08, 7E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	7E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(3E-09, 7E-09)*	9E-09	*(9E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(1E-07, 4E-06)*	*	*	*	*	*	*
ARSENIC	5E-06	*(7E-07, 2E-05)*	9E-05	*(8E-05, 1E-04)*	*	*	*	*
BARIUM	4E-08	*(1E-08, 1E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	4E-06	*(4E-06, 4E-06)*
BERYLLIUM	7E-08	*(3E-08, 9E-08)*	5E-07	*(2E-07, 8E-06)*	8E-06	*(3E-07, 3E-05)*	4E-05	*
CADMIUM	9E-06	*(3E-06, 3E-05)*	6E-04	*(5E-04, 7E-04)*	9E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	3E-09	*(1E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 9E-08)*	9E-08	*
COBALT	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(5E-08, 6E-08)*
MANGANESE	2E-08	*(9E-09, 6E-08)*	3E-07	*(1E-07, 8E-07)*	7E-07	*	*	*
MERCURY (DIVALENT)	5E-07	*(2E-07, 1E-06)*	7E-06	*(2E-06, 1E-05)*	2E-05	*(4E-06, 3E-05)*	*	*
MERCURY (METHYL)	9E-05	*(3E-05, 4E-04)*	5E-03	*(6E-04, 9E-03)*	9E-03	*	*	*
NICKEL	3E-08	*(1E-08, 2E-07)*	8E-07	*(5E-07, 8E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	2E-09	*(9E-10, 9E-09)*	8E-07	*	*	*	*	*
THALLIUM	1E-05	*(5E-06, 1E-04)*	8E-04	*(4E-04, 1E-03)*	4E-03	*(2E-03, 4E-03)*	*	*
Hazard Index	2E-03	*(5E-04, 3E-03)*	9E-03	*(4E-03, 2E-02)*	2E-02	*(5E-03, 4E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	3E-05	*(3E-05, 4E-05)*	9E-05	*(8E-05, 9E-05)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(2E-04, 9E-04)*	5E-03	*(2E-03, 7E-03)*	7E-03	*(5E-03, 8E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B253. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-08	*(3E-08, 7E-08)*	5E-07	*(3E-07, 6E-07)*	7E-07	*(6E-07, 7E-07)*	*	*
ARSENIC	4E-10	*(9E-11, 1E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	8E-08	*(7E-08, 8E-08)*
Additive Risk	6E-08	*(4E-08, 8E-08)*	5E-07	*(4E-07, 6E-07)*	8E-07	*(6E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(5E-11, 8E-11)*	5E-10	*(4E-10, 6E-10)*	7E-10	*(5E-10, 7E-10)*	1E-09	*(9E-10, 1E-09)*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	9E-12	*(7E-12, 2E-11)*	1E-10	*(5E-11, 9E-10)*	9E-10	*(8E-11, 3E-09)*	4E-09	*(1E-10, 5E-09)*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(7E-09, 1E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	8E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	2E-09	*(9E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 7E-08)*	9E-08	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-06	*(8E-07, 8E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(8E-04, 3E-03)*	*	*
ARSENIC	7E-06	*(1E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(9E-04, 1E-03)*
BARIUM	2E-07	*(6E-08, 5E-07)*	5E-06	*(4E-06, 7E-06)*	9E-06	*(6E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	3E-07	*(1E-07, 8E-07)*	8E-07	*(3E-07, 4E-06)*	8E-06	*(5E-07, 1E-05)*
CADMIUM	1E-05	*(5E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	8E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	3E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	8E-08	*(7E-08, 9E-08)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	9E-06	*(8E-06, 1E-05)*
COBALT	2E-07	*(1E-07, 4E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	2E-07	*(9E-08, 4E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 7E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 6E-05)*	3E-04	*(2E-04, 3E-04)*	5E-04	*(4E-04, 6E-04)*	1E-03	*(9E-04, 1E-03)*
MERCURY (METHYL)	1E-04	*(9E-05, 2E-04)*	*	*	*	*	*	*
NICKEL	5E-07	*(2E-07, 8E-07)*	1E-05	*(9E-06, 2E-05)*	5E-05	*(3E-05, 6E-05)*	1E-04	*(9E-05, 1E-04)*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	8E-04	*(6E-04, 1E-03)*	4E-03	*(3E-03, 4E-03)*
SILVER	5E-06	*(2E-06, 9E-06)*	8E-05	*(6E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(4E-04, 4E-04)*
THALLIUM	6E-05	*(1E-05, 1E-04)*	4E-03	*(2E-03, 4E-03)*	8E-03	*(6E-03, 1E-02)*	7E-02	*(6E-02, 7E-02)*
Hazard Index	1E-03	*(1E-03, 2E-03)*	8E-03	*(6E-03, 9E-03)*	1E-02	*(1E-02, 2E-02)*	7E-02	*(7E-02, 7E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(9E-05, 9E-05)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*
TCDD-TEQ	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 4E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B254. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(5E-09, 2E-08)*	9E-08	*	*	*	*	*
ARSENIC	2E-10	*(2E-11, 7E-10)*	4E-09	*(3E-09, 5E-09)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 1E-08)*
Additive Risk	2E-08	*(7E-09, 3E-08)*	9E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 2E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 9E-11)*	5E-10	*(4E-10, 7E-10)*	7E-10	*(5E-10, 8E-10)*	1E-09	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(5E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	4E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(8E-09, 2E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(7E-11, 2E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	9E-08	*(9E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(7E-08, 3E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(4E-07, 1E-05)*	8E-05	*(5E-05, 9E-05)*	*	*	*	*
BARIUM	2E-08	*(8E-09, 7E-08)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(4E-07, 9E-07)*	2E-06	*(2E-06, 2E-06)*
BERYLLIUM	4E-08	*(2E-08, 6E-08)*	3E-07	*(1E-07, 9E-06)*	9E-06	*(2E-07, 2E-05)*	*	*
CADMIUM	7E-06	*(2E-06, 2E-05)*	4E-04	*(4E-04, 5E-04)*	6E-04	*(5E-04, 7E-04)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*	*	*
CHROMIUM (VI)	9E-09	*(3E-09, 1E-08)*	2E-08	*	*	*	*	*
COBALT	4E-09	*(1E-09, 9E-09)*	8E-08	*	*	*	*	*
MANGANESE	1E-08	*(5E-09, 3E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 7E-07)*	4E-06	*(1E-06, 8E-06)*	9E-06	*(2E-06, 1E-05)*	*	*
MERCURY (METHYL)	6E-05	*(2E-05, 2E-04)*	3E-03	*(4E-04, 6E-03)*	6E-03	*	*	*
NICKEL	2E-08	*(7E-09, 1E-07)*	5E-07	*(3E-07, 5E-07)*	6E-07	*(5E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	9E-10	*(5E-10, 5E-09)*	5E-07	*	*	*	*	*
THALLIUM	1E-05	*(4E-06, 9E-05)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	1E-03	*(3E-04, 2E-03)*	6E-03	*(2E-03, 1E-02)*	1E-02	*(3E-03, 3E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	3E-05	*(3E-05, 4E-05)*	9E-05	*(8E-05, 9E-05)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(1E-04, 7E-04)*	2E-03	*	*	*	*	*
TCDD-TEQ	7E-04	*(2E-04, 1E-03)*	5E-03	*(2E-03, 6E-03)*	6E-03	*(5E-03, 6E-03)*	6E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B255. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(4E-08, 8E-08)*	6E-07	*(4E-07, 7E-07)*	8E-07	*(7E-07, 9E-07)*	1E-06	*
ARSENIC	7E-10	*(1E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(9E-08, 1E-07)*
Additive Risk	7E-08	*(5E-08, 1E-07)*	6E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 9E-07)*	1E-06	*(1E-06, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-11	*(7E-11, 1E-10)*	7E-10	*(5E-10, 9E-10)*	1E-09	*(7E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	2E-10	*(1E-10, 4E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(4E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	2E-09	*(1E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(5E-07, 6E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
ARSENIC	7E-06	*(1E-06, 2E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(9E-04, 1E-03)*
BARIUM	1E-07	*(3E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
BERYLLIUM	1E-08	*(7E-09, 3E-08)*	3E-07	*(1E-07, 8E-07)*	8E-07	*(2E-07, 3E-06)*	*	*
CADMIUM	1E-05	*(6E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	9E-04	*(8E-04, 1E-03)*	5E-03	*(4E-03, 5E-03)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	2E-07	*(2E-07, 3E-07)*	7E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*
CHROMIUM (VI)	5E-08	*(4E-08, 7E-08)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*
COBALT	1E-07	*(8E-08, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	2E-07	*(7E-08, 3E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	2E-05	*(9E-06, 4E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(7E-04, 8E-04)*
MERCURY (METHYL)	1E-04	*(9E-05, 2E-04)*	*	*	*	*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	7E-06	*(6E-06, 9E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(6E-05, 6E-05)*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	9E-04	*(6E-04, 1E-03)*	4E-03	*(4E-03, 4E-03)*
SILVER	2E-06	*(1E-06, 4E-06)*	3E-05	*(2E-05, 6E-05)*	7E-05	*(4E-05, 8E-05)*	2E-04	*(2E-04, 2E-04)*
THALLIUM	5E-05	*(9E-06, 1E-04)*	3E-03	*(2E-03, 4E-03)*	8E-03	*(5E-03, 1E-02)*	6E-02	*(5E-02, 6E-02)*
Hazard Index	1E-03	*(8E-04, 2E-03)*	6E-03	*(5E-03, 9E-03)*	1E-02	*(1E-02, 2E-02)*	6E-02	*(6E-02, 6E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(3E-05, 5E-05)*	9E-05	*(9E-05, 9E-05)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(7E-04, 1E-03)*	9E-03	*(7E-03, 1E-02)*	1E-02	*(1E-02, 1E-02)*	2E-02	*
TCDD-TEQ	1E-03	*(7E-04, 1E-03)*	1E-02	*(8E-03, 1E-02)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 2E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B256. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 5E-08)*	*	*	*	*	*	*
ARSENIC	4E-10	*(4E-11, 1E-09)*	9E-09	*(5E-09, 1E-08)*	*	*	*	*
Additive Risk	4E-08	*(1E-08, 6E-08)*	2E-07	*(1E-07, 3E-07)*	3E-07	*	*	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 9E-11)*	5E-10	*(4E-10, 7E-10)*	7E-10	*(5E-10, 7E-10)*	1E-09	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(5E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	4E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(8E-09, 2E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(6E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	9E-08	*(9E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(6E-08, 3E-06)*	*	*	*	*	*	*
ARSENIC	3E-06	*(4E-07, 1E-05)*	8E-05	*(5E-05, 9E-05)*	*	*	*	*
BARIUM	9E-09	*(4E-09, 4E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(8E-07, 9E-07)*
BERYLLIUM	3E-08	*(1E-08, 4E-08)*	2E-07	*(1E-07, 7E-06)*	6E-06	*(1E-07, 1E-05)*	*	*
CADMIUM	7E-06	*(2E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 6E-04)*	*	*
CHROMIUM (III)	7E-10	*(4E-10, 1E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	7E-09	*(3E-09, 9E-09)*	2E-08	*	*	*	*	*
COBALT	3E-09	*(6E-10, 5E-09)*	8E-08	*	*	*	*	*
MANGANESE	9E-09	*(2E-09, 1E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-07	*(6E-08, 2E-07)*	1E-06	*(5E-07, 3E-06)*	4E-06	*(9E-07, 7E-06)*	*	*
MERCURY (METHYL)	6E-05	*(2E-05, 2E-04)*	3E-03	*(4E-04, 6E-03)*	6E-03	*	*	*
NICKEL	1E-08	*(7E-09, 1E-07)*	5E-07	*(2E-07, 6E-07)*	7E-07	*(4E-07, 7E-07)*	*	*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	1E-09	*(2E-10, 6E-09)*	6E-07	*	*	*	*	*
THALLIUM	1E-05	*(2E-06, 9E-05)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	1E-03	*(3E-04, 2E-03)*	6E-03	*(2E-03, 1E-02)*	1E-02	*(3E-03, 3E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	4E-06	*(2E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*(6E-05, 9E-05)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 3E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 1E-03)*	1E-03	*(3E-04, 2E-03)*	3E-03	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	7E-04	*(7E-04, 8E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (ELEMENTAL)	5E-07	*(3E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	2E-05	*(2E-05, 3E-05)*	6E-05	*(6E-05, 6E-05)*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 4E-03)*	4E-03	*(2E-03, 6E-03)*	8E-03	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(1E-04, 8E-04)*	3E-03	*(2E-03, 4E-03)*	4E-03	*	*	*
TCDD-TEQ	7E-04	*(2E-04, 1E-03)*	5E-03	*(2E-03, 5E-03)*	5E-03	*(5E-03, 5E-03)*	6E-03	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B257. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-08	*(5E-08, 1E-07)*	9E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 3E-06)*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	9E-08	*(5E-08, 1E-07)*	1E-06	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(4E-11, 1E-10)*	5E-10	*(3E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(4E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(9E-12, 7E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 1E-09)*	2E-09	*
CADMIUM	5E-10	*(3E-10, 8E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 6E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-05	*(9E-06, 2E-04)*	3E-03	*(1E-03, 1E-02)*	9E-03	*	*	*
ARSENIC	1E-05	*(9E-06, 4E-05)*	6E-04	*(4E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(9E-04, 1E-03)*
BARIUM	3E-07	*(2E-07, 7E-07)*	6E-06	*(3E-06, 2E-05)*	3E-05	*(5E-06, 5E-05)*	9E-05	*(4E-05, 1E-04)*
BERYLLIUM	2E-07	*(6E-08, 5E-07)*	1E-05	*(2E-06, 3E-05)*	2E-05	*(5E-06, 3E-05)*	4E-05	*
CADMIUM	9E-05	*(6E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(1E-03, 4E-03)*	*	*
CHROMIUM (III)	1E-07	*(9E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	6E-06	*(4E-06, 8E-06)*
CHROMIUM (VI)	8E-06	*(4E-06, 1E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
COBALT	2E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(5E-06, 8E-06)*
MANGANESE	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*
MERCURY (DIVALENT)	1E-04	*(9E-05, 2E-04)*	9E-04	*(8E-04, 1E-03)*	1E-03	*(1E-03, 1E-03)*	2E-03	*
MERCURY (METHYL)	4E-04	*(2E-04, 8E-04)*	2E-03	*	*	*	*	*
NICKEL	3E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 6E-05)*	8E-05	*(3E-05, 9E-05)*	*	*
SELENIUM	4E-05	*(2E-05, 8E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(6E-04, 4E-03)*	7E-03	*
SILVER	5E-06	*(3E-06, 9E-06)*	1E-04	*(5E-05, 2E-03)*	2E-03	*(9E-05, 8E-03)*	2E-02	*
THALLIUM	1E-05	*(5E-06, 3E-05)*	8E-04	*(2E-04, 2E-03)*	1E-03	*(4E-04, 5E-03)*	9E-03	*(9E-04, 1E-02)*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 4E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 7E-03)*	4E-02	*(2E-02, 6E-02)*	7E-02	*(4E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B258. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	6E-07	*(3E-07, 9E-07)*	9E-07	*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*	*	*	*	*
Additive Risk	3E-08	*(8E-09, 1E-07)*	6E-07	*(3E-07, 1E-06)*	1E-06	*(6E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	5E-10	*(3E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(6E-12, 5E-11)*	6E-10	*(2E-10, 8E-10)*	8E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	5E-10	*(3E-10, 8E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(5E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 6E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(3E-07, 5E-05)*	2E-03	*	*	*	*	*
ARSENIC	6E-06	*(3E-06, 1E-05)*	4E-04	*(7E-05, 6E-04)*	6E-04	*(3E-04, 6E-04)*	7E-04	*
BARIUM	7E-08	*(4E-08, 9E-08)*	8E-07	*(4E-07, 3E-06)*	4E-06	*(7E-07, 8E-06)*	1E-05	*
BERYLLIUM	2E-07	*(5E-08, 4E-07)*	8E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	4E-05	*(1E-05, 5E-05)*
CADMIUM	4E-05	*(1E-05, 6E-05)*	9E-04	*(3E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	*	*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	2E-07	*(6E-08, 1E-06)*	1E-05	*	*	*	*	*
COBALT	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
MANGANESE	4E-08	*(1E-08, 9E-08)*	4E-07	*(1E-07, 5E-07)*	5E-07	*	*	*
MERCURY (DIVALENT)	7E-07	*(4E-07, 1E-06)*	2E-05	*(3E-06, 8E-05)*	9E-05	*(8E-06, 2E-04)*	*	*
MERCURY (METHYL)	2E-07	*(4E-08, 6E-05)*	9E-04	*(3E-04, 4E-03)*	5E-03	*(6E-04, 2E-02)*	*	*
NICKEL	2E-07	*(5E-08, 6E-07)*	3E-06	*(9E-07, 7E-06)*	5E-06	*(2E-06, 1E-05)*	2E-05	*
SELENIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	1E-09	*(4E-10, 4E-08)*	5E-07	*	*	*	*	*
THALLIUM	2E-06	*(1E-06, 3E-06)*	5E-05	*(1E-05, 8E-04)*	5E-04	*(4E-05, 1E-03)*	2E-03	*(6E-05, 2E-03)*
Hazard Index	5E-04	*(1E-04, 7E-04)*	1E-02	*(4E-03, 1E-02)*	1E-02	*(9E-03, 2E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 5E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 4E-03)*	3E-02	*(1E-02, 5E-02)*	5E-02	*(3E-02, 7E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B259. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(4E-08, 9E-08)*	8E-07	*(3E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
ARSENIC	7E-10	*(3E-10, 2E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	8E-08	*(4E-08, 1E-07)*	8E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	5E-10	*(3E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	3E-11	*(1E-11, 8E-11)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
CADMIUM	6E-10	*(4E-10, 9E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(9E-10, 3E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(7E-06, 1E-04)*	1E-03	*(7E-04, 7E-03)*	6E-03	*(9E-04, 9E-03)*	*	*
ARSENIC	1E-05	*(6E-06, 3E-05)*	4E-04	*(2E-04, 4E-04)*	5E-04	*(3E-04, 6E-04)*	9E-04	*
BARIUM	1E-07	*(9E-08, 3E-07)*	3E-06	*(1E-06, 1E-05)*	1E-05	*(2E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*
BERYLLIUM	9E-08	*(2E-08, 2E-07)*	5E-06	*(9E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	2E-05	*(7E-06, 2E-05)*
CADMIUM	9E-05	*(4E-05, 2E-04)*	1E-03	*(7E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	6E-03	*(2E-03, 9E-03)*
CHROMIUM (III)	8E-08	*(6E-08, 1E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	4E-06	*(2E-06, 7E-06)*	4E-05	*(2E-05, 6E-05)*	8E-05	*(4E-05, 1E-04)*	2E-04	*
COBALT	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
MANGANESE	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	9E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 7E-04)*	8E-04	*(6E-04, 9E-04)*	1E-03	*
MERCURY (METHYL)	3E-04	*(1E-04, 5E-04)*	1E-03	*	*	*	*	*
NICKEL	1E-06	*(9E-07, 2E-06)*	2E-05	*(8E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(5E-05, 9E-05)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(4E-04, 3E-03)*	5E-03	*(1E-03, 6E-03)*
SILVER	3E-06	*(1E-06, 5E-06)*	7E-05	*(2E-05, 9E-04)*	8E-04	*(5E-05, 4E-03)*	9E-03	*(8E-05, 1E-02)*
THALLIUM	9E-06	*(3E-06, 2E-05)*	5E-04	*(1E-04, 1E-03)*	9E-04	*(2E-04, 3E-03)*	6E-03	*(6E-04, 7E-03)*
Hazard Index	1E-03	*(8E-04, 2E-03)*	1E-02	*(4E-03, 1E-02)*	1E-02	*(1E-02, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 4E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 4E-03)*	2E-02	*(9E-03, 3E-02)*	4E-02	*(2E-02, 5E-02)*	8E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B260. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(7E-09, 1E-07)*	8E-07	*(4E-07, 1E-06)*	*	*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	*	*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 1E-07)*	8E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(3E-11, 1E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	2E-11	*(7E-12, 6E-11)*	7E-10	*(2E-10, 9E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	6E-10	*(4E-10, 1E-09)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 6E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 7E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-07	*(9E-08, 2E-05)*	8E-04	*	*	*	*	*
ARSENIC	3E-06	*(2E-06, 6E-06)*	3E-04	*(4E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	4E-04	*
BARIUM	2E-08	*(1E-08, 3E-08)*	2E-07	*(9E-08, 7E-07)*	8E-07	*(2E-07, 2E-06)*	3E-06	*
BERYLLIUM	9E-08	*(2E-08, 2E-07)*	3E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	3E-05	*(5E-06, 3E-05)*
CADMIUM	3E-05	*(9E-06, 5E-05)*	8E-04	*(2E-04, 9E-04)*	9E-04	*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 5E-09)*	3E-08	*(2E-08, 5E-08)*	6E-08	*(4E-08, 9E-08)*	*	*
CHROMIUM (VI)	9E-08	*(3E-08, 9E-07)*	*	*	*	*	*	*
COBALT	5E-10	*(3E-10, 7E-10)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 9E-09)*	1E-08	*
MANGANESE	9E-09	*(4E-09, 4E-08)*	2E-07	*(7E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 3E-07)*	7E-06	*(9E-07, 2E-05)*	2E-05	*(2E-06, 5E-05)*	6E-05	*
MERCURY (METHYL)	6E-08	*(1E-08, 5E-05)*	9E-04	*(3E-04, 4E-03)*	5E-03	*(6E-04, 2E-02)*	*	*
NICKEL	1E-07	*(2E-08, 3E-07)*	2E-06	*	*	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	5E-10	*(2E-10, 2E-08)*	3E-07	*	*	*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	5E-05	*(9E-06, 3E-04)*	2E-04	*	*	*
Hazard Index	4E-04	*(1E-04, 6E-04)*	9E-03	*(2E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 5E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 4E-03)*	3E-02	*(1E-02, 5E-02)*	5E-02	*(3E-02, 7E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B261. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(2E-08, 5E-08)*	3E-07	*(1E-07, 5E-07)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*
ARSENIC	4E-10	*(2E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(1E-08, 3E-08)*
Additive Risk	4E-08	*(2E-08, 6E-08)*	4E-07	*(2E-07, 5E-07)*	6E-07	*(4E-07, 8E-07)*	1E-06	*(8E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 8E-11)*	4E-10	*(2E-10, 5E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*
ARSENIC	7E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(7E-12, 5E-11)*	5E-10	*(2E-10, 9E-10)*	9E-10	*(5E-10, 1E-09)*	1E-09	*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 4E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
NICKEL	8E-11	*(4E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(3E-06, 7E-05)*	1E-03	*(4E-04, 4E-03)*	4E-03	*(7E-04, 5E-03)*	6E-03	*
ARSENIC	7E-06	*(3E-06, 1E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	8E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 5E-06)*	6E-06	*(9E-07, 1E-05)*	2E-05	*(9E-06, 3E-05)*
BERYLLIUM	4E-08	*(1E-08, 9E-08)*	3E-06	*(5E-07, 9E-06)*	9E-06	*(1E-06, 1E-05)*	1E-05	*(4E-06, 1E-05)*
CADMIUM	5E-05	*(2E-05, 1E-04)*	6E-04	*(3E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	3E-03	*
CHROMIUM (III)	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	*	*
CHROMIUM (VI)	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	8E-05	*
COBALT	8E-08	*(6E-08, 9E-08)*	8E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
MANGANESE	9E-08	*(6E-08, 1E-07)*	5E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 9E-07)*	1E-06	*
MERCURY (DIVALENT)	4E-05	*(3E-05, 7E-05)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*	6E-04	*(5E-04, 8E-04)*
MERCURY (METHYL)	1E-04	*(7E-05, 2E-04)*	7E-04	*	*	*	*	*
NICKEL	9E-07	*(4E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	1E-05	*(9E-06, 3E-05)*	3E-04	*(1E-04, 7E-04)*	7E-04	*(2E-04, 1E-03)*	3E-03	*(6E-04, 3E-03)*
SILVER	1E-06	*(8E-07, 2E-06)*	3E-05	*(1E-05, 5E-04)*	4E-04	*(2E-05, 2E-03)*	4E-03	*(4E-05, 5E-03)*
THALLIUM	4E-06	*(1E-06, 9E-06)*	2E-04	*(7E-05, 7E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 4E-03)*
Hazard Index	7E-04	*(5E-04, 1E-03)*	6E-03	*(2E-03, 8E-03)*	8E-03	*(5E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 4E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-04	*(5E-04, 1E-03)*	9E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*
TCDD-TEQ	1E-03	*(7E-04, 2E-03)*	1E-02	*(6E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B262. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 8E-08)*	6E-07	*(3E-07, 9E-07)*	9E-07	*	*	*
ARSENIC	1E-10	*(7E-11, 2E-10)*	9E-09	*(2E-09, 1E-08)*	1E-08	*	*	*
Additive Risk	2E-08	*(6E-09, 9E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(6E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 8E-11)*	4E-10	*(2E-10, 6E-10)*	6E-10	*(4E-10, 9E-10)*	1E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(4E-12, 4E-11)*	4E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	3E-09	*(1E-09, 4E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(5E-08, 1E-05)*	8E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	2E-04	*	2E-04	*	*	*
BARIUM	1E-08	*(9E-09, 1E-08)*	1E-07	*(6E-08, 4E-07)*	6E-07	*(9E-08, 8E-07)*	2E-06	*
BERYLLIUM	5E-08	*(1E-08, 1E-07)*	2E-06	*(3E-07, 7E-06)*	6E-06	*(9E-07, 1E-05)*	*	*
CADMIUM	2E-05	*(7E-06, 4E-05)*	7E-04	*(2E-04, 8E-04)*	8E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	6E-08	*(2E-08, 6E-07)*	*	*	*	*	*	*
COBALT	1E-09	*(7E-10, 7E-09)*	5E-08	*	*	*	*	*
MANGANESE	6E-09	*(2E-09, 2E-08)*	*	*	*	*	*	*
MERCURY (DIVALENT)	9E-08	*(6E-08, 1E-07)*	4E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	*	*
MERCURY (METHYL)	3E-08	*(6E-09, 4E-05)*	8E-04	*(2E-04, 3E-03)*	3E-03	*(5E-04, 9E-03)*	*	*
NICKEL	8E-08	*(9E-09, 2E-07)*	1E-06	*	*	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	3E-10	*(1E-10, 1E-08)*	2E-07	*	*	*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	3E-05	*(7E-06, 2E-04)*	1E-04	*	*	*
Hazard Index	2E-04	*(7E-05, 4E-04)*	6E-03	*(2E-03, 7E-03)*	7E-03	*(5E-03, 1E-02)*	3E-02	*(7E-03, 3E-02)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 5E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(1E-04, 2E-03)*	1E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 3E-03)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 5E-02)*	6E-02	*(5E-02, 6E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B263. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(2E-08, 6E-08)*	4E-07	*(2E-07, 6E-07)*	8E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*
ARSENIC	7E-10	*(4E-10, 1E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	4E-08	*(3E-08, 7E-08)*	5E-07	*(2E-07, 6E-07)*	8E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	5E-10	*(3E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	3E-11	*(1E-11, 7E-11)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
CADMIUM	5E-10	*(4E-10, 9E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(9E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(2E-06, 7E-05)*	1E-03	*(3E-04, 4E-03)*	3E-03	*(7E-04, 6E-03)*	7E-03	*
ARSENIC	7E-06	*(4E-06, 1E-05)*	2E-04	*(1E-04, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	4E-08	*(2E-08, 8E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*(5E-07, 7E-06)*	1E-05	*(4E-06, 1E-05)*
BERYLLIUM	4E-08	*(9E-09, 9E-08)*	2E-06	*(3E-07, 7E-06)*	6E-06	*(9E-07, 8E-06)*	1E-05	*(3E-06, 1E-05)*
CADMIUM	5E-05	*(2E-05, 1E-04)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	4E-03	*(1E-03, 5E-03)*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	*	*
CHROMIUM (VI)	1E-06	*(7E-07, 2E-06)*	2E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 8E-05)*
COBALT	6E-08	*(4E-08, 8E-08)*	5E-07	*(3E-07, 6E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*
MANGANESE	6E-08	*(5E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	6E-07	*(5E-07, 7E-07)*	9E-07	*
MERCURY (DIVALENT)	3E-05	*(2E-05, 4E-05)*	2E-04	*(1E-04, 2E-04)*	2E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 6E-04)*
MERCURY (METHYL)	1E-04	*(6E-05, 2E-04)*	7E-04	*	*	*	*	*
NICKEL	6E-07	*(3E-07, 1E-06)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	*	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 2E-03)*	3E-03	*(7E-04, 3E-03)*
SILVER	6E-07	*(4E-07, 9E-07)*	1E-05	*(5E-06, 4E-04)*	3E-04	*(9E-06, 9E-04)*	2E-03	*
THALLIUM	4E-06	*(1E-06, 9E-06)*	2E-04	*(6E-05, 7E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*
Hazard Index	8E-04	*(4E-04, 1E-03)*	7E-03	*(2E-03, 8E-03)*	9E-03	*(6E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	3E-06	*(2E-06, 4E-06)*	2E-05	*(1E-05, 2E-05)*	3E-05	*(2E-05, 4E-05)*	5E-05	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(4E-04, 9E-04)*	8E-03	*(3E-03, 1E-02)*	1E-02	*(8E-03, 1E-02)*	2E-02	*(2E-02, 3E-02)*
TCDD-TEQ	6E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 1E-02)*	1E-02	*(9E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B264. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 1E-07)*	1E-06	*(5E-07, 2E-06)*	*	*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*(3E-09, 2E-08)*	2E-08	*	3E-08	*
Additive Risk	4E-08	*(1E-08, 2E-07)*	1E-06	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	4E-11	*(2E-11, 8E-11)*	4E-10	*(2E-10, 6E-10)*	6E-10	*(4E-10, 9E-10)*	1E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(4E-12, 4E-11)*	4E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 4E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(3E-08, 1E-05)*	8E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	2E-04	*	*	*	*	*
BARIUM	9E-09	*(8E-09, 1E-08)*	5E-08	*(2E-08, 1E-07)*	2E-07	*(4E-08, 4E-07)*	7E-07	*
BERYLLIUM	4E-08	*(9E-09, 9E-08)*	1E-06	*(2E-07, 6E-06)*	6E-06	*(8E-07, 1E-05)*	*	*
CADMIUM	2E-05	*(7E-06, 4E-05)*	7E-04	*(2E-04, 8E-04)*	9E-04	*(7E-04, 1E-03)*	*	*
CHROMIUM (III)	9E-10	*(7E-10, 1E-09)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	*	*
CHROMIUM (VI)	5E-08	*(1E-08, 7E-07)*	4E-06	*	*	*	*	*
COBALT	9E-10	*(3E-10, 6E-09)*	6E-08	*	*	*	*	*
MANGANESE	3E-09	*(1E-09, 2E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	4E-08	*(3E-08, 7E-08)*	1E-06	*(2E-07, 4E-06)*	5E-06	*(6E-07, 9E-06)*	*	*
MERCURY (METHYL)	9E-09	*(2E-09, 4E-05)*	8E-04	*(2E-04, 3E-03)*	3E-03	*(5E-04, 9E-03)*	*	*
NICKEL	8E-08	*(7E-09, 2E-07)*	1E-06	*	*	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	3E-10	*(8E-11, 1E-08)*	2E-07	*	*	*	*	*
THALLIUM	9E-07	*(7E-07, 1E-06)*	3E-05	*(7E-06, 3E-04)*	2E-04	*	*	*
Hazard Index	2E-04	*(7E-05, 4E-04)*	7E-03	*(2E-03, 8E-03)*	8E-03	*(5E-03, 1E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(2E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 2E-03)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(9E-04, 3E-03)*	3E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	3E-04	*(2E-04, 4E-04)*	4E-04	*(3E-04, 5E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-06	*(1E-06, 3E-06)*	1E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
Hazard Index	1E-03	*(7E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(1E-04, 3E-03)*	2E-02	*(9E-03, 3E-02)*	3E-02	*(2E-02, 5E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 3E-03)*	2E-02	*(1E-02, 3E-02)*	5E-02	*(3E-02, 5E-02)*	6E-02	*(5E-02, 6E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B265. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(5E-09, 1E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 2E-10)*	9E-10	*(7E-10, 2E-09)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	1E-08	*(6E-09, 2E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(6E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(4E-12, 2E-11)*	2E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 3E-11)*	3E-11	*(2E-11, 7E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 5E-11)*	3E-10	*(2E-10, 7E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 2E-10)*	3E-10	*
Additive Risk	5E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(3E-08, 2E-07)*	4E-06	*(9E-07, 3E-05)*	2E-05	*(2E-06, 4E-05)*	*	*
ARSENIC	1E-06	*(3E-07, 4E-06)*	2E-05	*(1E-05, 5E-05)*	7E-05	*(2E-05, 9E-05)*	1E-04	*
BARIUM	3E-08	*(1E-08, 9E-08)*	8E-07	*(4E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	6E-06	*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	5E-07	*(2E-07, 8E-07)*
CADMIUM	5E-06	*(2E-06, 8E-06)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	4E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	6E-09	*(2E-09, 1E-08)*	2E-07	*(7E-08, 4E-07)*	5E-07	*(2E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 4E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(6E-06, 2E-05)*	3E-05	*
COBALT	4E-08	*(2E-08, 6E-08)*	5E-07	*(3E-07, 9E-07)*	1E-06	*(6E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
MANGANESE	3E-08	*(2E-08, 5E-08)*	8E-07	*(3E-07, 9E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
MERCURY (DIVALENT)	2E-05	*(9E-06, 3E-05)*	2E-04	*(1E-04, 4E-04)*	5E-04	*(2E-04, 8E-04)*	1E-03	*(6E-04, 2E-03)*
MERCURY (METHYL)	1E-04	*(2E-05, 3E-04)*	2E-03	*	*	*	*	*
NICKEL	6E-08	*(3E-08, 1E-07)*	3E-06	*(6E-07, 6E-06)*	6E-06	*(1E-06, 1E-05)*	2E-05	*
SELENIUM	3E-06	*(1E-06, 8E-06)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	8E-04	*(4E-04, 9E-04)*
SILVER	1E-06	*(7E-07, 2E-06)*	3E-05	*(2E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*
THALLIUM	3E-06	*(1E-06, 7E-06)*	7E-05	*(2E-05, 1E-04)*	2E-04	*(5E-05, 5E-04)*	1E-03	*
Hazard Index	3E-04	*(1E-04, 5E-04)*	3E-03	*(2E-03, 1E-02)*	1E-02	*(3E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 1E-05)*	3E-05	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-04	*(2E-04, 8E-04)*	8E-03	*(3E-03, 1E-02)*	2E-02	*(7E-03, 3E-02)*	5E-02	*(2E-02, 7E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B266. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(5E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	1E-11	*(8E-12, 1E-10)*	7E-10	*(2E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	*	*
Additive Risk	2E-09	*(7E-10, 2E-09)*	2E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	7E-12	*(4E-12, 2E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 4E-10)*	7E-10	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(3E-09, 7E-09)*	1E-08	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(9E-12, 3E-11)*	3E-11	*(2E-11, 7E-11)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 5E-11)*	3E-10	*(2E-10, 7E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 3E-10)*	3E-10	*
Additive Risk	5E-10	*(3E-10, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	8E-09	*(3E-09, 2E-08)*	9E-07	*	*	*	*	*
ARSENIC	3E-07	*(1E-07, 3E-06)*	1E-05	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	5E-05	*(2E-05, 5E-05)*
BARIUM	4E-09	*(2E-09, 1E-08)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	8E-07	*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	1E-07	*(7E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
CADMIUM	1E-06	*(9E-07, 5E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	5E-10	*(2E-10, 9E-10)*	1E-08	*(6E-09, 3E-08)*	4E-08	*(1E-08, 7E-08)*	1E-07	*(6E-08, 2E-07)*
CHROMIUM (VI)	9E-09	*(7E-09, 3E-08)*	3E-07	*	*	*	*	*
COBALT	3E-10	*(1E-10, 5E-10)*	4E-09	*(3E-09, 6E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
MANGANESE	6E-09	*(2E-09, 1E-08)*	5E-08	*(2E-08, 4E-07)*	3E-07	*(3E-08, 7E-07)*	*	*
MERCURY (DIVALENT)	1E-07	*(5E-08, 3E-07)*	1E-05	*(2E-06, 3E-05)*	3E-05	*(8E-06, 7E-05)*	*	*
MERCURY (METHYL)	9E-06	*(3E-06, 3E-05)*	1E-03	*(2E-04, 8E-03)*	8E-03	*(6E-04, 3E-02)*	*	*
NICKEL	4E-09	*(3E-09, 8E-09)*	1E-07	*	*	*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	2E-09	*(3E-10, 2E-08)*	8E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 2E-06)*	2E-05	*(6E-06, 5E-05)*	6E-05	*(1E-05, 8E-05)*	*	*
Hazard Index	6E-05	*(2E-05, 1E-04)*	2E-03	*(5E-04, 9E-03)*	9E-03	*(8E-04, 3E-02)*	8E-02	*(9E-03, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-05	*(2E-05, 9E-05)*	7E-04	*(3E-04, 9E-04)*	1E-03	*(7E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B267. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(4E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 2E-09)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	9E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(5E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
ARSENIC	6E-11	*(2E-11, 3E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	1E-09	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	7E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 1E-11)*	8E-11	*(3E-11, 1E-10)*	2E-10	*(7E-11, 3E-10)*	4E-10	*
Additive Risk	6E-10	*(3E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-08	*(1E-08, 1E-07)*	3E-06	*	*	*	*	*
ARSENIC	9E-07	*(2E-07, 3E-06)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(6E-05, 2E-04)*
BARIUM	2E-08	*(8E-09, 5E-08)*	4E-07	*(2E-07, 8E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*
BERYLLIUM	4E-09	*(2E-09, 8E-09)*	6E-08	*(2E-08, 7E-08)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	4E-05	*(2E-05, 7E-05)*	9E-05	*(5E-05, 2E-04)*	*	*
CHROMIUM (III)	3E-09	*(1E-09, 7E-09)*	9E-08	*(3E-08, 2E-07)*	3E-07	*(9E-08, 5E-07)*	9E-07	*(4E-07, 1E-06)*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	6E-06	*(1E-06, 9E-06)*	9E-06	*(3E-06, 1E-05)*	2E-05	*
COBALT	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 5E-07)*	6E-07	*(3E-07, 9E-07)*	2E-06	*
MANGANESE	2E-08	*(1E-08, 3E-08)*	4E-07	*(1E-07, 5E-07)*	6E-07	*(2E-07, 7E-07)*	1E-06	*
MERCURY (DIVALENT)	9E-06	*(5E-06, 2E-05)*	1E-04	*(7E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	7E-04	*(3E-04, 9E-04)*
MERCURY (METHYL)	8E-05	*(1E-05, 2E-04)*	2E-03	*	*	*	*	*
NICKEL	3E-08	*(1E-08, 6E-08)*	2E-06	*(3E-07, 3E-06)*	3E-06	*(9E-07, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(9E-07, 6E-06)*	8E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	5E-04	*(3E-04, 6E-04)*
SILVER	7E-07	*(4E-07, 1E-06)*	1E-05	*(9E-06, 4E-05)*	6E-05	*(2E-05, 9E-05)*	2E-04	*
THALLIUM	2E-06	*(1E-06, 4E-06)*	5E-05	*(1E-05, 1E-04)*	1E-04	*(4E-05, 3E-04)*	9E-04	*(1E-04, 1E-03)*
Hazard Index	2E-04	*(9E-05, 4E-04)*	2E-03	*(1E-03, 1E-02)*	1E-02	*(2E-03, 1E-02)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 1E-05)*	3E-05	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 5E-04)*	5E-03	*(2E-03, 9E-03)*	1E-02	*(4E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B268. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(6E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
ARSENIC	1E-11	*(7E-12, 9E-11)*	5E-10	*(2E-10, 7E-10)*	7E-10	*(3E-10, 2E-09)*	*	*
Additive Risk	2E-09	*(8E-10, 3E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 1E-11)*	8E-11	*(3E-11, 1E-10)*	2E-10	*(7E-11, 3E-10)*	4E-10	*
Additive Risk	5E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-09	*(9E-10, 1E-08)*	5E-07	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(7E-06, 3E-05)*	*	*
BARIUM	1E-09	*(6E-10, 4E-09)*	7E-08	*(3E-08, 9E-08)*	9E-08	*(6E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*
BERYLLIUM	5E-09	*(3E-09, 1E-08)*	6E-08	*(4E-08, 7E-08)*	8E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 2E-07)*
CADMIUM	1E-06	*(8E-07, 4E-06)*	2E-05	*(1E-05, 8E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	1E-10	*(7E-11, 3E-10)*	4E-09	*(1E-09, 8E-09)*	9E-09	*(4E-09, 2E-08)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	6E-09	*(3E-09, 2E-08)*	2E-07	*(4E-08, 4E-06)*	3E-06	*(8E-08, 8E-06)*	*	*
COBALT	8E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*
MANGANESE	2E-09	*(8E-10, 6E-09)*	1E-08	*	*	*	*	*
MERCURY (DIVALENT)	3E-08	*(1E-08, 9E-08)*	4E-06	*(5E-07, 9E-06)*	9E-06	*(2E-06, 2E-05)*	4E-05	*
MERCURY (METHYL)	9E-06	*(3E-06, 3E-05)*	1E-03	*(2E-04, 8E-03)*	8E-03	*(6E-04, 3E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	9E-10	*(7E-11, 8E-09)*	5E-08	*	*	*	*	*
THALLIUM	4E-07	*(2E-07, 1E-06)*	1E-05	*(5E-06, 4E-05)*	5E-05	*(9E-06, 8E-05)*	*	*
Hazard Index	5E-05	*(1E-05, 8E-05)*	2E-03	*(5E-04, 9E-03)*	9E-03	*(7E-04, 3E-02)*	8E-02	*(9E-03, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-05	*(2E-05, 8E-05)*	7E-04	*(3E-04, 9E-04)*	9E-04	*(7E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B269. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 6E-09)*	7E-08	*(2E-08, 9E-08)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(1E-07, 5E-07)*
ARSENIC	2E-11	*(7E-12, 9E-11)*	5E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	4E-09	*(3E-09, 7E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	4E-07	*(2E-07, 5E-07)*
Cancer - Inhalation								
TCDD-TEQ	6E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(1E-10, 4E-10)*	6E-10	*
ARSENIC	4E-11	*(1E-11, 2E-10)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 6E-09)*	8E-09	*
BERYLLIUM	1E-12	*(7E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 8E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 9E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	4E-10	*(2E-10, 7E-10)*	5E-09	*(3E-09, 7E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(9E-09, 6E-08)*	1E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 1E-06)*	9E-06	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	6E-05	*(3E-05, 8E-05)*
BARIUM	8E-09	*(3E-09, 2E-08)*	2E-07	*(9E-08, 4E-07)*	6E-07	*(2E-07, 7E-07)*	1E-06	*(8E-07, 3E-06)*
BERYLLIUM	2E-09	*(9E-10, 4E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	1E-07	*(7E-08, 2E-07)*
CADMIUM	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*
CHROMIUM (III)	1E-09	*(6E-10, 3E-09)*	5E-08	*(1E-08, 9E-08)*	1E-07	*(5E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*
CHROMIUM (VI)	6E-08	*(3E-08, 1E-07)*	2E-06	*(7E-07, 6E-06)*	6E-06	*(1E-06, 7E-06)*	*	*
COBALT	1E-08	*(7E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*
MANGANESE	9E-09	*(7E-09, 1E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(4E-07, 8E-07)*
MERCURY (DIVALENT)	5E-06	*(2E-06, 9E-06)*	7E-05	*(3E-05, 1E-04)*	1E-04	*(6E-05, 2E-04)*	4E-04	*(2E-04, 5E-04)*
MERCURY (METHYL)	4E-05	*(9E-06, 1E-04)*	9E-04	*	*	*	*	*
NICKEL	1E-08	*(8E-09, 3E-08)*	9E-07	*(1E-07, 2E-06)*	2E-06	*(4E-07, 3E-06)*	5E-06	*(9E-07, 7E-06)*
SELENIUM	1E-06	*(5E-07, 3E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
SILVER	3E-07	*(1E-07, 6E-07)*	7E-06	*(4E-06, 2E-05)*	2E-05	*(7E-06, 5E-05)*	7E-05	*
THALLIUM	1E-06	*(6E-07, 2E-06)*	2E-05	*(9E-06, 6E-05)*	7E-05	*(2E-05, 2E-04)*	4E-04	*(8E-05, 5E-04)*
Hazard Index	1E-04	*(5E-05, 2E-04)*	1E-03	*(5E-04, 6E-03)*	6E-03	*(1E-03, 6E-03)*	6E-03	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 1E-05)*	3E-05	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(5E-05, 2E-04)*	2E-03	*(7E-04, 3E-03)*	4E-03	*(1E-03, 6E-03)*	9E-03	*(5E-03, 1E-02)*
TCDD-TEQ	1E-04	*(6E-05, 2E-04)*	2E-03	*(9E-04, 5E-03)*	5E-03	*(2E-03, 8E-03)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B270. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-10	*(5E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	9E-12	*(4E-12, 7E-11)*	3E-10	*(1E-10, 5E-10)*	5E-10	*(2E-10, 9E-10)*	*	*
Additive Risk	1E-09	*(6E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(8E-10, 4E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	1E-12	*(6E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	3E-11	*(1E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 1E-10)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-09	*(6E-10, 8E-09)*	3E-07	*	*	*	*	*
ARSENIC	1E-07	*(8E-08, 1E-06)*	6E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	7E-10	*(3E-10, 2E-09)*	4E-08	*(1E-08, 5E-08)*	5E-08	*(3E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*
BERYLLIUM	3E-09	*(2E-09, 9E-09)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	9E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(2E-09, 9E-09)*	2E-08	*(9E-09, 3E-08)*
CHROMIUM (VI)	3E-09	*(2E-09, 1E-08)*	9E-08	*	*	*	*	*
COBALT	4E-10	*(1E-10, 1E-09)*	3E-09	*	*	*	*	*
MANGANESE	9E-10	*(4E-10, 3E-09)*	8E-09	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(8E-09, 5E-08)*	2E-06	*(3E-07, 4E-06)*	5E-06	*(1E-06, 8E-06)*	2E-05	*
MERCURY (METHYL)	8E-06	*(2E-06, 2E-05)*	1E-03	*(9E-05, 6E-03)*	6E-03	*(4E-04, 2E-02)*	*	*
NICKEL	1E-09	*(1E-09, 3E-09)*	5E-08	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	6E-10	*(4E-11, 5E-09)*	3E-08	*	*	*	*	*
THALLIUM	3E-07	*(1E-07, 1E-06)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
Hazard Index	3E-05	*(8E-06, 6E-05)*	1E-03	*(3E-04, 7E-03)*	7E-03	*(5E-04, 2E-02)*	5E-02	*(7E-03, 5E-02)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 1E-05)*	2E-05	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-05	*(1E-05, 4E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(4E-04, 8E-04)*	*	*
TCDD-TEQ	4E-05	*(2E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	8E-03	*(8E-04, 8E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B271. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 7E-09)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	5E-07	*(2E-07, 6E-07)*
ARSENIC	5E-11	*(1E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	5E-09	*(3E-09, 8E-09)*	8E-08	*(3E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	5E-07	*(2E-07, 6E-07)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	8E-10	*
ARSENIC	5E-11	*(2E-11, 3E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 3E-10)*	4E-10	*
Additive Risk	6E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(9E-09, 5E-08)*	1E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 2E-06)*	9E-06	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	4E-09	*(2E-09, 1E-08)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	6E-07	*(4E-07, 9E-07)*
BERYLLIUM	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(5E-08, 1E-07)*
CADMIUM	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	8E-10	*(3E-10, 1E-09)*	3E-08	*(9E-09, 5E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(9E-08, 3E-07)*
CHROMIUM (VI)	3E-08	*(2E-08, 8E-08)*	1E-06	*(4E-07, 6E-06)*	5E-06	*(8E-07, 7E-06)*	*	*
COBALT	7E-09	*(5E-09, 1E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*
MANGANESE	8E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(8E-08, 4E-07)*	4E-07	*(2E-07, 5E-07)*
MERCURY (DIVALENT)	3E-06	*(1E-06, 7E-06)*	4E-05	*(2E-05, 8E-05)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 3E-04)*
MERCURY (METHYL)	3E-05	*(6E-06, 1E-04)*	8E-04	*	*	*	*	*
NICKEL	9E-09	*(5E-09, 2E-08)*	6E-07	*(9E-08, 2E-06)*	2E-06	*(3E-07, 2E-06)*	3E-06	*(6E-07, 4E-06)*
SELENIUM	1E-06	*(5E-07, 3E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*
SILVER	1E-07	*(8E-08, 3E-07)*	3E-06	*(2E-06, 8E-06)*	1E-05	*(3E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
THALLIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(9E-06, 5E-05)*	6E-05	*(1E-05, 2E-04)*	4E-04	*(7E-05, 5E-04)*
Hazard Index	1E-04	*(5E-05, 2E-04)*	1E-03	*(5E-04, 6E-03)*	6E-03	*(1E-03, 6E-03)*	6E-03	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-07	*(5E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 1E-05)*	3E-05	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-05	*(3E-05, 1E-04)*	1E-03	*(5E-04, 2E-03)*	3E-03	*(1E-03, 5E-03)*	9E-03	*(4E-03, 1E-02)*
TCDD-TEQ	8E-05	*(4E-05, 1E-04)*	1E-03	*(5E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	1E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B272. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(9E-10, 3E-09)*	2E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
ARSENIC	1E-11	*(9E-12, 1E-10)*	8E-10	*(2E-10, 9E-10)*	9E-10	*(4E-10, 2E-09)*	*	*
Additive Risk	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(7E-10, 4E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	1E-12	*(6E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	2E-11	*(1E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	3E-09	*(2E-09, 7E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 1E-10)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-09	*(3E-10, 8E-09)*	3E-07	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 1E-06)*	7E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	3E-10	*(2E-10, 9E-10)*	3E-08	*(6E-09, 4E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	2E-09	*(1E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	9E-08	*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	4E-11	*(1E-11, 9E-11)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(9E-10, 4E-09)*	8E-09	*(4E-09, 1E-08)*
CHROMIUM (VI)	3E-09	*(2E-09, 1E-08)*	1E-07	*	*	*	*	*
COBALT	3E-10	*(9E-11, 1E-09)*	3E-09	*	*	*	*	*
MANGANESE	8E-10	*(3E-10, 4E-09)*	8E-09	*	*	*	*	*
MERCURY (DIVALENT)	8E-09	*(3E-09, 2E-08)*	9E-07	*(1E-07, 1E-06)*	2E-06	*(5E-07, 4E-06)*	8E-06	*
MERCURY (METHYL)	8E-06	*(2E-06, 2E-05)*	1E-03	*(9E-05, 6E-03)*	6E-03	*(4E-04, 2E-02)*	*	*
NICKEL	2E-09	*(1E-09, 2E-09)*	5E-08	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	7E-10	*(1E-11, 5E-09)*	3E-08	*	*	*	*	*
THALLIUM	3E-07	*(1E-07, 9E-07)*	1E-05	*(4E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
Hazard Index	3E-05	*(9E-06, 6E-05)*	1E-03	*(3E-04, 7E-03)*	7E-03	*(5E-04, 2E-02)*	5E-02	*(7E-03, 5E-02)*
Non-Cancer - Inhalation								
BARIUM	2E-07	*(1E-07, 5E-07)*	6E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 2E-05)*	6E-05	*
CHLORINE (CL2)	1E-04	*(7E-05, 2E-04)*	2E-03	*(9E-04, 4E-03)*	4E-03	*(2E-03, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(8E-06, 4E-05)*	3E-04	*(1E-04, 5E-04)*	6E-04	*(3E-04, 9E-04)*	1E-03	*
MANGANESE	1E-05	*(7E-06, 2E-05)*	9E-05	*(7E-05, 1E-04)*	1E-04	*(9E-05, 3E-04)*	4E-04	*
MERCURY (ELEMENTAL)	7E-08	*(3E-08, 2E-07)*	2E-06	*(7E-07, 3E-06)*	3E-06	*(1E-06, 7E-06)*	1E-05	*
Hazard Index	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 4E-03)*	4E-03	*(2E-03, 8E-03)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-05	*(1E-05, 5E-05)*	4E-04	*(2E-04, 7E-04)*	7E-04	*(4E-04, 9E-04)*	*	*
TCDD-TEQ	4E-05	*(2E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	7E-03	*(8E-04, 7E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B273. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-07	*(3E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*
ARSENIC	9E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	3E-08	*
Additive Risk	4E-07	*(4E-07, 6E-07)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 6E-06)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 3E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*
ARSENIC	2E-10	*(9E-11, 4E-10)*	3E-09	*(2E-09, 8E-09)*	9E-09	*(3E-09, 1E-08)*	3E-08	*
BERYLLIUM	7E-12	*(4E-12, 1E-11)*	9E-11	*(4E-11, 1E-10)*	2E-10	*(9E-11, 3E-10)*	4E-10	*
CADMIUM	1E-10	*(8E-11, 1E-10)*	2E-09	*(4E-10, 6E-09)*	5E-09	*(6E-10, 1E-08)*	3E-08	*
CHROMIUM (VI)	1E-09	*(7E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(9E-09, 3E-08)*	6E-08	*
NICKEL	4E-11	*(2E-11, 7E-11)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-06	*(7E-07, 5E-06)*	9E-05	*(3E-05, 3E-04)*	4E-04	*(8E-05, 9E-04)*	4E-03	*
ARSENIC	2E-06	*(9E-07, 4E-06)*	6E-05	*(3E-05, 9E-05)*	1E-04	*(6E-05, 4E-04)*	7E-04	*
BARIUM	2E-07	*(1E-07, 4E-07)*	5E-06	*(2E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	4E-05	*(3E-05, 4E-05)*
BERYLLIUM	3E-08	*(2E-08, 4E-08)*	3E-07	*(2E-07, 5E-07)*	9E-07	*(3E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
CADMIUM	1E-05	*(7E-06, 3E-05)*	3E-04	*(9E-05, 9E-04)*	9E-04	*(2E-04, 2E-03)*	5E-03	*
CHROMIUM (III)	6E-08	*(4E-08, 7E-08)*	8E-07	*(4E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*
CHROMIUM (VI)	1E-06	*(9E-07, 2E-06)*	2E-05	*(1E-05, 2E-05)*	4E-05	*(2E-05, 5E-05)*	1E-04	*(9E-05, 2E-04)*
COBALT	2E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	*	*
MANGANESE	2E-07	*(1E-07, 2E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(1E-06, 3E-06)*	7E-06	*
MERCURY (DIVALENT)	1E-04	*(7E-05, 4E-04)*	3E-03	*(2E-03, 5E-03)*	6E-03	*(3E-03, 8E-03)*	1E-02	*
MERCURY (METHYL)	4E-04	*(1E-04, 9E-04)*	1E-02	*(3E-03, 5E-02)*	5E-02	*(8E-03, 7E-02)*	9E-02	*
NICKEL	6E-07	*(3E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	4E-05	*
SELENIUM	2E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 2E-03)*	4E-03	*
SILVER	3E-06	*(2E-06, 7E-06)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	5E-04	*
THALLIUM	2E-05	*(9E-06, 5E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	1E-02	*
Hazard Index	1E-03	*(6E-04, 3E-03)*	3E-02	*(1E-02, 9E-02)*	9E-02	*(1E-02, 1E-01)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	6E-05	*(3E-05, 1E-04)*	1E-04	*(6E-05, 2E-04)*	3E-04	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-02	*(1E-02, 2E-02)*	1E-01	*(9E-02, 1E-01)*	1E-01	*(1E-01, 2E-01)*	2E-01	*(2E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B274. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
ARSENIC	2E-11	*(9E-12, 6E-11)*	8E-10	*(2E-10, 9E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*
Additive Risk	2E-08	*(2E-08, 3E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(1E-07, 2E-07)*	2E-07	*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 3E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*
ARSENIC	1E-10	*(6E-11, 3E-10)*	4E-09	*(1E-09, 1E-08)*	1E-08	*(3E-09, 2E-08)*	3E-08	*
BERYLLIUM	8E-12	*(4E-12, 1E-11)*	1E-10	*(6E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	4E-10	*
CADMIUM	1E-10	*(7E-11, 1E-10)*	2E-09	*(4E-10, 6E-09)*	5E-09	*(8E-10, 1E-08)*	3E-08	*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(8E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*
NICKEL	4E-11	*(2E-11, 8E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
Additive Risk	3E-09	*(3E-09, 4E-09)*	2E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(9E-08, 2E-06)*	1E-05	*(3E-06, 2E-05)*	2E-05	*(4E-06, 2E-05)*	4E-05	*
ARSENIC	5E-07	*(2E-07, 1E-06)*	2E-05	*(5E-06, 2E-05)*	3E-05	*(2E-05, 3E-05)*	7E-05	*
BARIUM	6E-08	*(3E-08, 1E-07)*	9E-07	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*	6E-06	*(5E-06, 7E-06)*
BERYLLIUM	4E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 8E-07)*	1E-06	*(4E-07, 1E-06)*	2E-06	*
CADMIUM	3E-06	*(2E-06, 5E-06)*	1E-04	*(2E-05, 3E-04)*	6E-04	*	*	*
CHROMIUM (III)	5E-09	*(3E-09, 6E-09)*	8E-08	*(6E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*
CHROMIUM (VI)	5E-08	*(2E-08, 1E-07)*	2E-06	*	*	*	*	*
COBALT	1E-09	*(9E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
MANGANESE	2E-08	*(1E-08, 4E-08)*	2E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	3E-07	*
MERCURY (DIVALENT)	9E-07	*(3E-07, 2E-06)*	9E-05	*(9E-06, 2E-04)*	2E-04	*(2E-05, 5E-04)*	9E-04	*(2E-04, 2E-03)*
MERCURY (METHYL)	5E-05	*(4E-06, 2E-04)*	5E-03	*(5E-04, 2E-02)*	3E-02	*(3E-03, 6E-02)*	*	*
NICKEL	2E-08	*(1E-08, 4E-08)*	7E-07	*	*	*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	7E-10	*(2E-10, 8E-09)*	2E-07	*	*	*	*	*
THALLIUM	3E-06	*(1E-06, 9E-06)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(9E-05, 4E-04)*	*	*
Hazard Index	2E-04	*(8E-05, 3E-04)*	5E-03	*(9E-04, 2E-02)*	5E-02	*(4E-03, 8E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	4E-05	*(1E-05, 8E-05)*	9E-05	*(3E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(9E-04, 1E-03)*	7E-03	*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B275. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
ARSENIC	9E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	3E-08	*
Additive Risk	3E-07	*(3E-07, 5E-07)*	2E-06	*(2E-06, 3E-06)*	3E-06	*(3E-06, 3E-06)*	4E-06	*(4E-06, 5E-06)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	4E-09	*(2E-09, 9E-09)*	1E-08	*(3E-09, 1E-08)*	4E-08	*
BERYLLIUM	8E-12	*(5E-12, 1E-11)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	5E-10	*
CADMIUM	1E-10	*(1E-10, 2E-10)*	2E-09	*(5E-10, 7E-09)*	6E-09	*(7E-10, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(8E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	7E-08	*
NICKEL	5E-11	*(2E-11, 9E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 6E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(4E-07, 3E-06)*	7E-05	*(2E-05, 2E-04)*	2E-04	*(5E-05, 7E-04)*	3E-03	*
ARSENIC	1E-06	*(7E-07, 2E-06)*	4E-05	*(2E-05, 8E-05)*	9E-05	*(5E-05, 3E-04)*	5E-04	*
BARIUM	1E-07	*(9E-08, 2E-07)*	2E-06	*(1E-06, 4E-06)*	6E-06	*(4E-06, 9E-06)*	2E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-08	*(9E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(1E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*
CADMIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(7E-05, 7E-04)*	7E-04	*(2E-04, 2E-03)*	3E-03	*
CHROMIUM (III)	3E-08	*(2E-08, 3E-08)*	4E-07	*(2E-07, 6E-07)*	7E-07	*(5E-07, 9E-07)*	*	*
CHROMIUM (VI)	9E-07	*(6E-07, 1E-06)*	1E-05	*(9E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	*	*
COBALT	1E-07	*(9E-08, 1E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*
MANGANESE	9E-08	*(8E-08, 1E-07)*	8E-07	*(7E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*
MERCURY (DIVALENT)	9E-05	*(4E-05, 2E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	8E-03	*
MERCURY (METHYL)	3E-04	*(9E-05, 6E-04)*	7E-03	*	*	*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 8E-06)*	9E-06	*(5E-06, 1E-05)*	2E-05	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 5E-04)*	6E-04	*(3E-04, 1E-03)*	3E-03	*
SILVER	1E-06	*(9E-07, 3E-06)*	3E-05	*(2E-05, 5E-05)*	6E-05	*(3E-05, 9E-05)*	3E-04	*
THALLIUM	1E-05	*(8E-06, 4E-05)*	9E-04	*(3E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	7E-03	*(3E-03, 9E-03)*
Hazard Index	8E-04	*(4E-04, 2E-03)*	2E-02	*(7E-03, 7E-02)*	7E-02	*(9E-03, 7E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	6E-05	*(3E-05, 1E-04)*	1E-04	*(6E-05, 2E-04)*	3E-04	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-02	*(9E-03, 1E-02)*	7E-02	*(6E-02, 8E-02)*	9E-02	*(8E-02, 9E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B276. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(2E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*	2E-07	*(2E-07, 3E-07)*	*	*
ARSENIC	1E-11	*(8E-12, 3E-11)*	6E-10	*(1E-10, 9E-10)*	1E-09	*(9E-10, 1E-09)*	*	*
Additive Risk	3E-08	*(2E-08, 4E-08)*	2E-07	*(2E-07, 3E-07)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 4E-07)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	2E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*
ARSENIC	2E-10	*(7E-11, 4E-10)*	4E-09	*(2E-09, 1E-08)*	1E-08	*(4E-09, 3E-08)*	4E-08	*
BERYLLIUM	9E-12	*(5E-12, 2E-11)*	1E-10	*(7E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	5E-10	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(5E-10, 7E-09)*	6E-09	*(9E-10, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(9E-10, 2E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 4E-08)*	8E-08	*
NICKEL	5E-11	*(2E-11, 1E-10)*	9E-10	*(3E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
Additive Risk	4E-09	*(3E-09, 5E-09)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(3E-08, 7E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	2E-07	*(3E-08, 9E-07)*	7E-06	*(1E-06, 8E-06)*	8E-06	*(2E-06, 9E-06)*	1E-05	*
ARSENIC	3E-07	*(1E-07, 5E-07)*	1E-05	*(3E-06, 2E-05)*	2E-05	*(1E-05, 2E-05)*	3E-05	*
BARIUM	1E-08	*(8E-09, 4E-08)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(4E-07, 7E-07)*	*	*
BERYLLIUM	1E-08	*(1E-08, 2E-08)*	1E-07	*(7E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	*	*
CADMIUM	3E-06	*(2E-06, 4E-06)*	9E-05	*(2E-05, 3E-04)*	6E-04	*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
CHROMIUM (VI)	2E-08	*(1E-08, 9E-08)*	1E-06	*	*	*	*	*
COBALT	4E-10	*(3E-10, 5E-10)*	4E-09	*(3E-09, 7E-09)*	8E-09	*(5E-09, 8E-09)*	1E-08	*
MANGANESE	8E-09	*(3E-09, 1E-08)*	7E-08	*	*	*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 5E-07)*	2E-05	*(2E-06, 7E-05)*	7E-05	*(6E-06, 1E-04)*	2E-04	*(6E-05, 4E-04)*
MERCURY (METHYL)	5E-05	*(4E-06, 2E-04)*	5E-03	*(5E-04, 2E-02)*	3E-02	*(3E-03, 6E-02)*	*	*
NICKEL	9E-09	*(6E-09, 2E-08)*	3E-07	*(7E-08, 7E-07)*	7E-07	*(2E-07, 8E-07)*	*	*
SELENIUM	3E-06	*(1E-06, 6E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*	*	*
SILVER	2E-10	*(9E-11, 2E-09)*	1E-07	*	*	*	*	*
THALLIUM	3E-06	*(8E-07, 9E-06)*	9E-05	*(4E-05, 1E-04)*	2E-04	*(9E-05, 3E-04)*	*	*
Hazard Index	1E-04	*(4E-05, 3E-04)*	5E-03	*(9E-04, 2E-02)*	5E-02	*(4E-03, 8E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	4E-05	*(1E-05, 8E-05)*	9E-05	*(3E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-04	*(8E-04, 1E-03)*	6E-03	*	*	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B277. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(1E-07, 2E-07)*	9E-07	*(9E-07, 1E-06)*	1E-06	*(1E-06, 1E-06)*	2E-06	*
ARSENIC	5E-11	*(2E-11, 8E-11)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 9E-09)*	1E-08	*
Additive Risk	2E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 2E-10)*	1E-09	*(9E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	3E-09	*
ARSENIC	1E-10	*(7E-11, 3E-10)*	2E-09	*(1E-09, 6E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
BERYLLIUM	5E-12	*(3E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(7E-11, 2E-10)*	3E-10	*
CADMIUM	8E-11	*(6E-11, 1E-10)*	1E-09	*(3E-10, 4E-09)*	4E-09	*(5E-10, 1E-08)*	2E-08	*
CHROMIUM (VI)	7E-10	*(5E-10, 1E-09)*	6E-09	*(5E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	4E-08	*
NICKEL	3E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 7E-10)*	8E-10	*(4E-10, 1E-09)*	2E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(1E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	7E-07	*(2E-07, 2E-06)*	3E-05	*(9E-06, 8E-05)*	1E-04	*(2E-05, 3E-04)*	1E-03	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 1E-04)*	3E-04	*
BARIUM	6E-08	*(4E-08, 9E-08)*	1E-06	*(6E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 1E-05)*
BERYLLIUM	8E-09	*(4E-09, 9E-09)*	7E-08	*(4E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	6E-07	*(3E-07, 6E-07)*
CADMIUM	5E-06	*(2E-06, 1E-05)*	1E-04	*(4E-05, 3E-04)*	4E-04	*(8E-05, 1E-03)*	2E-03	*
CHROMIUM (III)	1E-08	*(9E-09, 1E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	7E-07	*
CHROMIUM (VI)	4E-07	*(2E-07, 7E-07)*	5E-06	*(4E-06, 6E-06)*	9E-06	*(6E-06, 1E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	5E-08	*(5E-08, 7E-08)*	6E-07	*(5E-07, 7E-07)*	9E-07	*(7E-07, 1E-06)*	*	*
MANGANESE	5E-08	*(4E-08, 8E-08)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(5E-07, 9E-07)*	*	*
MERCURY (DIVALENT)	4E-05	*(2E-05, 1E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*(9E-04, 2E-03)*	4E-03	*
MERCURY (METHYL)	1E-04	*(5E-05, 3E-04)*	4E-03	*	*	*	*	*
NICKEL	2E-07	*(9E-08, 3E-07)*	2E-06	*(1E-06, 4E-06)*	4E-06	*(2E-06, 8E-06)*	1E-05	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(1E-04, 7E-04)*	1E-03	*
SILVER	7E-07	*(5E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 4E-05)*	9E-05	*
THALLIUM	8E-06	*(4E-06, 2E-05)*	4E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	4E-03	*(1E-03, 5E-03)*
Hazard Index	4E-04	*(2E-04, 9E-04)*	1E-02	*(3E-03, 4E-02)*	4E-02	*(5E-03, 4E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	6E-05	*(3E-05, 1E-04)*	1E-04	*(6E-05, 2E-04)*	3E-04	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-03	*(3E-03, 6E-03)*	2E-02	*(2E-02, 3E-02)*	3E-02	*(3E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*
TCDD-TEQ	6E-03	*(5E-03, 7E-03)*	4E-02	*(3E-02, 4E-02)*	5E-02	*(4E-02, 5E-02)*	7E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B278. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	1E-07	*(9E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	*	*
ARSENIC	9E-12	*(5E-12, 2E-11)*	4E-10	*(9E-11, 7E-10)*	8E-10	*	*	*
Additive Risk	2E-08	*(2E-08, 3E-08)*	1E-07	*(1E-07, 2E-07)*	2E-07	*(1E-07, 2E-07)*	2E-07	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 2E-10)*	1E-09	*(9E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	3E-09	*
ARSENIC	1E-10	*(5E-11, 3E-10)*	3E-09	*(1E-09, 7E-09)*	7E-09	*(3E-09, 2E-08)*	2E-08	*
BERYLLIUM	6E-12	*(3E-12, 1E-11)*	8E-11	*(4E-11, 1E-10)*	2E-10	*(8E-11, 2E-10)*	3E-10	*
CADMIUM	8E-11	*(5E-11, 1E-10)*	1E-09	*(3E-10, 4E-09)*	4E-09	*(6E-10, 1E-08)*	2E-08	*
CHROMIUM (VI)	9E-10	*(6E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(8E-09, 3E-08)*	5E-08	*
NICKEL	3E-11	*(1E-11, 6E-11)*	6E-10	*(2E-10, 7E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(2E-08, 7E-07)*	5E-06	*(9E-07, 6E-06)*	6E-06	*(1E-06, 6E-06)*	7E-06	*
ARSENIC	2E-07	*(9E-08, 3E-07)*	7E-06	*(2E-06, 1E-05)*	*	*	*	*
BARIUM	9E-09	*(4E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(6E-07, 9E-07)*
BERYLLIUM	9E-09	*(7E-09, 1E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	*	*
CADMIUM	2E-06	*(1E-06, 3E-06)*	6E-05	*(1E-05, 2E-04)*	4E-04	*	*	*
CHROMIUM (III)	8E-10	*(5E-10, 9E-10)*	1E-08	*(8E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	3E-08	*
CHROMIUM (VI)	1E-08	*(8E-09, 6E-08)*	7E-07	*	*	*	*	*
COBALT	1E-09	*(6E-10, 4E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(1E-08, 3E-08)*	4E-08	*
MANGANESE	4E-09	*(2E-09, 9E-09)*	4E-08	*	*	*	*	*
MERCURY (DIVALENT)	1E-07	*(5E-08, 3E-07)*	1E-05	*(1E-06, 3E-05)*	4E-05	*(4E-06, 7E-05)*	1E-04	*(3E-05, 2E-04)*
MERCURY (METHYL)	4E-05	*(2E-06, 1E-04)*	3E-03	*(4E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	*	*
NICKEL	7E-09	*(4E-09, 1E-08)*	2E-07	*(4E-08, 4E-07)*	4E-07	*(1E-07, 6E-07)*	6E-07	*(2E-07, 7E-07)*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	1E-10	*(7E-11, 1E-09)*	1E-07	*	*	*	*	*
THALLIUM	2E-06	*(5E-07, 7E-06)*	8E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	*	*
Hazard Index	1E-04	*(3E-05, 2E-04)*	3E-03	*(7E-04, 1E-02)*	3E-02	*(3E-03, 6E-02)*	9E-02	*(3E-02, 9E-02)*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	4E-05	*(2E-05, 7E-05)*	7E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	2E-03	*(1E-03, 2E-03)*	1E-02	*(1E-02, 2E-02)*	2E-02	*(1E-02, 4E-02)*	5E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(8E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(2E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(7E-04, 2E-03)*	2E-03	*
MERCURY (ELEMENTAL)	1E-06	*(7E-07, 3E-06)*	4E-05	*(1E-05, 8E-05)*	9E-05	*(3E-05, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(4E-04, 8E-04)*	3E-03	*(2E-03, 5E-03)*	6E-03	*(3E-03, 6E-03)*	*	*
TCDD-TEQ	8E-04	*(6E-04, 1E-03)*	5E-03	*(4E-03, 7E-03)*	7E-03	*(5E-03, 8E-03)*	1E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B279. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*
ARSENIC	9E-11	*(4E-11, 2E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	3E-08	*
Additive Risk	2E-07	*(2E-07, 2E-07)*	1E-06	*(1E-06, 1E-06)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	3E-10	*(2E-10, 4E-10)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*	4E-09	*
ARSENIC	2E-10	*(1E-10, 5E-10)*	4E-09	*(2E-09, 9E-09)*	1E-08	*(3E-09, 1E-08)*	4E-08	*
BERYLLIUM	8E-12	*(4E-12, 1E-11)*	1E-10	*(5E-11, 2E-10)*	2E-10	*(1E-10, 3E-10)*	4E-10	*
CADMIUM	1E-10	*(9E-11, 2E-10)*	2E-09	*(5E-10, 6E-09)*	5E-09	*(7E-10, 2E-08)*	4E-08	*
CHROMIUM (VI)	1E-09	*(7E-10, 2E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	6E-08	*
NICKEL	5E-11	*(2E-11, 8E-11)*	6E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	3E-09	*(2E-09, 4E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 6E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 2E-06)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(1E-05, 2E-04)*	9E-04	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 1E-04)*	3E-04	*
BARIUM	4E-08	*(2E-08, 6E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*	4E-06	*(4E-06, 5E-06)*
BERYLLIUM	7E-09	*(3E-09, 9E-09)*	5E-08	*(4E-08, 9E-08)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(2E-07, 5E-07)*
CADMIUM	5E-06	*(3E-06, 1E-05)*	1E-04	*(4E-05, 4E-04)*	4E-04	*(9E-05, 1E-03)*	2E-03	*
CHROMIUM (III)	8E-09	*(5E-09, 9E-09)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	4E-07	*
CHROMIUM (VI)	2E-07	*(1E-07, 5E-07)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(3E-06, 8E-06)*	2E-05	*(1E-05, 2E-05)*
COBALT	4E-08	*(3E-08, 5E-08)*	4E-07	*(3E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	*	*
MANGANESE	4E-08	*(3E-08, 5E-08)*	3E-07	*(2E-07, 3E-07)*	4E-07	*(3E-07, 6E-07)*	9E-07	*
MERCURY (DIVALENT)	3E-05	*(1E-05, 8E-05)*	7E-04	*(4E-04, 9E-04)*	1E-03	*(7E-04, 1E-03)*	3E-03	*
MERCURY (METHYL)	1E-04	*(5E-05, 2E-04)*	4E-03	*	*	*	*	*
NICKEL	1E-07	*(5E-08, 2E-07)*	1E-06	*(8E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	7E-06	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 8E-04)*	2E-03	*
SILVER	4E-07	*(2E-07, 7E-07)*	7E-06	*(4E-06, 9E-06)*	1E-05	*(7E-06, 2E-05)*	5E-05	*
THALLIUM	8E-06	*(3E-06, 1E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(5E-04, 1E-03)*	3E-03	*(1E-03, 5E-03)*
Hazard Index	3E-04	*(2E-04, 7E-04)*	7E-03	*(3E-03, 4E-02)*	4E-02	*(4E-03, 4E-02)*	4E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-06	*(2E-06, 4E-06)*	3E-05	*(1E-05, 5E-05)*	6E-05	*(4E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(8E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	4E-03	*
MANGANESE	8E-05	*(6E-05, 1E-04)*	6E-04	*(4E-04, 8E-04)*	9E-04	*(6E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	2E-06	*(9E-07, 3E-06)*	6E-05	*(3E-05, 1E-04)*	1E-04	*(6E-05, 2E-04)*	3E-04	*
Hazard Index	1E-03	*(9E-04, 2E-03)*	1E-02	*(9E-03, 2E-02)*	2E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 3E-02)*	4E-02	*(3E-02, 5E-02)*
TCDD-TEQ	4E-03	*(3E-03, 4E-03)*	2E-02	*(2E-02, 3E-02)*	3E-02	*(3E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B280. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Waste Heat Boilers

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(3E-08, 5E-08)*	2E-07	*(2E-07, 3E-07)*	3E-07	*(2E-07, 4E-07)*	*	*
ARSENIC	1E-11	*(9E-12, 4E-11)*	6E-10	*	*	*	*	*
Additive Risk	4E-08	*(3E-08, 6E-08)*	2E-07	*(2E-07, 4E-07)*	4E-07	*(2E-07, 4E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	2E-10	*(2E-10, 2E-10)*	1E-09	*(9E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	3E-09	*
ARSENIC	1E-10	*(5E-11, 3E-10)*	3E-09	*(1E-09, 7E-09)*	7E-09	*(2E-09, 2E-08)*	2E-08	*
BERYLLIUM	6E-12	*(3E-12, 1E-11)*	8E-11	*(4E-11, 1E-10)*	2E-10	*(8E-11, 2E-10)*	3E-10	*
CADMIUM	8E-11	*(5E-11, 1E-10)*	1E-09	*(3E-10, 4E-09)*	4E-09	*(6E-10, 1E-08)*	2E-08	*
CHROMIUM (VI)	9E-10	*(6E-10, 1E-09)*	8E-09	*(6E-09, 1E-08)*	2E-08	*(8E-09, 3E-08)*	5E-08	*
NICKEL	3E-11	*(1E-11, 6E-11)*	5E-10	*(2E-10, 7E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
Additive Risk	2E-09	*(2E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(1E-08, 7E-07)*	3E-06	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 3E-07)*	6E-06	*(2E-06, 9E-06)*	1E-05	*	*	*
BARIUM	5E-09	*(2E-09, 9E-09)*	9E-08	*(4E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(3E-07, 4E-07)*
BERYLLIUM	8E-09	*(5E-09, 1E-08)*	5E-08	*(3E-08, 9E-08)*	9E-08	*(6E-08, 1E-07)*	*	*
CADMIUM	2E-06	*(1E-06, 3E-06)*	5E-05	*(9E-06, 2E-04)*	4E-04	*	*	*
CHROMIUM (III)	3E-10	*(2E-10, 4E-10)*	5E-09	*(3E-09, 6E-09)*	7E-09	*(5E-09, 8E-09)*	1E-08	*
CHROMIUM (VI)	1E-08	*(4E-09, 4E-08)*	8E-07	*(1E-07, 2E-06)*	2E-06	*	*	*
COBALT	7E-10	*(4E-10, 3E-09)*	2E-08	*	*	*	*	*
MANGANESE	2E-09	*(1E-09, 8E-09)*	5E-08	*	*	*	*	*
MERCURY (DIVALENT)	6E-08	*(2E-08, 1E-07)*	6E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 3E-05)*	5E-05	*(1E-05, 8E-05)*
MERCURY (METHYL)	4E-05	*(2E-06, 1E-04)*	3E-03	*(4E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	*	*
NICKEL	6E-09	*(3E-09, 1E-08)*	2E-07	*	*	*	*	*
SELENIUM	2E-06	*(9E-07, 4E-06)*	6E-05	*(2E-05, 9E-05)*	1E-04	*	*	*
SILVER	1E-10	*(7E-11, 9E-10)*	1E-07	*	*	*	*	*
THALLIUM	2E-06	*(6E-07, 6E-06)*	7E-05	*(3E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*	*	*
Hazard Index	9E-05	*(3E-05, 2E-04)*	3E-03	*(7E-04, 1E-02)*	3E-02	*(3E-03, 6E-02)*	9E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(3E-05, 9E-05)*	1E-04	*
CHLORINE (CL2)	1E-03	*(7E-04, 2E-03)*	1E-02	*(7E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	1E-04	*(6E-05, 2E-04)*	1E-03	*(6E-04, 2E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	5E-04	*(3E-04, 6E-04)*	7E-04	*(5E-04, 1E-03)*	2E-03	*
MERCURY (ELEMENTAL)	8E-07	*(4E-07, 2E-06)*	3E-05	*(7E-06, 6E-05)*	6E-05	*(2E-05, 2E-04)*	2E-04	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	1E-02	*(8E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(5E-04, 9E-04)*	4E-03	*(3E-03, 6E-03)*	6E-03	*(4E-03, 7E-03)*	*	*
TCDD-TEQ	8E-04	*(5E-04, 1E-03)*	4E-03	*(4E-03, 7E-03)*	7E-03	*(4E-03, 8E-03)*	1E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B281. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 5E-08)*	6E-07	*(3E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	4E-06	*(3E-06, 4E-06)*
ARSENIC	2E-10	*(8E-11, 4E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	3E-08	*(2E-08, 5E-08)*	6E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	4E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	4E-10	*(3E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(6E-11, 5E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*
BERYLLIUM	4E-12	*(3E-12, 6E-12)*	2E-10	*(6E-11, 5E-10)*	6E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	9E-11	*(6E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(2E-09, 8E-09)*	2E-08	*
CHROMIUM (VI)	4E-10	*(3E-10, 7E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(8E-12, 3E-11)*	4E-10	*(3E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*
Non-Cancer - Ingestion								
ANTIMONY	5E-07	*(1E-07, 1E-06)*	1E-03	*(2E-04, 2E-03)*	3E-03	*(1E-03, 9E-03)*	*	*
ARSENIC	5E-06	*(2E-06, 9E-06)*	2E-04	*(9E-05, 4E-04)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(8E-04, 1E-03)*
BARIUM	1E-07	*(7E-08, 1E-07)*	3E-06	*(2E-06, 5E-06)*	9E-06	*(4E-06, 2E-05)*	7E-05	*(3E-05, 9E-05)*
BERYLLIUM	2E-08	*(1E-08, 3E-08)*	9E-07	*(5E-07, 2E-06)*	5E-06	*(1E-06, 2E-05)*	3E-05	*(9E-06, 4E-05)*
CADMIUM	1E-05	*(8E-06, 2E-05)*	5E-04	*(3E-04, 7E-04)*	1E-03	*(7E-04, 1E-03)*	5E-03	*
CHROMIUM (III)	2E-08	*(1E-08, 4E-08)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	5E-06	*(4E-06, 6E-06)*
CHROMIUM (VI)	7E-07	*(4E-07, 1E-06)*	3E-05	*(1E-05, 4E-05)*	5E-05	*(4E-05, 8E-05)*	2E-04	*(9E-05, 3E-04)*
COBALT	1E-07	*(8E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	9E-08	*(6E-08, 1E-07)*	1E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 8E-06)*
MERCURY (DIVALENT)	1E-04	*(8E-05, 3E-04)*	3E-03	*(2E-03, 4E-03)*	6E-03	*(4E-03, 8E-03)*	1E-02	*(1E-02, 1E-02)*
MERCURY (METHYL)	9E-04	*(3E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(9E-03, 4E-02)*	*	*
NICKEL	2E-07	*(1E-07, 6E-07)*	1E-05	*(8E-06, 2E-05)*	3E-05	*(2E-05, 5E-05)*	1E-04	*(1E-04, 1E-04)*
SELENIUM	1E-05	*(6E-06, 2E-05)*	4E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	5E-03	*(1E-03, 7E-03)*
SILVER	3E-06	*(1E-06, 4E-06)*	9E-05	*(6E-05, 1E-04)*	2E-04	*(1E-04, 8E-04)*	5E-03	*(3E-04, 1E-02)*
THALLIUM	7E-06	*(4E-06, 9E-06)*	4E-04	*(2E-04, 9E-04)*	1E-03	*(8E-04, 3E-03)*	1E-02	*(9E-03, 1E-02)*
Hazard Index	2E-03	*(1E-03, 4E-03)*	2E-02	*(2E-02, 3E-02)*	4E-02	*(2E-02, 6E-02)*	2E-01	*(5E-02, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-03	*(8E-04, 2E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(4E-02, 9E-02)*	2E-01	*(1E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B282. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(2E-09, 4E-09)*	1E-07	*(6E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
ARSENIC	9E-11	*(4E-11, 1E-10)*	3E-09	*(9E-10, 1E-08)*	1E-08	*	*	*
Additive Risk	4E-09	*(2E-09, 6E-09)*	2E-07	*(6E-08, 4E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	4E-10	*(3E-10, 6E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	2E-10	*(6E-11, 5E-10)*	8E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(3E-08, 5E-08)*
BERYLLIUM	4E-12	*(2E-12, 6E-12)*	1E-10	*(6E-11, 3E-10)*	4E-10	*(2E-10, 7E-10)*	1E-09	*
CADMIUM	8E-11	*(5E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(2E-09, 8E-09)*	2E-08	*(1E-08, 3E-08)*
CHROMIUM (VI)	4E-10	*(2E-10, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	1E-11	*(8E-12, 3E-11)*	4E-10	*(2E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	4E-09	*(2E-09, 5E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(8E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-08	*(1E-08, 1E-07)*	3E-04	*(9E-06, 2E-03)*	2E-03	*	*	*
ARSENIC	2E-06	*(9E-07, 4E-06)*	7E-05	*(3E-05, 3E-04)*	4E-04	*(9E-05, 6E-04)*	7E-04	*(4E-04, 7E-04)*
BARIUM	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(6E-07, 2E-06)*	9E-06	*(4E-06, 1E-05)*
BERYLLIUM	3E-08	*(1E-08, 4E-08)*	9E-07	*(4E-07, 2E-06)*	4E-06	*(1E-06, 1E-05)*	3E-05	*(9E-06, 4E-05)*
CADMIUM	6E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 4E-04)*	8E-04	*(3E-04, 9E-04)*	2E-03	*
CHROMIUM (III)	2E-09	*(1E-09, 4E-09)*	7E-08	*(5E-08, 9E-08)*	1E-07	*(9E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*
CHROMIUM (VI)	3E-08	*(1E-08, 5E-08)*	3E-06	*(6E-07, 1E-05)*	1E-05	*(2E-06, 3E-05)*	*	*
COBALT	7E-10	*(5E-10, 9E-10)*	1E-08	*(9E-09, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(6E-08, 9E-08)*
MANGANESE	9E-09	*(6E-09, 1E-08)*	4E-07	*(1E-07, 7E-07)*	7E-07	*(3E-07, 8E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-06	*(5E-07, 3E-06)*	5E-05	*(2E-05, 1E-04)*	2E-04	*(5E-05, 5E-04)*	1E-03	*(3E-04, 2E-03)*
MERCURY (METHYL)	2E-05	*(7E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(7E-03, 7E-02)*	*	*
NICKEL	1E-08	*(6E-09, 3E-08)*	2E-06	*(6E-07, 5E-06)*	5E-06	*(1E-06, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	2E-09	*(9E-10, 8E-09)*	4E-07	*(9E-08, 8E-07)*	9E-07	*(3E-07, 2E-06)*	*	*
THALLIUM	1E-06	*(8E-07, 2E-06)*	6E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 9E-04)*	2E-03	*(1E-03, 2E-03)*
Hazard Index	2E-04	*(9E-05, 5E-04)*	1E-02	*(6E-03, 3E-02)*	4E-02	*(1E-02, 9E-02)*	5E-01	*(8E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	6E-04	*(5E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(9E-05, 2E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B283. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(1E-08, 3E-08)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(7E-07, 1E-06)*	3E-06	*(2E-06, 3E-06)*
ARSENIC	2E-10	*(8E-11, 3E-10)*	9E-09	*(3E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	2E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 8E-07)*	1E-06	*(7E-07, 2E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	3E-11	*(2E-11, 5E-11)*	5E-10	*(3E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
BERYLLIUM	5E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 5E-10)*	7E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	1E-10	*(7E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	5E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(9E-08, 9E-07)*	8E-04	*(9E-05, 1E-03)*	1E-03	*(9E-04, 6E-03)*	9E-03	*
ARSENIC	3E-06	*(1E-06, 6E-06)*	1E-04	*(6E-05, 3E-04)*	3E-04	*(2E-04, 4E-04)*	7E-04	*(5E-04, 9E-04)*
BARIUM	6E-08	*(3E-08, 9E-08)*	1E-06	*(1E-06, 2E-06)*	5E-06	*(2E-06, 9E-06)*	3E-05	*(1E-05, 4E-05)*
BERYLLIUM	9E-09	*(6E-09, 2E-08)*	5E-07	*(2E-07, 1E-06)*	2E-06	*(6E-07, 9E-06)*	2E-05	*(4E-06, 2E-05)*
CADMIUM	9E-06	*(6E-06, 1E-05)*	3E-04	*(2E-04, 5E-04)*	9E-04	*(5E-04, 1E-03)*	3E-03	*(2E-03, 7E-03)*
CHROMIUM (III)	1E-08	*(8E-09, 2E-08)*	4E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
CHROMIUM (VI)	4E-07	*(2E-07, 7E-07)*	1E-05	*(9E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*	1E-04	*(5E-05, 1E-04)*
COBALT	7E-08	*(5E-08, 9E-08)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	6E-08	*(3E-08, 9E-08)*	9E-07	*(6E-07, 9E-07)*	1E-06	*(1E-06, 2E-06)*	4E-06	*(3E-06, 5E-06)*
MERCURY (DIVALENT)	8E-05	*(4E-05, 1E-04)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(2E-03, 5E-03)*	9E-03	*(7E-03, 9E-03)*
MERCURY (METHYL)	6E-04	*(2E-04, 9E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(5E-03, 3E-02)*	*	*
NICKEL	1E-07	*(6E-08, 3E-07)*	7E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 3E-05)*	7E-05	*(5E-05, 9E-05)*
SELENIUM	8E-06	*(5E-06, 1E-05)*	2E-04	*(2E-04, 4E-04)*	6E-04	*(3E-04, 9E-04)*	4E-03	*(1E-03, 5E-03)*
SILVER	1E-06	*(9E-07, 2E-06)*	5E-05	*(3E-05, 8E-05)*	1E-04	*(7E-05, 4E-04)*	3E-03	*(2E-04, 8E-03)*
THALLIUM	4E-06	*(2E-06, 7E-06)*	3E-04	*(1E-04, 6E-04)*	1E-03	*(5E-04, 2E-03)*	9E-03	*(7E-03, 1E-02)*
Hazard Index	2E-03	*(6E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(1E-02, 5E-02)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-04	*(4E-04, 1E-03)*	1E-02	*(9E-03, 2E-02)*	4E-02	*(2E-02, 5E-02)*	1E-01	*(8E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B284. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 5E-09)*	2E-07	*(8E-08, 4E-07)*	7E-07	*(3E-07, 8E-07)*	2E-06	*
ARSENIC	9E-11	*(3E-11, 1E-10)*	2E-09	*(8E-10, 9E-09)*	1E-08	*	*	*
Additive Risk	4E-09	*(3E-09, 7E-09)*	3E-07	*(9E-08, 5E-07)*	7E-07	*(3E-07, 9E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 4E-11)*	5E-10	*(3E-10, 6E-10)*	9E-10	*(6E-10, 1E-09)*	3E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*(4E-08, 6E-08)*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	1E-10	*(6E-11, 3E-10)*	5E-10	*(2E-10, 8E-10)*	2E-09	*
CADMIUM	9E-11	*(6E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 9E-09)*	3E-08	*(1E-08, 4E-08)*
CHROMIUM (VI)	4E-10	*(3E-10, 7E-10)*	1E-08	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(7E-10, 2E-09)*	4E-09	*(3E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 3E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	1E-07	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(9E-09, 7E-08)*	2E-04	*(4E-06, 6E-04)*	8E-04	*	*	*
ARSENIC	1E-06	*(6E-07, 2E-06)*	5E-05	*(1E-05, 1E-04)*	2E-04	*(5E-05, 3E-04)*	4E-04	*
BARIUM	8E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	4E-07	*(1E-07, 7E-07)*	2E-06	*(9E-07, 3E-06)*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	3E-07	*(2E-07, 9E-07)*	2E-06	*(4E-07, 6E-06)*	2E-05	*(4E-06, 3E-05)*
CADMIUM	5E-06	*(2E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	7E-04	*(3E-04, 9E-04)*	1E-03	*
CHROMIUM (III)	6E-10	*(3E-10, 9E-10)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(9E-08, 1E-07)*
CHROMIUM (VI)	1E-08	*(7E-09, 3E-08)*	1E-06	*(4E-07, 7E-06)*	8E-06	*	*	*
COBALT	2E-10	*(1E-10, 3E-10)*	4E-09	*(2E-09, 5E-09)*	7E-09	*(5E-09, 9E-09)*	2E-08	*(1E-08, 2E-08)*
MANGANESE	4E-09	*(2E-09, 7E-09)*	2E-07	*(4E-08, 4E-07)*	4E-07	*(1E-07, 5E-07)*	5E-07	*(3E-07, 8E-07)*
MERCURY (DIVALENT)	4E-07	*(1E-07, 8E-07)*	1E-05	*(6E-06, 3E-05)*	5E-05	*(1E-05, 9E-05)*	3E-04	*(7E-05, 5E-04)*
MERCURY (METHYL)	2E-05	*(5E-06, 7E-05)*	7E-03	*(1E-03, 2E-02)*	4E-02	*(7E-03, 7E-02)*	*	*
NICKEL	8E-09	*(3E-09, 1E-08)*	9E-07	*(3E-07, 2E-06)*	2E-06	*(7E-07, 3E-06)*	*	*
SELENIUM	2E-06	*(1E-06, 3E-06)*	9E-05	*(7E-05, 1E-04)*	3E-04	*(1E-04, 9E-04)*	3E-03	*
SILVER	9E-10	*(4E-10, 5E-09)*	2E-07	*(5E-08, 5E-07)*	5E-07	*(1E-07, 9E-07)*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	6E-05	*(2E-05, 1E-04)*	2E-04	*(9E-05, 7E-04)*	2E-03	*(8E-04, 2E-03)*
Hazard Index	2E-04	*(8E-05, 4E-04)*	9E-03	*(5E-03, 3E-02)*	4E-02	*(9E-03, 9E-02)*	5E-01	*(8E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	6E-04	*(5E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	1E-04	*(8E-05, 2E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(9E-03, 3E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B285. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(6E-09, 1E-08)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*	1E-06	*(9E-07, 1E-06)*
ARSENIC	9E-11	*(4E-11, 2E-10)*	6E-09	*(2E-09, 9E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	1E-08	*(7E-09, 2E-08)*	2E-07	*(2E-07, 4E-07)*	5E-07	*(4E-07, 8E-07)*	1E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(1E-11, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 8E-10)*	2E-09	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
BERYLLIUM	3E-12	*(2E-12, 5E-12)*	1E-10	*(5E-11, 3E-10)*	5E-10	*(1E-10, 7E-10)*	1E-09	*
CADMIUM	7E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 4E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*
Additive Risk	1E-09	*(8E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(5E-08, 4E-07)*	4E-04	*(6E-05, 9E-04)*	9E-04	*(5E-04, 3E-03)*	5E-03	*(1E-03, 6E-03)*
ARSENIC	2E-06	*(8E-07, 4E-06)*	8E-05	*(3E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	3E-08	*(1E-08, 4E-08)*	8E-07	*(5E-07, 1E-06)*	2E-06	*(9E-07, 4E-06)*	1E-05	*(7E-06, 2E-05)*
BERYLLIUM	5E-09	*(3E-09, 9E-09)*	2E-07	*(1E-07, 6E-07)*	1E-06	*(3E-07, 6E-06)*	1E-05	*(2E-06, 1E-05)*
CADMIUM	5E-06	*(3E-06, 8E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 7E-04)*	2E-03	*(1E-03, 3E-03)*
CHROMIUM (III)	7E-09	*(3E-09, 9E-09)*	2E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	1E-06	*(9E-07, 1E-06)*
CHROMIUM (VI)	1E-07	*(9E-08, 3E-07)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(9E-06, 2E-05)*	6E-05	*(2E-05, 7E-05)*
COBALT	3E-08	*(2E-08, 5E-08)*	5E-07	*(3E-07, 6E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*
MANGANESE	3E-08	*(1E-08, 4E-08)*	4E-07	*(3E-07, 5E-07)*	8E-07	*(6E-07, 9E-07)*	2E-06	*(1E-06, 2E-06)*
MERCURY (DIVALENT)	4E-05	*(2E-05, 9E-05)*	9E-04	*(6E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	5E-03	*(3E-03, 5E-03)*
MERCURY (METHYL)	3E-04	*(1E-04, 5E-04)*	5E-03	*(1E-03, 7E-03)*	8E-03	*(3E-03, 1E-02)*	*	*
NICKEL	8E-08	*(3E-08, 1E-07)*	3E-06	*(2E-06, 6E-06)*	9E-06	*(5E-06, 1E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	4E-06	*(2E-06, 7E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(6E-04, 2E-03)*
SILVER	7E-07	*(4E-07, 9E-07)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 2E-04)*	1E-03	*(8E-05, 4E-03)*
THALLIUM	2E-06	*(1E-06, 3E-06)*	1E-04	*(7E-05, 3E-04)*	5E-04	*(2E-04, 9E-04)*	4E-03	*(3E-03, 6E-03)*
Hazard Index	8E-04	*(3E-04, 1E-03)*	8E-03	*(5E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	7E-02	*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-04	*(1E-04, 5E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(9E-03, 2E-02)*	4E-02	*(3E-02, 4E-02)*
TCDD-TEQ	4E-04	*(2E-04, 7E-04)*	8E-03	*(5E-03, 1E-02)*	2E-02	*(1E-02, 3E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B286. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(1E-09, 4E-09)*	1E-07	*(6E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
ARSENIC	6E-11	*(2E-11, 9E-11)*	2E-09	*(5E-10, 7E-09)*	9E-09	*(2E-09, 1E-08)*	*	*
Additive Risk	3E-09	*(2E-09, 5E-09)*	2E-07	*(6E-08, 3E-07)*	5E-07	*(2E-07, 7E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 8E-10)*	2E-09	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
CADMIUM	6E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*(8E-09, 2E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 5E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(5E-09, 4E-08)*	1E-04	*(2E-06, 7E-04)*	8E-04	*	*	*
ARSENIC	9E-07	*(4E-07, 1E-06)*	3E-05	*(9E-06, 1E-04)*	1E-04	*(3E-05, 2E-04)*	*	*
BARIUM	4E-09	*(1E-09, 9E-09)*	7E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 3E-07)*	1E-06	*(6E-07, 1E-06)*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	2E-07	*(1E-07, 7E-07)*	1E-06	*(2E-07, 4E-06)*	1E-05	*(2E-06, 2E-05)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	2E-04	*(1E-04, 2E-04)*	5E-04	*(2E-04, 7E-04)*	9E-04	*
CHROMIUM (III)	3E-10	*(2E-10, 6E-10)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(4E-08, 7E-08)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	9E-07	*(2E-07, 4E-06)*	5E-06	*	*	*
COBALT	9E-10	*(4E-10, 1E-09)*	5E-08	*(9E-09, 9E-08)*	9E-08	*(4E-08, 1E-07)*	1E-07	*
MANGANESE	2E-09	*(1E-09, 4E-09)*	1E-07	*(2E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	3E-07	*
MERCURY (DIVALENT)	2E-07	*(8E-08, 4E-07)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 7E-05)*	2E-04	*(4E-05, 3E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(1E-03, 1E-02)*	3E-02	*(5E-03, 5E-02)*	2E-01	*
NICKEL	5E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	5E-10	*(2E-10, 3E-09)*	2E-07	*(4E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	*	*
THALLIUM	8E-07	*(4E-07, 1E-06)*	4E-05	*(1E-05, 8E-05)*	1E-04	*(6E-05, 7E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(5E-05, 2E-04)*	7E-03	*(3E-03, 2E-02)*	3E-02	*(7E-03, 6E-02)*	3E-01	*(5E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*(1E-04, 2E-04)*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	5E-03	*(3E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	7E-05	*(4E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*
MANGANESE	3E-05	*(3E-05, 5E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(5E-07, 2E-06)*	5E-05	*(4E-05, 7E-05)*	1E-04	*(7E-05, 1E-04)*	3E-04	*(2E-04, 4E-04)*
Hazard Index	6E-04	*(5E-04, 8E-04)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	4E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-05	*(4E-05, 1E-04)*	5E-03	*(1E-03, 7E-03)*	9E-03	*(6E-03, 2E-02)*	5E-02	*
TCDD-TEQ	1E-04	*(6E-05, 1E-04)*	6E-03	*(2E-03, 9E-03)*	2E-02	*(8E-03, 3E-02)*	7E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B287. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(7E-09, 2E-08)*	2E-07	*(1E-07, 4E-07)*	6E-07	*(4E-07, 8E-07)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	2E-10	*(8E-11, 4E-10)*	9E-09	*(3E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 4E-08)*
Additive Risk	1E-08	*(9E-09, 2E-08)*	3E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	2E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(2E-11, 4E-11)*	4E-10	*(3E-10, 6E-10)*	8E-10	*(6E-10, 1E-09)*	2E-09	*
ARSENIC	3E-10	*(7E-11, 6E-10)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
BERYLLIUM	4E-12	*(3E-12, 7E-12)*	2E-10	*(7E-11, 5E-10)*	7E-10	*(2E-10, 1E-09)*	2E-09	*
CADMIUM	1E-10	*(6E-11, 2E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*	3E-08	*
CHROMIUM (VI)	5E-10	*(3E-10, 8E-10)*	1E-08	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	4E-08	*
NICKEL	2E-11	*(9E-12, 3E-11)*	4E-10	*(3E-10, 7E-10)*	1E-09	*(6E-10, 2E-09)*	4E-09	*
Additive Risk	2E-09	*(1E-09, 3E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(4E-08, 3E-07)*	3E-04	*(6E-05, 9E-04)*	9E-04	*(4E-04, 2E-03)*	6E-03	*(1E-03, 7E-03)*
ARSENIC	2E-06	*(7E-07, 4E-06)*	9E-05	*(3E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*
BARIUM	1E-08	*(9E-09, 3E-08)*	4E-07	*(2E-07, 5E-07)*	1E-06	*(5E-07, 2E-06)*	9E-06	*(3E-06, 9E-06)*
BERYLLIUM	4E-09	*(2E-09, 9E-09)*	2E-07	*(9E-08, 4E-07)*	8E-07	*(2E-07, 4E-06)*	8E-06	*(1E-06, 9E-06)*
CADMIUM	6E-06	*(3E-06, 9E-06)*	2E-04	*(1E-04, 3E-04)*	5E-04	*(3E-04, 8E-04)*	2E-03	*(1E-03, 4E-03)*
CHROMIUM (III)	3E-09	*(2E-09, 6E-09)*	1E-07	*(8E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*	7E-07	*(5E-07, 9E-07)*
CHROMIUM (VI)	1E-07	*(6E-08, 2E-07)*	7E-06	*(2E-06, 1E-05)*	1E-05	*(7E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
COBALT	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(5E-07, 8E-07)*	1E-06	*(1E-06, 2E-06)*
MANGANESE	2E-08	*(1E-08, 3E-08)*	3E-07	*(2E-07, 4E-07)*	6E-07	*(4E-07, 7E-07)*	1E-06	*(1E-06, 1E-06)*
MERCURY (DIVALENT)	2E-05	*(1E-05, 6E-05)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(9E-04, 1E-03)*	3E-03	*(2E-03, 3E-03)*
MERCURY (METHYL)	3E-04	*(1E-04, 5E-04)*	4E-03	*(1E-03, 8E-03)*	8E-03	*(3E-03, 2E-02)*	*	*
NICKEL	5E-08	*(2E-08, 1E-07)*	2E-06	*(1E-06, 4E-06)*	7E-06	*(3E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*
SELENIUM	4E-06	*(2E-06, 8E-06)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 5E-04)*	2E-03	*(7E-04, 3E-03)*
SILVER	4E-07	*(2E-07, 5E-07)*	9E-06	*(6E-06, 1E-05)*	2E-05	*(1E-05, 9E-05)*	7E-04	*(3E-05, 1E-03)*
THALLIUM	2E-06	*(1E-06, 3E-06)*	1E-04	*(6E-05, 3E-04)*	5E-04	*(2E-04, 9E-04)*	4E-03	*(3E-03, 5E-03)*
Hazard Index	8E-04	*(3E-04, 1E-03)*	8E-03	*(5E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	8E-02	*(2E-02, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	9E-07	*(5E-07, 1E-06)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 9E-05)*	2E-04	*
CHLORINE (CL2)	3E-04	*(2E-04, 5E-04)*	6E-03	*(3E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	8E-05	*(5E-05, 1E-04)*	8E-04	*(6E-04, 1E-03)*	1E-03	*(1E-03, 2E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	3E-05	*(3E-05, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	1E-03	*(1E-03, 1E-03)*
MERCURY (ELEMENTAL)	1E-06	*(6E-07, 3E-06)*	6E-05	*(4E-05, 8E-05)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
Hazard Index	7E-04	*(5E-04, 1E-03)*	7E-03	*(4E-03, 1E-02)*	1E-02	*(8E-03, 2E-02)*	4E-02	*(3E-02, 5E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-04	*(1E-04, 3E-04)*	5E-03	*(3E-03, 8E-03)*	1E-02	*(7E-03, 1E-02)*	3E-02	*(2E-02, 3E-02)*
TCDD-TEQ	2E-04	*(1E-04, 4E-04)*	5E-03	*(3E-03, 8E-03)*	1E-02	*(8E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B288. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: All Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	5E-09	*(3E-09, 7E-09)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*
ARSENIC	9E-11	*(3E-11, 1E-10)*	4E-09	*(9E-10, 1E-08)*	1E-08	*(4E-09, 2E-08)*	3E-08	*
Additive Risk	6E-09	*(3E-09, 9E-09)*	3E-07	*(1E-07, 7E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*
Cancer - Inhalation								
TCDD-TEQ	2E-11	*(8E-12, 3E-11)*	3E-10	*(2E-10, 4E-10)*	6E-10	*(4E-10, 8E-10)*	2E-09	*
ARSENIC	2E-10	*(5E-11, 4E-10)*	6E-09	*(4E-09, 9E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*(2E-08, 4E-08)*
BERYLLIUM	3E-12	*(2E-12, 4E-12)*	9E-11	*(4E-11, 2E-10)*	3E-10	*(1E-10, 5E-10)*	1E-09	*
CADMIUM	6E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 2E-09)*	3E-09	*(2E-09, 6E-09)*	2E-08	*(8E-09, 2E-08)*
CHROMIUM (VI)	3E-10	*(2E-10, 5E-10)*	7E-09	*(4E-09, 8E-09)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
NICKEL	1E-11	*(6E-12, 2E-11)*	3E-10	*(2E-10, 4E-10)*	7E-10	*(4E-10, 1E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	1E-09	*(7E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	6E-08	*(6E-08, 8E-08)*
Non-Cancer - Ingestion								
ANTIMONY	9E-09	*(2E-09, 4E-08)*	1E-04	*(2E-06, 8E-04)*	9E-04	*	*	*
ARSENIC	9E-07	*(3E-07, 1E-06)*	3E-05	*(9E-06, 1E-04)*	1E-04	*	*	*
BARIUM	2E-09	*(8E-10, 5E-09)*	5E-08	*(2E-08, 6E-08)*	9E-08	*(5E-08, 1E-07)*	5E-07	*(2E-07, 7E-07)*
BERYLLIUM	7E-09	*(3E-09, 1E-08)*	1E-07	*(9E-08, 5E-07)*	9E-07	*(2E-07, 3E-06)*	1E-05	*(1E-06, 1E-05)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	2E-04	*(9E-05, 2E-04)*	5E-04	*(2E-04, 7E-04)*	1E-03	*
CHROMIUM (III)	1E-10	*(9E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	8E-09	*(6E-09, 9E-09)*	2E-08	*(2E-08, 3E-08)*
CHROMIUM (VI)	9E-09	*(4E-09, 1E-08)*	1E-06	*(1E-07, 5E-06)*	5E-06	*(9E-07, 9E-06)*	*	*
COBALT	6E-10	*(2E-10, 1E-09)*	5E-08	*(5E-09, 9E-08)*	9E-08	*(2E-08, 1E-07)*	1E-07	*
MANGANESE	1E-09	*(8E-10, 4E-09)*	1E-07	*(1E-08, 3E-07)*	3E-07	*(9E-08, 4E-07)*	4E-07	*
MERCURY (DIVALENT)	9E-08	*(4E-08, 2E-07)*	3E-06	*(1E-06, 7E-06)*	9E-06	*(3E-06, 3E-05)*	7E-05	*(1E-05, 1E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 5E-05)*	4E-03	*(9E-04, 1E-02)*	3E-02	*(5E-03, 5E-02)*	2E-01	*
NICKEL	4E-09	*(2E-09, 9E-09)*	6E-07	*(2E-07, 1E-06)*	1E-06	*(4E-07, 2E-06)*	*	*
SELENIUM	1E-06	*(9E-07, 2E-06)*	7E-05	*(5E-05, 9E-05)*	2E-04	*(9E-05, 7E-04)*	2E-03	*
SILVER	6E-10	*(1E-10, 4E-09)*	2E-07	*(4E-08, 5E-07)*	5E-07	*(1E-07, 7E-07)*	*	*
THALLIUM	8E-07	*(4E-07, 1E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(6E-05, 8E-04)*	1E-03	*(9E-04, 1E-03)*
Hazard Index	1E-04	*(5E-05, 3E-04)*	7E-03	*(3E-03, 2E-02)*	3E-02	*(7E-03, 6E-02)*	3E-01	*(5E-02, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-07	*(4E-07, 1E-06)*	1E-05	*(9E-06, 2E-05)*	4E-05	*(2E-05, 6E-05)*	1E-04	*(9E-05, 2E-04)*
CHLORINE (CL2)	2E-04	*(1E-04, 3E-04)*	4E-03	*(2E-03, 6E-03)*	8E-03	*(4E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	5E-05	*(3E-05, 7E-05)*	6E-04	*(4E-04, 8E-04)*	1E-03	*(7E-04, 1E-03)*	3E-03	*
MANGANESE	2E-05	*(2E-05, 3E-05)*	2E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 4E-04)*	7E-04	*(7E-04, 9E-04)*
MERCURY (ELEMENTAL)	8E-07	*(3E-07, 2E-06)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(5E-05, 1E-04)*	2E-04	*(2E-04, 3E-04)*
Hazard Index	4E-04	*(3E-04, 5E-04)*	4E-03	*(3E-03, 6E-03)*	9E-03	*(5E-03, 2E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(5E-05, 1E-04)*	6E-03	*(2E-03, 9E-03)*	1E-02	*(7E-03, 2E-02)*	6E-02	*
TCDD-TEQ	9E-05	*(6E-05, 1E-04)*	6E-03	*(2E-03, 9E-03)*	2E-02	*(8E-03, 3E-02)*	7E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B289. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(9E-08, 3E-07)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(2E-06, 4E-06)*	6E-06	*(4E-06, 8E-06)*
ARSENIC	8E-10	*(1E-10, 3E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*
Additive Risk	2E-07	*(1E-07, 4E-07)*	2E-06	*(2E-06, 4E-06)*	4E-06	*(2E-06, 4E-06)*	6E-06	*(4E-06, 8E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*
ARSENIC	7E-10	*(2E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(3E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 2E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 3E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	2E-10	*(9E-11, 4E-10)*	5E-09	*(4E-09, 6E-09)*	1E-08	*(1E-08, 2E-08)*	5E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	3E-09	*(2E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(6E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(2E-06, 2E-04)*	4E-03	*(1E-03, 6E-03)*	7E-03	*(2E-03, 9E-03)*	*	*
ARSENIC	2E-05	*(4E-06, 6E-05)*	4E-04	*(3E-04, 6E-04)*	9E-04	*(7E-04, 1E-03)*	4E-03	*(4E-03, 4E-03)*
BARIUM	9E-07	*(3E-07, 2E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 5E-05)*	1E-04	*(1E-04, 1E-04)*
BERYLLIUM	9E-08	*(4E-08, 1E-07)*	1E-06	*(8E-07, 5E-06)*	5E-06	*(1E-06, 2E-05)*	6E-05	*(2E-06, 7E-05)*
CADMIUM	3E-05	*(1E-05, 5E-05)*	9E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	*	*
CHROMIUM (III)	1E-07	*(7E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	5E-06	*(3E-06, 5E-06)*	*	*
CHROMIUM (VI)	3E-07	*(2E-07, 4E-07)*	4E-06	*(2E-06, 6E-06)*	9E-06	*(8E-06, 9E-06)*	6E-05	*(5E-05, 6E-05)*
COBALT	9E-07	*(4E-07, 1E-06)*	8E-06	*(7E-06, 9E-06)*	1E-05	*(9E-06, 1E-05)*	3E-05	*(3E-05, 3E-05)*
MANGANESE	9E-07	*(3E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*	9E-06	*(8E-06, 1E-05)*	2E-05	*(2E-05, 2E-05)*
MERCURY (DIVALENT)	9E-04	*(4E-04, 1E-03)*	8E-03	*(6E-03, 9E-03)*	1E-02	*(9E-03, 1E-02)*	*	*
MERCURY (METHYL)	3E-03	*(2E-03, 4E-03)*	*	*	*	*	*	*
NICKEL	1E-06	*(6E-07, 3E-06)*	5E-05	*(3E-05, 7E-05)*	2E-04	*(1E-04, 2E-04)*	4E-04	*(4E-04, 4E-04)*
SELENIUM	8E-05	*(3E-05, 1E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
SILVER	2E-05	*(9E-06, 4E-05)*	3E-04	*(2E-04, 6E-04)*	7E-04	*(4E-04, 8E-04)*	2E-03	*(2E-03, 2E-03)*
THALLIUM	1E-04	*(4E-05, 5E-04)*	9E-03	*(8E-03, 1E-02)*	3E-02	*(1E-02, 4E-02)*	2E-01	*(2E-01, 2E-01)*
Hazard Index	9E-03	*(6E-03, 2E-02)*	6E-02	*(4E-02, 6E-02)*	7E-02	*(6E-02, 7E-02)*	2E-01	*(2E-01, 2E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	8E-03	*(5E-03, 1E-02)*	1E-01	*(8E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*	3E-01	*(2E-01, 4E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B290. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(8E-09, 3E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*
ARSENIC	2E-10	*(6E-11, 1E-09)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*
Additive Risk	3E-08	*(1E-08, 4E-08)*	1E-07	*(9E-08, 3E-07)*	5E-07	*(1E-07, 5E-07)*	5E-07	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	3E-09	*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*
CADMIUM	1E-10	*(9E-11, 4E-10)*	6E-09	*(4E-09, 8E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(5E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(9E-11, 2E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(2E-08, 4E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	6E-07	*(2E-07, 9E-06)*	*	*	*	*	*	*
ARSENIC	7E-06	*(1E-06, 3E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(4E-04, 4E-04)*
BARIUM	1E-07	*(5E-08, 3E-07)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(3E-06, 6E-06)*	1E-05	*(1E-05, 2E-05)*
BERYLLIUM	1E-07	*(8E-08, 2E-07)*	1E-06	*(7E-07, 2E-05)*	2E-05	*(9E-07, 4E-05)*	6E-05	*(2E-06, 7E-05)*
CADMIUM	1E-05	*(4E-06, 3E-05)*	7E-04	*(5E-04, 7E-04)*	9E-04	*(9E-04, 1E-03)*	*	*
CHROMIUM (III)	9E-09	*(7E-09, 1E-08)*	1E-07	*(1E-07, 2E-07)*	4E-07	*(3E-07, 5E-07)*	7E-07	*(7E-07, 8E-07)*
CHROMIUM (VI)	2E-08	*(1E-08, 3E-08)*	8E-08	*(4E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(2E-07, 2E-07)*
COBALT	6E-09	*(3E-09, 9E-09)*	7E-08	*(6E-08, 8E-08)*	9E-08	*(9E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
MANGANESE	6E-08	*(3E-08, 2E-07)*	8E-07	*	*	*	*	*
MERCURY (DIVALENT)	1E-05	*(9E-06, 3E-05)*	2E-04	*(7E-05, 6E-04)*	6E-04	*(9E-05, 9E-04)*	*	*
MERCURY (METHYL)	9E-04	*(3E-04, 2E-03)*	4E-02	*(5E-03, 8E-02)*	9E-02	*	*	*
NICKEL	6E-08	*(2E-08, 4E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(3E-06, 3E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	5E-09	*(2E-09, 1E-08)*	2E-06	*	*	*	*	*
THALLIUM	2E-05	*(6E-06, 1E-04)*	9E-04	*(4E-04, 2E-03)*	4E-03	*(2E-03, 5E-03)*	*	*
Hazard Index	4E-03	*(1E-03, 6E-03)*	9E-02	*(1E-02, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-04	*(3E-04, 1E-03)*	6E-03	*(4E-03, 1E-02)*	1E-02	*(6E-03, 2E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B291. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-07	*(8E-08, 2E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*
ARSENIC	8E-10	*(1E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(3E-08, 4E-08)*	2E-07	*(1E-07, 2E-07)*
Additive Risk	2E-07	*(1E-07, 3E-07)*	2E-06	*(1E-06, 3E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(3E-06, 6E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(8E-11, 2E-10)*	2E-09	*(8E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*(3E-09, 4E-09)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*(2E-10, 8E-09)*
CADMIUM	2E-10	*(1E-10, 4E-10)*	6E-09	*(4E-09, 7E-09)*	2E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(9E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 6E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	9E-06	*(1E-06, 1E-04)*	2E-03	*(9E-04, 4E-03)*	5E-03	*(1E-03, 6E-03)*	*	*
ARSENIC	1E-05	*(3E-06, 4E-05)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*	3E-03	*(3E-03, 3E-03)*
BARIUM	4E-07	*(1E-07, 9E-07)*	1E-05	*(8E-06, 1E-05)*	2E-05	*(1E-05, 2E-05)*	6E-05	*(5E-05, 6E-05)*
BERYLLIUM	3E-08	*(2E-08, 7E-08)*	7E-07	*(3E-07, 2E-06)*	2E-06	*(5E-07, 8E-06)*	*	*
CADMIUM	2E-05	*(9E-06, 4E-05)*	6E-04	*(3E-04, 9E-04)*	1E-03	*(1E-03, 2E-03)*	9E-03	*(8E-03, 9E-03)*
CHROMIUM (III)	6E-08	*(4E-08, 9E-08)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(2E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*
CHROMIUM (VI)	1E-07	*(1E-07, 2E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(4E-06, 5E-06)*	3E-05	*(3E-05, 3E-05)*
COBALT	5E-07	*(2E-07, 8E-07)*	5E-06	*(4E-06, 6E-06)*	7E-06	*(6E-06, 9E-06)*	2E-05	*(2E-05, 2E-05)*
MANGANESE	5E-07	*(2E-07, 7E-07)*	4E-06	*(3E-06, 4E-06)*	5E-06	*(5E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
MERCURY (DIVALENT)	6E-04	*(2E-04, 9E-04)*	5E-03	*(3E-03, 6E-03)*	8E-03	*(5E-03, 9E-03)*	*	*
MERCURY (METHYL)	2E-03	*(1E-03, 3E-03)*	*	*	*	*	*	*
NICKEL	9E-07	*(3E-07, 1E-06)*	3E-05	*(2E-05, 4E-05)*	8E-05	*(6E-05, 1E-04)*	2E-04	*(2E-04, 2E-04)*
SELENIUM	5E-05	*(2E-05, 8E-05)*	9E-04	*(4E-04, 1E-03)*	2E-03	*(1E-03, 2E-03)*	7E-03	*(6E-03, 7E-03)*
SILVER	9E-06	*(5E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	8E-04	*(8E-04, 8E-04)*
THALLIUM	1E-04	*(2E-05, 3E-04)*	8E-03	*(6E-03, 9E-03)*	2E-02	*(1E-02, 3E-02)*	9E-02	*(9E-02, 1E-01)*
Hazard Index	6E-03	*(4E-03, 1E-02)*	4E-02	*(3E-02, 5E-02)*	5E-02	*(4E-02, 5E-02)*	1E-01	*(1E-01, 1E-01)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(3E-03, 9E-03)*	6E-02	*(4E-02, 9E-02)*	9E-02	*(6E-02, 1E-01)*	2E-01	*(1E-01, 2E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B292. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 5E-08)*	2E-07	*	*	*	*	*
ARSENIC	3E-10	*(4E-11, 1E-09)*	6E-09	*(4E-09, 7E-09)*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 5E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 6E-07)*	7E-07	*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(9E-11, 2E-10)*	2E-09	*(9E-10, 2E-09)*	2E-09	*(2E-09, 3E-09)*	3E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	2E-08	*(2E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	2E-11	*(1E-11, 3E-11)*	2E-10	*(8E-11, 2E-09)*	2E-09	*(1E-10, 4E-09)*	6E-09	*
CADMIUM	2E-10	*(1E-10, 5E-10)*	6E-09	*(5E-09, 9E-09)*	2E-08	*(1E-08, 3E-08)*	6E-08	*(6E-08, 7E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	7E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(3E-09, 7E-09)*	9E-09	*(9E-09, 9E-09)*
Additive Risk	3E-09	*(2E-09, 6E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(1E-07, 4E-06)*	*	*	*	*	*	*
ARSENIC	5E-06	*(7E-07, 2E-05)*	9E-05	*(8E-05, 1E-04)*	*	*	*	*
BARIUM	4E-08	*(1E-08, 1E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	4E-06	*(4E-06, 4E-06)*
BERYLLIUM	7E-08	*(3E-08, 9E-08)*	5E-07	*(2E-07, 8E-06)*	8E-06	*(3E-07, 3E-05)*	4E-05	*
CADMIUM	9E-06	*(3E-06, 3E-05)*	6E-04	*(5E-04, 7E-04)*	9E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	3E-09	*(1E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(7E-08, 1E-07)*	2E-07	*(2E-07, 2E-07)*
CHROMIUM (VI)	1E-08	*(6E-09, 2E-08)*	4E-08	*(2E-08, 8E-08)*	8E-08	*(3E-08, 9E-08)*	9E-08	*
COBALT	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	2E-08	*(2E-08, 3E-08)*	6E-08	*(5E-08, 6E-08)*
MANGANESE	2E-08	*(9E-09, 6E-08)*	3E-07	*(1E-07, 8E-07)*	7E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 9E-06)*	6E-05	*(2E-05, 1E-04)*	2E-04	*(3E-05, 3E-04)*	*	*
MERCURY (METHYL)	9E-04	*(3E-04, 2E-03)*	4E-02	*(4E-03, 8E-02)*	9E-02	*	*	*
NICKEL	3E-08	*(1E-08, 2E-07)*	8E-07	*(5E-07, 8E-07)*	9E-07	*(8E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
SELENIUM	2E-05	*(9E-06, 3E-05)*	3E-04	*(2E-04, 5E-04)*	6E-04	*(3E-04, 8E-04)*	*	*
SILVER	2E-09	*(9E-10, 9E-09)*	8E-07	*	*	*	*	*
THALLIUM	1E-05	*(5E-06, 1E-04)*	8E-04	*(4E-04, 1E-03)*	4E-03	*(2E-03, 4E-03)*	*	*
Hazard Index	3E-03	*(1E-03, 5E-03)*	9E-02	*(1E-02, 9E-02)*	9E-02	*(1E-02, 4E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	9E-04	*(3E-04, 1E-03)*	6E-03	*(4E-03, 9E-03)*	1E-02	*(6E-03, 2E-02)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B293. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	6E-08	*(4E-08, 1E-07)*	8E-07	*(6E-07, 9E-07)*	1E-06	*(8E-07, 1E-06)*	2E-06	*
ARSENIC	4E-10	*(9E-11, 1E-09)*	9E-09	*(6E-09, 1E-08)*	2E-08	*(1E-08, 2E-08)*	8E-08	*(7E-08, 8E-08)*
Additive Risk	7E-08	*(5E-08, 1E-07)*	8E-07	*(7E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	2E-06	*(2E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	1E-09	*(5E-10, 1E-09)*	1E-09	*(1E-09, 2E-09)*	2E-09	*(2E-09, 3E-09)*
ARSENIC	5E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	9E-12	*(7E-12, 2E-11)*	1E-10	*(5E-11, 9E-10)*	9E-10	*(8E-11, 3E-09)*	4E-09	*(1E-10, 5E-09)*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 5E-09)*	1E-08	*(7E-09, 1E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	8E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	2E-09	*(9E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 7E-08)*	9E-08	*(9E-08, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	5E-06	*(8E-07, 8E-05)*	1E-03	*(7E-04, 2E-03)*	2E-03	*(8E-04, 3E-03)*	*	*
ARSENIC	7E-06	*(1E-06, 2E-05)*	1E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(9E-04, 1E-03)*
BARIUM	2E-07	*(6E-08, 5E-07)*	5E-06	*(4E-06, 7E-06)*	9E-06	*(6E-06, 1E-05)*	3E-05	*(2E-05, 3E-05)*
BERYLLIUM	2E-08	*(9E-09, 3E-08)*	3E-07	*(1E-07, 8E-07)*	8E-07	*(3E-07, 4E-06)*	8E-06	*(5E-07, 1E-05)*
CADMIUM	1E-05	*(5E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	8E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	3E-08	*(1E-08, 4E-08)*	5E-07	*(3E-07, 6E-07)*	1E-06	*(7E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*
CHROMIUM (VI)	8E-08	*(7E-08, 9E-08)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(2E-06, 2E-06)*	9E-06	*(8E-06, 1E-05)*
COBALT	2E-07	*(1E-07, 4E-07)*	2E-06	*(2E-06, 2E-06)*	3E-06	*(3E-06, 4E-06)*	9E-06	*(8E-06, 9E-06)*
MANGANESE	2E-07	*(9E-08, 4E-07)*	2E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	7E-06	*(6E-06, 7E-06)*
MERCURY (DIVALENT)	3E-04	*(1E-04, 5E-04)*	2E-03	*(1E-03, 3E-03)*	4E-03	*(2E-03, 5E-03)*	7E-03	*(5E-03, 9E-03)*
MERCURY (METHYL)	1E-03	*(9E-04, 1E-03)*	*	*	*	*	*	*
NICKEL	5E-07	*(2E-07, 8E-07)*	1E-05	*(9E-06, 2E-05)*	5E-05	*(3E-05, 6E-05)*	1E-04	*(9E-05, 1E-04)*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	8E-04	*(6E-04, 1E-03)*	4E-03	*(3E-03, 4E-03)*
SILVER	5E-06	*(2E-06, 9E-06)*	8E-05	*(6E-05, 1E-04)*	2E-04	*(9E-05, 2E-04)*	4E-04	*(4E-04, 4E-04)*
THALLIUM	6E-05	*(1E-05, 1E-04)*	4E-03	*(2E-03, 4E-03)*	8E-03	*(6E-03, 1E-02)*	7E-02	*(6E-02, 7E-02)*
Hazard Index	3E-03	*(2E-03, 6E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 3E-02)*	8E-02	*(7E-02, 8E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	2E-03	*(9E-04, 3E-03)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(2E-02, 5E-02)*	7E-02	*(4E-02, 8E-02)*
TCDD-TEQ	2E-03	*(1E-03, 5E-03)*	3E-02	*(2E-02, 5E-02)*	5E-02	*(3E-02, 6E-02)*	8E-02	*(6E-02, 1E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B294. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(6E-09, 3E-08)*	1E-07	*	*	*	*	*
ARSENIC	2E-10	*(2E-11, 7E-10)*	4E-09	*(3E-09, 5E-09)*	7E-09	*(5E-09, 8E-09)*	1E-08	*(9E-09, 1E-08)*
Additive Risk	2E-08	*(7E-09, 3E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(1E-07, 5E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(6E-11, 1E-10)*	1E-09	*(6E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	2E-09	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(5E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	4E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(8E-09, 2E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(7E-11, 2E-10)*	1E-09	*(9E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	9E-08	*(9E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(7E-08, 3E-06)*	*	*	*	*	*	*
ARSENIC	4E-06	*(4E-07, 1E-05)*	8E-05	*(5E-05, 9E-05)*	*	*	*	*
BARIUM	2E-08	*(8E-09, 7E-08)*	4E-07	*(3E-07, 6E-07)*	7E-07	*(4E-07, 9E-07)*	2E-06	*(2E-06, 2E-06)*
BERYLLIUM	4E-08	*(2E-08, 6E-08)*	3E-07	*(1E-07, 9E-06)*	9E-06	*(2E-07, 2E-05)*	*	*
CADMIUM	7E-06	*(2E-06, 2E-05)*	4E-04	*(4E-04, 5E-04)*	6E-04	*(5E-04, 7E-04)*	*	*
CHROMIUM (III)	1E-09	*(9E-10, 2E-09)*	2E-08	*(1E-08, 2E-08)*	5E-08	*(4E-08, 6E-08)*	*	*
CHROMIUM (VI)	9E-09	*(3E-09, 1E-08)*	2E-08	*	*	*	*	*
COBALT	4E-09	*(1E-09, 9E-09)*	8E-08	*	*	*	*	*
MANGANESE	1E-08	*(5E-09, 3E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-06	*(1E-06, 5E-06)*	3E-05	*(9E-06, 8E-05)*	9E-05	*(1E-05, 1E-04)*	*	*
MERCURY (METHYL)	6E-04	*(2E-04, 1E-03)*	3E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	2E-08	*(7E-09, 1E-07)*	5E-07	*(3E-07, 5E-07)*	6E-07	*(5E-07, 6E-07)*	1E-06	*(1E-06, 1E-06)*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	9E-10	*(5E-10, 5E-09)*	5E-07	*	*	*	*	*
THALLIUM	1E-05	*(4E-06, 9E-05)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	2E-03	*(8E-04, 3E-03)*	6E-02	*(7E-03, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(3E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(9E-05, 1E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	4E-05	*(9E-06, 9E-05)*	2E-03	*(4E-04, 4E-03)*	4E-03	*(1E-03, 6E-03)*	7E-03	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	7E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 1E-05)*	2E-04	*(9E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*	5E-04	*(4E-04, 6E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	6E-04	*(1E-04, 9E-04)*	3E-03	*	*	*	*	*
TCDD-TEQ	8E-04	*(2E-04, 1E-03)*	5E-03	*(4E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B295. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(5E-08, 1E-07)*	9E-07	*(7E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	7E-10	*(1E-10, 2E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	9E-08	*(9E-08, 1E-07)*
Additive Risk	9E-08	*(6E-08, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	1E-10	*(7E-11, 2E-10)*	1E-09	*(8E-10, 2E-09)*	2E-09	*(1E-09, 3E-09)*	3E-09	*(2E-09, 4E-09)*
ARSENIC	8E-10	*(3E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(4E-08, 5E-08)*	1E-07	*(1E-07, 1E-07)*
BERYLLIUM	1E-11	*(1E-11, 3E-11)*	2E-10	*(7E-11, 1E-09)*	1E-09	*(1E-10, 4E-09)*	6E-09	*(2E-10, 7E-09)*
CADMIUM	2E-10	*(1E-10, 4E-10)*	6E-09	*(4E-09, 7E-09)*	1E-08	*(1E-08, 2E-08)*	6E-08	*(6E-08, 6E-08)*
CHROMIUM (VI)	2E-10	*(1E-10, 2E-10)*	2E-09	*(1E-09, 2E-09)*	4E-09	*(3E-09, 4E-09)*	1E-08	*(1E-08, 1E-08)*
NICKEL	6E-11	*(4E-11, 1E-10)*	2E-09	*(1E-09, 3E-09)*	6E-09	*(4E-09, 6E-09)*	8E-09	*(8E-09, 8E-09)*
Additive Risk	3E-09	*(2E-09, 5E-09)*	4E-08	*(3E-08, 5E-08)*	9E-08	*(6E-08, 1E-07)*	1E-07	*(1E-07, 1E-07)*
Non-Cancer - Ingestion								
ANTIMONY	4E-06	*(5E-07, 6E-05)*	1E-03	*(5E-04, 2E-03)*	2E-03	*(9E-04, 2E-03)*	*	*
ARSENIC	7E-06	*(1E-06, 2E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	9E-04	*(9E-04, 1E-03)*
BARIUM	1E-07	*(3E-08, 2E-07)*	2E-06	*(1E-06, 3E-06)*	5E-06	*(3E-06, 6E-06)*	1E-05	*(9E-06, 1E-05)*
BERYLLIUM	1E-08	*(7E-09, 3E-08)*	3E-07	*(1E-07, 8E-07)*	8E-07	*(2E-07, 3E-06)*	*	*
CADMIUM	1E-05	*(6E-06, 2E-05)*	3E-04	*(2E-04, 6E-04)*	9E-04	*(8E-04, 1E-03)*	5E-03	*(4E-03, 5E-03)*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	2E-07	*(2E-07, 3E-07)*	7E-07	*(4E-07, 8E-07)*	1E-06	*(1E-06, 1E-06)*
CHROMIUM (VI)	5E-08	*(4E-08, 7E-08)*	6E-07	*(3E-07, 8E-07)*	1E-06	*(9E-07, 1E-06)*	7E-06	*(6E-06, 8E-06)*
COBALT	1E-07	*(8E-08, 3E-07)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*	6E-06	*(5E-06, 6E-06)*
MANGANESE	2E-07	*(7E-08, 3E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	4E-06	*(4E-06, 4E-06)*
MERCURY (DIVALENT)	1E-04	*(8E-05, 3E-04)*	1E-03	*(1E-03, 2E-03)*	2E-03	*(2E-03, 3E-03)*	5E-03	*(4E-03, 6E-03)*
MERCURY (METHYL)	9E-04	*(9E-04, 1E-03)*	*	*	*	*	*	*
NICKEL	3E-07	*(1E-07, 6E-07)*	7E-06	*(6E-06, 9E-06)*	3E-05	*(2E-05, 4E-05)*	6E-05	*(6E-05, 6E-05)*
SELENIUM	3E-05	*(1E-05, 4E-05)*	5E-04	*(2E-04, 6E-04)*	9E-04	*(6E-04, 1E-03)*	4E-03	*(4E-03, 4E-03)*
SILVER	2E-06	*(1E-06, 4E-06)*	3E-05	*(2E-05, 6E-05)*	7E-05	*(4E-05, 8E-05)*	2E-04	*(2E-04, 2E-04)*
THALLIUM	5E-05	*(9E-06, 1E-04)*	3E-03	*(2E-03, 4E-03)*	8E-03	*(5E-03, 1E-02)*	6E-02	*(5E-02, 6E-02)*
Hazard Index	3E-03	*(2E-03, 5E-03)*	2E-02	*(1E-02, 2E-02)*	2E-02	*(2E-02, 2E-02)*	6E-02	*(6E-02, 7E-02)*
Non-Cancer - Inhalation								
BARIUM	6E-06	*(2E-06, 2E-05)*	8E-05	*(6E-05, 9E-05)*	1E-04	*(1E-04, 2E-04)*	3E-04	*(3E-04, 3E-04)*
CHLORINE (CL2)	3E-05	*(9E-06, 9E-05)*	1E-03	*(4E-04, 3E-03)*	4E-03	*(9E-04, 5E-03)*	7E-03	*(5E-03, 8E-03)*
HYDROGEN CHLORIDE (HCL)	3E-05	*(2E-05, 7E-05)*	8E-04	*(3E-04, 2E-03)*	2E-03	*(4E-04, 3E-03)*	4E-03	*(2E-03, 5E-03)*
MANGANESE	2E-04	*(1E-04, 3E-04)*	1E-03	*(1E-03, 1E-03)*	2E-03	*(1E-03, 2E-03)*	3E-03	*(3E-03, 3E-03)*
MERCURY (ELEMENTAL)	6E-06	*(4E-06, 2E-05)*	2E-04	*(1E-04, 2E-04)*	3E-04	*(2E-04, 4E-04)*	6E-04	*(5E-04, 7E-04)*
Hazard Index	5E-04	*(3E-04, 8E-04)*	4E-03	*(2E-03, 6E-03)*	7E-03	*(4E-03, 9E-03)*	1E-02	*(7E-03, 1E-02)*
Incremental Margin of Exposure								
TCDD: BREAST MILK	1E-03	*(9E-04, 2E-03)*	2E-02	*(1E-02, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*
TCDD-TEQ	1E-03	*(1E-03, 3E-03)*	2E-02	*(1E-02, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*(4E-02, 6E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B296. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Commercial Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(9E-09, 6E-08)*	2E-07	*(1E-07, 4E-07)*	5E-07	*(2E-07, 8E-07)*	*	*
ARSENIC	4E-10	*(4E-11, 1E-09)*	9E-09	*(5E-09, 1E-08)*	*	*	*	*
Additive Risk	5E-08	*(1E-08, 6E-08)*	2E-07	*(2E-07, 4E-07)*	5E-07	*(2E-07, 8E-07)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-11	*(6E-11, 1E-10)*	1E-09	*(6E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*	2E-09	*
ARSENIC	6E-10	*(2E-10, 1E-09)*	1E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 3E-08)*	8E-08	*(8E-08, 8E-08)*
BERYLLIUM	1E-11	*(8E-12, 2E-11)*	1E-10	*(5E-11, 1E-09)*	1E-09	*(8E-11, 3E-09)*	4E-09	*
CADMIUM	1E-10	*(7E-11, 3E-10)*	4E-09	*(3E-09, 6E-09)*	1E-08	*(8E-09, 2E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	1E-10	*(6E-11, 2E-10)*	1E-09	*(9E-10, 1E-09)*	3E-09	*(2E-09, 3E-09)*	9E-09	*(8E-09, 9E-09)*
NICKEL	4E-11	*(3E-11, 7E-11)*	1E-09	*(8E-10, 2E-09)*	4E-09	*(2E-09, 4E-09)*	6E-09	*(6E-09, 6E-09)*
Additive Risk	2E-09	*(1E-09, 4E-09)*	3E-08	*(2E-08, 3E-08)*	6E-08	*(4E-08, 6E-08)*	9E-08	*(9E-08, 9E-08)*
Non-Cancer - Ingestion								
ANTIMONY	1E-07	*(6E-08, 3E-06)*	*	*	*	*	*	*
ARSENIC	3E-06	*(4E-07, 1E-05)*	8E-05	*(5E-05, 9E-05)*	*	*	*	*
BARIUM	9E-09	*(4E-09, 4E-08)*	2E-07	*(1E-07, 2E-07)*	3E-07	*(2E-07, 4E-07)*	8E-07	*(8E-07, 9E-07)*
BERYLLIUM	3E-08	*(1E-08, 4E-08)*	2E-07	*(1E-07, 7E-06)*	6E-06	*(1E-07, 1E-05)*	*	*
CADMIUM	7E-06	*(2E-06, 2E-05)*	4E-04	*(3E-04, 5E-04)*	6E-04	*(5E-04, 6E-04)*	*	*
CHROMIUM (III)	7E-10	*(4E-10, 1E-09)*	9E-09	*(7E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(4E-08, 4E-08)*
CHROMIUM (VI)	7E-09	*(3E-09, 9E-09)*	2E-08	*	*	*	*	*
COBALT	3E-09	*(6E-10, 5E-09)*	8E-08	*	*	*	*	*
MANGANESE	9E-09	*(2E-09, 1E-08)*	2E-07	*	*	*	*	*
MERCURY (DIVALENT)	8E-07	*(5E-07, 2E-06)*	1E-05	*(4E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
MERCURY (METHYL)	6E-04	*(2E-04, 1E-03)*	3E-02	*(3E-03, 6E-02)*	6E-02	*	*	*
NICKEL	1E-08	*(7E-09, 1E-07)*	5E-07	*(2E-07, 6E-07)*	7E-07	*(4E-07, 7E-07)*	*	*
SELENIUM	1E-05	*(7E-06, 2E-05)*	2E-04	*(1E-04, 4E-04)*	4E-04	*(2E-04, 6E-04)*	*	*
SILVER	1E-09	*(2E-10, 6E-09)*	6E-07	*	*	*	*	*
THALLIUM	1E-05	*(2E-06, 9E-05)*	7E-04	*(2E-04, 1E-03)*	2E-03	*(2E-03, 3E-03)*	*	*
Hazard Index	2E-03	*(8E-04, 3E-03)*	6E-02	*(7E-03, 6E-02)*	6E-02	*(1E-02, 3E-01)*	3E-01	*
Non-Cancer - Inhalation								
BARIUM	4E-06	*(2E-06, 1E-05)*	5E-05	*(4E-05, 6E-05)*	7E-05	*(6E-05, 9E-05)*	2E-04	*(2E-04, 2E-04)*
CHLORINE (CL2)	2E-05	*(6E-06, 6E-05)*	1E-03	*(3E-04, 3E-03)*	3E-03	*(8E-04, 4E-03)*	5E-03	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(1E-05, 5E-05)*	5E-04	*(2E-04, 1E-03)*	1E-03	*(3E-04, 2E-03)*	3E-03	*
MANGANESE	2E-04	*(1E-04, 2E-04)*	7E-04	*(7E-04, 8E-04)*	1E-03	*(8E-04, 1E-03)*	2E-03	*(2E-03, 2E-03)*
MERCURY (ELEMENTAL)	4E-06	*(3E-06, 1E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 3E-04)*	3E-04	*(3E-04, 4E-04)*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(1E-03, 4E-03)*	4E-03	*(3E-03, 6E-03)*	8E-03	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(1E-04, 9E-04)*	4E-03	*	*	*	*	*
TCDD-TEQ	8E-04	*(2E-04, 1E-03)*	5E-03	*(4E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B297. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-08	*(5E-08, 1E-07)*	1E-06	*(5E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	4E-06	*(2E-06, 5E-06)*
ARSENIC	7E-10	*(4E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	1E-07	*(6E-08, 2E-07)*	1E-06	*(5E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(4E-11, 1E-10)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	2E-09	*
ARSENIC	1E-09	*(4E-10, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(9E-12, 7E-11)*	7E-10	*(3E-10, 1E-09)*	1E-09	*(6E-10, 1E-09)*	2E-09	*
CADMIUM	5E-10	*(3E-10, 8E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 6E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	6E-05	*(9E-06, 2E-04)*	3E-03	*(1E-03, 1E-02)*	9E-03	*	*	*
ARSENIC	1E-05	*(9E-06, 4E-05)*	6E-04	*(4E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	1E-03	*(9E-04, 1E-03)*
BARIUM	3E-07	*(2E-07, 7E-07)*	6E-06	*(3E-06, 2E-05)*	3E-05	*(5E-06, 5E-05)*	9E-05	*(4E-05, 1E-04)*
BERYLLIUM	2E-07	*(6E-08, 5E-07)*	1E-05	*(2E-06, 3E-05)*	2E-05	*(5E-06, 3E-05)*	4E-05	*
CADMIUM	9E-05	*(6E-05, 3E-04)*	1E-03	*(9E-04, 2E-03)*	3E-03	*(1E-03, 4E-03)*	*	*
CHROMIUM (III)	1E-07	*(9E-08, 2E-07)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(1E-06, 4E-06)*	6E-06	*(4E-06, 8E-06)*
CHROMIUM (VI)	8E-06	*(4E-06, 1E-05)*	8E-05	*(5E-05, 1E-04)*	1E-04	*(8E-05, 2E-04)*	3E-04	*
COBALT	2E-07	*(2E-07, 3E-07)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*	7E-06	*(5E-06, 8E-06)*
MANGANESE	3E-07	*(2E-07, 4E-07)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*	5E-06	*(4E-06, 6E-06)*
MERCURY (DIVALENT)	9E-04	*(7E-04, 1E-03)*	5E-03	*(3E-03, 7E-03)*	9E-03	*(5E-03, 1E-02)*	*	*
MERCURY (METHYL)	1E-03	*(1E-03, 2E-03)*	8E-03	*	*	*	*	*
NICKEL	3E-06	*(1E-06, 4E-06)*	4E-05	*(1E-05, 6E-05)*	8E-05	*(3E-05, 9E-05)*	*	*
SELENIUM	4E-05	*(2E-05, 8E-05)*	9E-04	*(3E-04, 2E-03)*	2E-03	*(6E-04, 4E-03)*	7E-03	*
SILVER	5E-06	*(3E-06, 9E-06)*	1E-04	*(5E-05, 2E-03)*	2E-03	*(9E-05, 8E-03)*	2E-02	*
THALLIUM	1E-05	*(5E-06, 3E-05)*	8E-04	*(2E-04, 2E-03)*	1E-03	*(4E-04, 5E-03)*	9E-03	*(9E-04, 1E-02)*
Hazard Index	5E-03	*(4E-03, 6E-03)*	3E-02	*(2E-02, 2E-01)*	2E-01	*(2E-02, 2E-01)*	2E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-03	*(2E-03, 8E-03)*	6E-02	*(2E-02, 9E-02)*	9E-02	*(5E-02, 1E-01)*	2E-01	*(1E-01, 3E-01)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B298. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*	*	*	*	*
Additive Risk	3E-08	*(8E-09, 1E-07)*	8E-07	*(4E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	6E-11	*(3E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	2E-11	*(6E-12, 5E-11)*	6E-10	*(2E-10, 8E-10)*	8E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	5E-10	*(3E-10, 8E-10)*	5E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	3E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(5E-11, 2E-10)*	1E-09	*(5E-10, 2E-09)*	2E-09	*(8E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(5E-09, 1E-08)*	4E-08	*(4E-08, 6E-08)*	7E-08	*(5E-08, 8E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-06	*(3E-07, 5E-05)*	2E-03	*	*	*	*	*
ARSENIC	6E-06	*(3E-06, 1E-05)*	4E-04	*(7E-05, 6E-04)*	6E-04	*(3E-04, 6E-04)*	7E-04	*
BARIUM	7E-08	*(4E-08, 9E-08)*	8E-07	*(4E-07, 3E-06)*	4E-06	*(7E-07, 8E-06)*	1E-05	*
BERYLLIUM	2E-07	*(5E-08, 4E-07)*	8E-06	*(1E-06, 2E-05)*	2E-05	*(4E-06, 3E-05)*	4E-05	*(1E-05, 5E-05)*
CADMIUM	4E-05	*(1E-05, 6E-05)*	9E-04	*(3E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	*	*
CHROMIUM (III)	1E-08	*(9E-09, 2E-08)*	1E-07	*(9E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	*	*
CHROMIUM (VI)	2E-07	*(6E-08, 1E-06)*	1E-05	*	*	*	*	*
COBALT	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	5E-08	*
MANGANESE	4E-08	*(1E-08, 9E-08)*	4E-07	*(1E-07, 5E-07)*	5E-07	*	*	*
MERCURY (DIVALENT)	3E-06	*(2E-06, 5E-06)*	6E-05	*(1E-05, 5E-04)*	4E-04	*(4E-05, 1E-03)*	2E-03	*(7E-05, 3E-03)*
MERCURY (METHYL)	1E-06	*(3E-07, 9E-05)*	2E-03	*(5E-04, 4E-02)*	3E-02	*(1E-03, 1E-01)*	*	*
NICKEL	2E-07	*(5E-08, 6E-07)*	3E-06	*(9E-07, 7E-06)*	5E-06	*(2E-06, 1E-05)*	2E-05	*
SELENIUM	9E-06	*(5E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	1E-09	*(4E-10, 4E-08)*	5E-07	*	*	*	*	*
THALLIUM	2E-06	*(1E-06, 3E-06)*	5E-05	*(1E-05, 8E-04)*	5E-04	*(4E-05, 1E-03)*	2E-03	*(6E-05, 2E-03)*
Hazard Index	6E-04	*(2E-04, 9E-04)*	1E-02	*(4E-03, 5E-02)*	4E-02	*(9E-03, 2E-01)*	5E-01	*(1E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 5E-03)*	3E-02	*(1E-02, 6E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B299. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	7E-08	*(4E-08, 1E-07)*	9E-07	*(4E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
ARSENIC	7E-10	*(3E-10, 2E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*(3E-08, 6E-08)*
Additive Risk	8E-08	*(4E-08, 1E-07)*	1E-06	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*	3E-06	*(2E-06, 4E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(5E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	3E-09	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	3E-11	*(1E-11, 8E-11)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
CADMIUM	6E-10	*(4E-10, 9E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(7E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(9E-10, 3E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	3E-05	*(7E-06, 1E-04)*	1E-03	*(7E-04, 7E-03)*	6E-03	*(9E-04, 9E-03)*	*	*
ARSENIC	1E-05	*(6E-06, 3E-05)*	4E-04	*(2E-04, 4E-04)*	5E-04	*(3E-04, 6E-04)*	9E-04	*
BARIUM	1E-07	*(9E-08, 3E-07)*	3E-06	*(1E-06, 1E-05)*	1E-05	*(2E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*
BERYLLIUM	9E-08	*(2E-08, 2E-07)*	5E-06	*(9E-07, 1E-05)*	1E-05	*(2E-06, 2E-05)*	2E-05	*(7E-06, 2E-05)*
CADMIUM	9E-05	*(4E-05, 2E-04)*	1E-03	*(7E-04, 1E-03)*	2E-03	*(1E-03, 3E-03)*	6E-03	*(2E-03, 9E-03)*
CHROMIUM (III)	8E-08	*(6E-08, 1E-07)*	8E-07	*(6E-07, 1E-06)*	1E-06	*(9E-07, 2E-06)*	3E-06	*(2E-06, 4E-06)*
CHROMIUM (VI)	4E-06	*(2E-06, 7E-06)*	4E-05	*(2E-05, 6E-05)*	8E-05	*(4E-05, 1E-04)*	2E-04	*
COBALT	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	4E-06	*(3E-06, 5E-06)*
MANGANESE	1E-07	*(1E-07, 2E-07)*	1E-06	*(9E-07, 1E-06)*	1E-06	*(1E-06, 2E-06)*	2E-06	*(2E-06, 3E-06)*
MERCURY (DIVALENT)	5E-04	*(4E-04, 7E-04)*	3E-03	*(1E-03, 4E-03)*	6E-03	*(3E-03, 7E-03)*	*	*
MERCURY (METHYL)	9E-04	*(9E-04, 1E-03)*	4E-03	*	*	*	*	*
NICKEL	1E-06	*(9E-07, 2E-06)*	2E-05	*(8E-06, 3E-05)*	4E-05	*(2E-05, 5E-05)*	7E-05	*(5E-05, 9E-05)*
SELENIUM	3E-05	*(2E-05, 6E-05)*	7E-04	*(2E-04, 1E-03)*	1E-03	*(4E-04, 3E-03)*	5E-03	*(1E-03, 6E-03)*
SILVER	3E-06	*(1E-06, 5E-06)*	7E-05	*(2E-05, 9E-04)*	8E-04	*(5E-05, 4E-03)*	9E-03	*(8E-05, 1E-02)*
THALLIUM	9E-06	*(3E-06, 2E-05)*	5E-04	*(1E-04, 1E-03)*	9E-04	*(2E-04, 3E-03)*	6E-03	*(6E-04, 7E-03)*
Hazard Index	3E-03	*(2E-03, 4E-03)*	2E-02	*(1E-02, 1E-01)*	1E-01	*(1E-02, 1E-01)*	1E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-03	*(1E-03, 4E-03)*	3E-02	*(1E-02, 5E-02)*	6E-02	*(3E-02, 8E-02)*	1E-01	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B300. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-08	*(7E-09, 1E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(9E-07, 3E-06)*	*	*
ARSENIC	1E-10	*(9E-11, 3E-10)*	*	*	*	*	*	*
Additive Risk	3E-08	*(1E-08, 2E-07)*	9E-07	*(6E-07, 2E-06)*	2E-06	*(1E-06, 3E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(8E-10, 2E-09)*	3E-09	*
ARSENIC	1E-09	*(5E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	2E-11	*(7E-12, 6E-11)*	7E-10	*(2E-10, 9E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(1E-09, 2E-09)*
CADMIUM	6E-10	*(4E-10, 1E-09)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 6E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	8E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	5E-09	*
Additive Risk	9E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 7E-08)*	8E-08	*(6E-08, 1E-07)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	7E-07	*(9E-08, 2E-05)*	8E-04	*	*	*	*	*
ARSENIC	3E-06	*(2E-06, 6E-06)*	3E-04	*(4E-05, 3E-04)*	3E-04	*(1E-04, 4E-04)*	4E-04	*
BARIUM	2E-08	*(1E-08, 3E-08)*	2E-07	*(9E-08, 7E-07)*	8E-07	*(2E-07, 2E-06)*	3E-06	*
BERYLLIUM	9E-08	*(2E-08, 2E-07)*	3E-06	*(5E-07, 1E-05)*	1E-05	*(1E-06, 2E-05)*	3E-05	*(5E-06, 3E-05)*
CADMIUM	3E-05	*(9E-06, 5E-05)*	8E-04	*(2E-04, 9E-04)*	9E-04	*	*	*
CHROMIUM (III)	3E-09	*(2E-09, 5E-09)*	3E-08	*(2E-08, 5E-08)*	6E-08	*(4E-08, 9E-08)*	*	*
CHROMIUM (VI)	9E-08	*(3E-08, 9E-07)*	*	*	*	*	*	*
COBALT	5E-10	*(3E-10, 7E-10)*	6E-09	*(4E-09, 7E-09)*	9E-09	*(7E-09, 9E-09)*	1E-08	*
MANGANESE	9E-09	*(4E-09, 4E-08)*	2E-07	*(7E-08, 2E-07)*	2E-07	*	*	*
MERCURY (DIVALENT)	8E-07	*(5E-07, 1E-06)*	1E-05	*(4E-06, 1E-04)*	9E-05	*(9E-06, 4E-04)*	6E-04	*(2E-05, 8E-04)*
MERCURY (METHYL)	4E-07	*(8E-08, 9E-05)*	2E-03	*(5E-04, 4E-02)*	3E-02	*(1E-03, 1E-01)*	*	*
NICKEL	1E-07	*(2E-08, 3E-07)*	2E-06	*	*	*	*	*
SELENIUM	9E-06	*(6E-06, 2E-05)*	2E-04	*(8E-05, 8E-04)*	8E-04	*	*	*
SILVER	5E-10	*(2E-10, 2E-08)*	3E-07	*	*	*	*	*
THALLIUM	1E-06	*(9E-07, 2E-06)*	5E-05	*(9E-06, 3E-04)*	2E-04	*	*	*
Hazard Index	4E-04	*(2E-04, 8E-04)*	9E-03	*(2E-03, 5E-02)*	4E-02	*(8E-03, 2E-01)*	5E-01	*(1E-02, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-04	*(2E-04, 5E-03)*	3E-02	*(1E-02, 5E-02)*	6E-02	*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B301. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(2E-08, 6E-08)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
ARSENIC	4E-10	*(2E-10, 9E-10)*	1E-08	*(7E-09, 1E-08)*	1E-08	*(1E-08, 2E-08)*	2E-08	*(1E-08, 3E-08)*
Additive Risk	4E-08	*(2E-08, 7E-08)*	5E-07	*(2E-07, 7E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 2E-06)*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(3E-11, 9E-11)*	5E-10	*(2E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	7E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(7E-12, 5E-11)*	5E-10	*(2E-10, 9E-10)*	9E-10	*(5E-10, 1E-09)*	1E-09	*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 4E-09)*	1E-08	*(9E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	5E-08	*
NICKEL	8E-11	*(4E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 7E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(3E-06, 7E-05)*	1E-03	*(4E-04, 4E-03)*	4E-03	*(7E-04, 5E-03)*	6E-03	*
ARSENIC	7E-06	*(3E-06, 1E-05)*	2E-04	*(9E-05, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	8E-08	*(4E-08, 1E-07)*	1E-06	*(7E-07, 5E-06)*	6E-06	*(9E-07, 1E-05)*	2E-05	*(9E-06, 3E-05)*
BERYLLIUM	4E-08	*(1E-08, 9E-08)*	3E-06	*(5E-07, 9E-06)*	9E-06	*(1E-06, 1E-05)*	1E-05	*(4E-06, 1E-05)*
CADMIUM	5E-05	*(2E-05, 1E-04)*	6E-04	*(3E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	3E-03	*
CHROMIUM (III)	3E-08	*(2E-08, 5E-08)*	4E-07	*(2E-07, 5E-07)*	7E-07	*(4E-07, 9E-07)*	*	*
CHROMIUM (VI)	2E-06	*(1E-06, 3E-06)*	2E-05	*(1E-05, 3E-05)*	4E-05	*(2E-05, 6E-05)*	8E-05	*
COBALT	8E-08	*(6E-08, 9E-08)*	8E-07	*(5E-07, 9E-07)*	1E-06	*(9E-07, 1E-06)*	2E-06	*
MANGANESE	9E-08	*(6E-08, 1E-07)*	5E-07	*(4E-07, 7E-07)*	9E-07	*(7E-07, 9E-07)*	1E-06	*
MERCURY (DIVALENT)	2E-04	*(1E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 3E-03)*	*	*
MERCURY (METHYL)	6E-04	*(4E-04, 7E-04)*	2E-03	*	*	*	*	*
NICKEL	9E-07	*(4E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	2E-05	*(9E-06, 2E-05)*	3E-05	*(3E-05, 4E-05)*
SELENIUM	1E-05	*(9E-06, 3E-05)*	3E-04	*(1E-04, 7E-04)*	7E-04	*(2E-04, 1E-03)*	3E-03	*(6E-04, 3E-03)*
SILVER	1E-06	*(8E-07, 2E-06)*	3E-05	*(1E-05, 5E-04)*	4E-04	*(2E-05, 2E-03)*	4E-03	*(4E-05, 5E-03)*
THALLIUM	4E-06	*(1E-06, 9E-06)*	2E-04	*(7E-05, 7E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*(3E-04, 4E-03)*
Hazard Index	1E-03	*(1E-03, 2E-03)*	9E-03	*(5E-03, 7E-02)*	7E-02	*(7E-03, 7E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-04	*(5E-04, 1E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*(3E-02, 6E-02)*
TCDD-TEQ	1E-03	*(7E-04, 2E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B302. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-08	*(6E-09, 9E-08)*	7E-07	*(4E-07, 1E-06)*	1E-06	*(8E-07, 2E-06)*	*	*
ARSENIC	1E-10	*(7E-11, 2E-10)*	9E-09	*(2E-09, 1E-08)*	1E-08	*	*	*
Additive Risk	2E-08	*(7E-09, 1E-07)*	8E-07	*(4E-07, 1E-06)*	2E-06	*(9E-07, 2E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 9E-11)*	5E-10	*(3E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(4E-12, 4E-11)*	4E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	3E-09	*(1E-09, 4E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-07	*(5E-08, 1E-05)*	8E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	2E-04	*	2E-04	*	*	*
BARIUM	1E-08	*(9E-09, 1E-08)*	1E-07	*(6E-08, 4E-07)*	6E-07	*(9E-08, 8E-07)*	2E-06	*
BERYLLIUM	5E-08	*(1E-08, 1E-07)*	2E-06	*(3E-07, 7E-06)*	6E-06	*(9E-07, 1E-05)*	*	*
CADMIUM	2E-05	*(7E-06, 4E-05)*	7E-04	*(2E-04, 8E-04)*	8E-04	*(7E-04, 9E-04)*	*	*
CHROMIUM (III)	2E-09	*(1E-09, 2E-09)*	2E-08	*(1E-08, 2E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
CHROMIUM (VI)	6E-08	*(2E-08, 6E-07)*	*	*	*	*	*	*
COBALT	1E-09	*(7E-10, 7E-09)*	5E-08	*	*	*	*	*
MANGANESE	6E-09	*(2E-09, 2E-08)*	*	*	*	*	*	*
MERCURY (DIVALENT)	4E-07	*(2E-07, 7E-07)*	8E-06	*(2E-06, 7E-05)*	6E-05	*(6E-06, 2E-04)*	3E-04	*(1E-05, 4E-04)*
MERCURY (METHYL)	2E-07	*(4E-08, 6E-05)*	1E-03	*(4E-04, 3E-02)*	2E-02	*(9E-04, 7E-02)*	*	*
NICKEL	8E-08	*(9E-09, 2E-07)*	1E-06	*	*	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	3E-10	*(1E-10, 1E-08)*	2E-07	*	*	*	*	*
THALLIUM	1E-06	*(7E-07, 2E-06)*	3E-05	*(7E-06, 2E-04)*	1E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 5E-04)*	6E-03	*(2E-03, 4E-02)*	3E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(2E-06, 5E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	2E-02	*(6E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 4E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	7E-05	*(5E-05, 9E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	1E-04	*(6E-05, 1E-04)*	2E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(7E-03, 3E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	4E-04	*(1E-04, 3E-03)*	2E-02	*(8E-03, 3E-02)*	3E-02	*(2E-02, 6E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B303. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-08	*(2E-08, 8E-08)*	6E-07	*(2E-07, 9E-07)*	9E-07	*(5E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
ARSENIC	7E-10	*(4E-10, 1E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	4E-08	*(3E-08, 5E-08)*
Additive Risk	5E-08	*(3E-08, 8E-08)*	6E-07	*(2E-07, 9E-07)*	1E-06	*(6E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
Cancer - Inhalation								
TCDD-TEQ	7E-11	*(4E-11, 1E-10)*	7E-10	*(4E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	3E-09	*
ARSENIC	1E-09	*(4E-10, 3E-09)*	2E-08	*(1E-08, 3E-08)*	4E-08	*(2E-08, 4E-08)*	5E-08	*
BERYLLIUM	3E-11	*(1E-11, 7E-11)*	8E-10	*(3E-10, 1E-09)*	1E-09	*(7E-10, 2E-09)*	2E-09	*
CADMIUM	5E-10	*(4E-10, 9E-10)*	6E-09	*(3E-09, 1E-08)*	1E-08	*(5E-09, 2E-08)*	3E-08	*
CHROMIUM (VI)	4E-09	*(2E-09, 5E-09)*	2E-08	*(1E-08, 3E-08)*	3E-08	*(2E-08, 4E-08)*	7E-08	*
NICKEL	1E-10	*(6E-11, 2E-10)*	1E-09	*(6E-10, 2E-09)*	2E-09	*(9E-10, 3E-09)*	4E-09	*
Additive Risk	8E-09	*(6E-09, 1E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*(5E-08, 9E-08)*	1E-07	*
Non-Cancer - Ingestion								
ANTIMONY	1E-05	*(2E-06, 7E-05)*	1E-03	*(3E-04, 4E-03)*	3E-03	*(7E-04, 6E-03)*	7E-03	*
ARSENIC	7E-06	*(4E-06, 1E-05)*	2E-04	*(1E-04, 3E-04)*	3E-04	*(2E-04, 3E-04)*	4E-04	*(3E-04, 5E-04)*
BARIUM	4E-08	*(2E-08, 8E-08)*	7E-07	*(3E-07, 2E-06)*	3E-06	*(5E-07, 7E-06)*	1E-05	*(4E-06, 1E-05)*
BERYLLIUM	4E-08	*(9E-09, 9E-08)*	2E-06	*(3E-07, 7E-06)*	6E-06	*(9E-07, 8E-06)*	1E-05	*(3E-06, 1E-05)*
CADMIUM	5E-05	*(2E-05, 1E-04)*	6E-04	*(4E-04, 9E-04)*	1E-03	*(6E-04, 1E-03)*	4E-03	*(1E-03, 5E-03)*
CHROMIUM (III)	2E-08	*(1E-08, 3E-08)*	2E-07	*(1E-07, 3E-07)*	4E-07	*(2E-07, 5E-07)*	*	*
CHROMIUM (VI)	1E-06	*(7E-07, 2E-06)*	2E-05	*(9E-06, 2E-05)*	2E-05	*(1E-05, 3E-05)*	5E-05	*(3E-05, 8E-05)*
COBALT	6E-08	*(4E-08, 8E-08)*	5E-07	*(3E-07, 6E-07)*	7E-07	*(6E-07, 9E-07)*	1E-06	*
MANGANESE	6E-08	*(5E-08, 1E-07)*	4E-07	*(3E-07, 5E-07)*	6E-07	*(5E-07, 7E-07)*	9E-07	*
MERCURY (DIVALENT)	1E-04	*(1E-04, 2E-04)*	9E-04	*(6E-04, 1E-03)*	1E-03	*(9E-04, 2E-03)*	3E-03	*
MERCURY (METHYL)	6E-04	*(4E-04, 7E-04)*	2E-03	*	*	*	*	*
NICKEL	6E-07	*(3E-07, 1E-06)*	9E-06	*(2E-06, 1E-05)*	1E-05	*(5E-06, 2E-05)*	*	*
SELENIUM	2E-05	*(9E-06, 3E-05)*	4E-04	*(1E-04, 7E-04)*	8E-04	*(3E-04, 2E-03)*	3E-03	*(7E-04, 3E-03)*
SILVER	6E-07	*(4E-07, 9E-07)*	1E-05	*(5E-06, 4E-04)*	3E-04	*(9E-06, 9E-04)*	2E-03	*
THALLIUM	4E-06	*(1E-06, 9E-06)*	2E-04	*(6E-05, 7E-04)*	6E-04	*(1E-04, 1E-03)*	3E-03	*
Hazard Index	1E-03	*(1E-03, 2E-03)*	9E-03	*(5E-03, 8E-02)*	8E-02	*(7E-03, 8E-02)*	8E-02	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 4E-06)*	3E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	2E-04	*
CHLORINE (CL2)	1E-03	*(6E-04, 2E-03)*	1E-02	*(7E-03, 2E-02)*	3E-02	*(1E-02, 4E-02)*	4E-02	*
HYDROGEN CHLORIDE (HCL)	3E-04	*(2E-04, 3E-04)*	1E-03	*(9E-04, 2E-03)*	2E-03	*(1E-03, 4E-03)*	5E-03	*
MANGANESE	6E-05	*(4E-05, 8E-05)*	4E-04	*(3E-04, 5E-04)*	5E-04	*(4E-04, 7E-04)*	9E-04	*
MERCURY (ELEMENTAL)	2E-05	*(1E-05, 2E-05)*	9E-05	*(6E-05, 1E-04)*	1E-04	*(1E-04, 2E-04)*	3E-04	*
Hazard Index	2E-03	*(1E-03, 3E-03)*	2E-02	*(8E-03, 2E-02)*	3E-02	*(2E-02, 4E-02)*	5E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	7E-04	*(4E-04, 1E-03)*	9E-03	*(4E-03, 1E-02)*	2E-02	*(9E-03, 2E-02)*	4E-02	*(2E-02, 5E-02)*
TCDD-TEQ	7E-04	*(4E-04, 1E-03)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	4E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B304. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Large Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-08	*(8E-09, 2E-07)*	1E-06	*(7E-07, 2E-06)*	2E-06	*(1E-06, 4E-06)*	*	*
ARSENIC	2E-10	*(1E-10, 4E-10)*	2E-08	*(3E-09, 2E-08)*	2E-08	*	3E-08	*
Additive Risk	4E-08	*(1E-08, 2E-07)*	2E-06	*(8E-07, 2E-06)*	2E-06	*(2E-06, 4E-06)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-11	*(2E-11, 9E-11)*	5E-10	*(3E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	2E-09	*
ARSENIC	9E-10	*(3E-10, 2E-09)*	1E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	4E-08	*
BERYLLIUM	2E-11	*(4E-12, 4E-11)*	4E-10	*(1E-10, 6E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*(8E-10, 1E-09)*
CADMIUM	4E-10	*(2E-10, 6E-10)*	4E-09	*(2E-09, 8E-09)*	8E-09	*(3E-09, 2E-08)*	2E-08	*
CHROMIUM (VI)	2E-09	*(1E-09, 4E-09)*	2E-08	*(9E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	5E-08	*
NICKEL	7E-11	*(4E-11, 1E-10)*	8E-10	*(4E-10, 1E-09)*	1E-09	*(6E-10, 2E-09)*	3E-09	*
Additive Risk	6E-09	*(4E-09, 8E-09)*	3E-08	*(3E-08, 4E-08)*	5E-08	*(4E-08, 6E-08)*	8E-08	*
Non-Cancer - Ingestion								
ANTIMONY	3E-07	*(3E-08, 1E-05)*	8E-04	*	*	*	*	*
ARSENIC	2E-06	*(1E-06, 4E-06)*	2E-04	*	*	*	*	*
BARIUM	9E-09	*(8E-09, 1E-08)*	5E-08	*(2E-08, 1E-07)*	2E-07	*(4E-08, 4E-07)*	7E-07	*
BERYLLIUM	4E-08	*(9E-09, 9E-08)*	1E-06	*(2E-07, 6E-06)*	6E-06	*(8E-07, 1E-05)*	*	*
CADMIUM	2E-05	*(7E-06, 4E-05)*	7E-04	*(2E-04, 8E-04)*	9E-04	*(7E-04, 1E-03)*	*	*
CHROMIUM (III)	9E-10	*(7E-10, 1E-09)*	8E-09	*(6E-09, 9E-09)*	1E-08	*(8E-09, 1E-08)*	*	*
CHROMIUM (VI)	5E-08	*(1E-08, 7E-07)*	4E-06	*	*	*	*	*
COBALT	9E-10	*(3E-10, 6E-09)*	6E-08	*	*	*	*	*
MANGANESE	3E-09	*(1E-09, 2E-08)*	1E-07	*	*	*	*	*
MERCURY (DIVALENT)	2E-07	*(1E-07, 3E-07)*	3E-06	*(9E-07, 3E-05)*	2E-05	*(2E-06, 8E-05)*	*	*
MERCURY (METHYL)	8E-08	*(1E-08, 6E-05)*	1E-03	*(4E-04, 3E-02)*	2E-02	*(9E-04, 7E-02)*	*	*
NICKEL	8E-08	*(7E-09, 2E-07)*	1E-06	*	*	*	*	*
SELENIUM	7E-06	*(4E-06, 1E-05)*	1E-04	*(6E-05, 7E-04)*	8E-04	*	*	*
SILVER	3E-10	*(8E-11, 1E-08)*	2E-07	*	*	*	*	*
THALLIUM	9E-07	*(7E-07, 1E-06)*	3E-05	*(7E-06, 3E-04)*	2E-04	*	*	*
Hazard Index	2E-04	*(1E-04, 5E-04)*	7E-03	*(2E-03, 4E-02)*	3E-02	*(5E-03, 1E-01)*	4E-01	*
Non-Cancer - Inhalation								
BARIUM	2E-06	*(1E-06, 3E-06)*	2E-05	*(8E-06, 6E-05)*	7E-05	*(2E-05, 1E-04)*	2E-04	*
CHLORINE (CL2)	7E-04	*(4E-04, 2E-03)*	1E-02	*(4E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	2E-04	*(1E-04, 2E-04)*	1E-03	*(6E-04, 1E-03)*	2E-03	*(9E-04, 3E-03)*	3E-03	*
MANGANESE	5E-05	*(3E-05, 6E-05)*	3E-04	*(2E-04, 4E-04)*	4E-04	*(3E-04, 5E-04)*	6E-04	*
MERCURY (ELEMENTAL)	1E-05	*(6E-06, 2E-05)*	7E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	2E-04	*
Hazard Index	1E-03	*(7E-04, 2E-03)*	1E-02	*(5E-03, 2E-02)*	2E-02	*(1E-02, 3E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	5E-04	*(1E-04, 3E-03)*	2E-02	*(1E-02, 4E-02)*	4E-02	*(3E-02, 7E-02)*	*	*
TCDD-TEQ	5E-04	*(2E-04, 4E-03)*	3E-02	*(2E-02, 4E-02)*	6E-02	*(3E-02, 7E-02)*	9E-02	*(6E-02, 9E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B305. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-09	*(5E-09, 1E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(1E-07, 6E-07)*	9E-07	*(5E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 2E-10)*	9E-10	*(7E-10, 2E-09)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	1E-08	*(6E-09, 2E-08)*	2E-07	*(7E-08, 3E-07)*	4E-07	*(2E-07, 6E-07)*	1E-06	*(6E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(4E-12, 2E-11)*	2E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	5E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(3E-09, 8E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 3E-11)*	3E-11	*(2E-11, 7E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 5E-11)*	3E-10	*(2E-10, 7E-10)*	9E-10	*(4E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 2E-10)*	3E-10	*
Additive Risk	5E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	6E-08	*(3E-08, 2E-07)*	4E-06	*(9E-07, 3E-05)*	2E-05	*(2E-06, 4E-05)*	*	*
ARSENIC	1E-06	*(3E-07, 4E-06)*	2E-05	*(1E-05, 5E-05)*	7E-05	*(2E-05, 9E-05)*	1E-04	*
BARIUM	3E-08	*(1E-08, 9E-08)*	8E-07	*(4E-07, 2E-06)*	2E-06	*(8E-07, 3E-06)*	6E-06	*
BERYLLIUM	9E-09	*(4E-09, 1E-08)*	1E-07	*(6E-08, 1E-07)*	2E-07	*(1E-07, 2E-07)*	5E-07	*(2E-07, 8E-07)*
CADMIUM	5E-06	*(2E-06, 8E-06)*	6E-05	*(4E-05, 9E-05)*	1E-04	*(7E-05, 2E-04)*	4E-04	*(2E-04, 6E-04)*
CHROMIUM (III)	6E-09	*(2E-09, 1E-08)*	2E-07	*(7E-08, 4E-07)*	5E-07	*(2E-07, 9E-07)*	1E-06	*(9E-07, 2E-06)*
CHROMIUM (VI)	2E-07	*(1E-07, 4E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(6E-06, 2E-05)*	3E-05	*
COBALT	4E-08	*(2E-08, 6E-08)*	5E-07	*(3E-07, 9E-07)*	1E-06	*(6E-07, 1E-06)*	3E-06	*(1E-06, 4E-06)*
MANGANESE	3E-08	*(2E-08, 5E-08)*	8E-07	*(3E-07, 9E-07)*	9E-07	*(4E-07, 1E-06)*	2E-06	*(1E-06, 3E-06)*
MERCURY (DIVALENT)	3E-05	*(1E-05, 8E-05)*	7E-04	*(2E-04, 2E-03)*	2E-03	*(4E-04, 4E-03)*	8E-03	*(2E-03, 1E-02)*
MERCURY (METHYL)	2E-04	*(4E-05, 4E-04)*	*	*	*	*	*	*
NICKEL	6E-08	*(3E-08, 1E-07)*	3E-06	*(6E-07, 6E-06)*	6E-06	*(1E-06, 1E-05)*	2E-05	*
SELENIUM	3E-06	*(1E-06, 8E-06)*	1E-04	*(4E-05, 2E-04)*	3E-04	*(1E-04, 5E-04)*	8E-04	*(4E-04, 9E-04)*
SILVER	1E-06	*(7E-07, 2E-06)*	3E-05	*(2E-05, 8E-05)*	1E-04	*(3E-05, 2E-04)*	3E-04	*(2E-04, 4E-04)*
THALLIUM	3E-06	*(1E-06, 7E-06)*	7E-05	*(2E-05, 1E-04)*	2E-04	*(5E-05, 5E-04)*	1E-03	*
Hazard Index	4E-04	*(2E-04, 1E-03)*	2E-02	*(3E-03, 2E-02)*	2E-02	*(6E-03, 2E-02)*	3E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	4E-04	*(2E-04, 8E-04)*	9E-03	*(3E-03, 1E-02)*	2E-02	*(8E-03, 3E-02)*	6E-02	*(2E-02, 7E-02)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B306. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (0-5) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(5E-10, 2E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	1E-11	*(8E-12, 1E-10)*	7E-10	*(2E-10, 8E-10)*	8E-10	*(5E-10, 1E-09)*	*	*
Additive Risk	2E-09	*(7E-10, 2E-09)*	2E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	7E-12	*(4E-12, 2E-11)*	1E-10	*(6E-11, 3E-10)*	3E-10	*(1E-10, 4E-10)*	7E-10	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(3E-09, 7E-09)*	1E-08	*
BERYLLIUM	2E-12	*(9E-13, 3E-12)*	2E-11	*(9E-12, 3E-11)*	3E-11	*(2E-11, 7E-11)*	2E-10	*
CADMIUM	3E-11	*(2E-11, 5E-11)*	3E-10	*(2E-10, 7E-10)*	8E-10	*(3E-10, 1E-09)*	1E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	2E-09	*(1E-09, 4E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(2E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 3E-10)*	3E-10	*
Additive Risk	5E-10	*(3E-10, 9E-10)*	6E-09	*(3E-09, 9E-09)*	1E-08	*(6E-09, 1E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	8E-09	*(3E-09, 2E-08)*	9E-07	*	*	*	*	*
ARSENIC	3E-07	*(1E-07, 3E-06)*	1E-05	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	5E-05	*(2E-05, 5E-05)*
BARIUM	4E-09	*(2E-09, 1E-08)*	1E-07	*(8E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	8E-07	*
BERYLLIUM	1E-08	*(7E-09, 2E-08)*	1E-07	*(7E-08, 1E-07)*	1E-07	*(9E-08, 2E-07)*	5E-07	*(2E-07, 7E-07)*
CADMIUM	1E-06	*(9E-07, 5E-06)*	2E-05	*(1E-05, 9E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	5E-10	*(2E-10, 9E-10)*	1E-08	*(6E-09, 3E-08)*	4E-08	*(1E-08, 7E-08)*	1E-07	*(6E-08, 2E-07)*
CHROMIUM (VI)	9E-09	*(7E-09, 3E-08)*	3E-07	*	*	*	*	*
COBALT	3E-10	*(1E-10, 5E-10)*	4E-09	*(3E-09, 6E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*(1E-08, 3E-08)*
MANGANESE	6E-09	*(2E-09, 1E-08)*	5E-08	*(2E-08, 4E-07)*	3E-07	*(3E-08, 7E-07)*	*	*
MERCURY (DIVALENT)	2E-07	*(9E-08, 1E-06)*	2E-05	*(7E-06, 5E-05)*	5E-05	*(1E-05, 2E-04)*	5E-04	*
MERCURY (METHYL)	1E-05	*(4E-06, 6E-05)*	6E-03	*(4E-04, 2E-02)*	2E-02	*(1E-03, 4E-02)*	*	*
NICKEL	4E-09	*(3E-09, 8E-09)*	1E-07	*	*	*	*	*
SELENIUM	9E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	2E-09	*(3E-10, 2E-08)*	8E-08	*	*	*	*	*
THALLIUM	5E-07	*(2E-07, 2E-06)*	2E-05	*(6E-06, 5E-05)*	6E-05	*(1E-05, 8E-05)*	*	*
Hazard Index	6E-05	*(2E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(2E-03, 5E-02)*	5E-01	*(9E-03, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 5E-07)*	4E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 7E-05)*	1E-04	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-05	*(2E-05, 9E-05)*	8E-04	*(3E-04, 9E-04)*	1E-03	*(8E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B307. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	8E-09	*(4E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(4E-07, 1E-06)*
ARSENIC	5E-11	*(1E-11, 1E-10)*	9E-10	*(6E-10, 2E-09)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	9E-09	*(5E-09, 2E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(1E-07, 5E-07)*	9E-07	*(5E-07, 1E-06)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
ARSENIC	6E-11	*(2E-11, 3E-10)*	4E-09	*(2E-09, 6E-09)*	7E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	1E-09	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	7E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 1E-11)*	8E-11	*(3E-11, 1E-10)*	2E-10	*(7E-11, 3E-10)*	4E-10	*
Additive Risk	6E-10	*(3E-10, 1E-09)*	8E-09	*(4E-09, 1E-08)*	1E-08	*(8E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	4E-08	*(1E-08, 1E-07)*	3E-06	*	*	*	*	*
ARSENIC	9E-07	*(2E-07, 3E-06)*	2E-05	*(9E-06, 3E-05)*	5E-05	*(2E-05, 8E-05)*	1E-04	*(6E-05, 2E-04)*
BARIUM	2E-08	*(8E-09, 5E-08)*	4E-07	*(2E-07, 8E-07)*	9E-07	*(4E-07, 1E-06)*	3E-06	*
BERYLLIUM	4E-09	*(2E-09, 8E-09)*	6E-08	*(2E-08, 7E-08)*	9E-08	*(6E-08, 1E-07)*	2E-07	*(1E-07, 3E-07)*
CADMIUM	3E-06	*(1E-06, 6E-06)*	4E-05	*(2E-05, 7E-05)*	9E-05	*(5E-05, 2E-04)*	*	*
CHROMIUM (III)	3E-09	*(1E-09, 7E-09)*	9E-08	*(3E-08, 2E-07)*	3E-07	*(9E-08, 5E-07)*	9E-07	*(4E-07, 1E-06)*
CHROMIUM (VI)	1E-07	*(8E-08, 2E-07)*	6E-06	*(1E-06, 9E-06)*	9E-06	*(3E-06, 1E-05)*	2E-05	*
COBALT	2E-08	*(1E-08, 4E-08)*	3E-07	*(2E-07, 5E-07)*	6E-07	*(3E-07, 9E-07)*	2E-06	*
MANGANESE	2E-08	*(1E-08, 3E-08)*	4E-07	*(1E-07, 5E-07)*	6E-07	*(2E-07, 7E-07)*	1E-06	*
MERCURY (DIVALENT)	2E-05	*(9E-06, 4E-05)*	4E-04	*(1E-04, 9E-04)*	1E-03	*(2E-04, 2E-03)*	4E-03	*(1E-03, 6E-03)*
MERCURY (METHYL)	1E-04	*(2E-05, 3E-04)*	9E-03	*	*	*	*	*
NICKEL	3E-08	*(1E-08, 6E-08)*	2E-06	*(3E-07, 3E-06)*	3E-06	*(9E-07, 6E-06)*	1E-05	*
SELENIUM	2E-06	*(9E-07, 6E-06)*	8E-05	*(3E-05, 2E-04)*	2E-04	*(9E-05, 3E-04)*	5E-04	*(3E-04, 6E-04)*
SILVER	7E-07	*(4E-07, 1E-06)*	1E-05	*(9E-06, 4E-05)*	6E-05	*(2E-05, 9E-05)*	2E-04	*
THALLIUM	2E-06	*(1E-06, 4E-06)*	5E-05	*(1E-05, 1E-04)*	1E-04	*(4E-05, 3E-04)*	9E-04	*(1E-04, 1E-03)*
Hazard Index	3E-04	*(1E-04, 8E-04)*	1E-02	*(2E-03, 2E-02)*	2E-02	*(5E-03, 2E-02)*	2E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	2E-04	*(1E-04, 5E-04)*	5E-03	*(2E-03, 9E-03)*	1E-02	*(4E-03, 2E-02)*	3E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B308. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (6-11) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	1E-09	*(6E-10, 2E-09)*	2E-08	*(8E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
ARSENIC	1E-11	*(7E-12, 9E-11)*	5E-10	*(2E-10, 7E-10)*	7E-10	*(3E-10, 2E-09)*	*	*
Additive Risk	2E-09	*(8E-10, 3E-09)*	2E-08	*(9E-09, 3E-08)*	3E-08	*(2E-08, 4E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	8E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(1E-10, 5E-10)*	8E-10	*
ARSENIC	4E-11	*(2E-11, 2E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(4E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	5E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 1E-11)*	8E-11	*(3E-11, 1E-10)*	2E-10	*(7E-11, 3E-10)*	4E-10	*
Additive Risk	5E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-09	*(9E-10, 1E-08)*	5E-07	*	*	*	*	*
ARSENIC	2E-07	*(1E-07, 1E-06)*	9E-06	*(4E-06, 1E-05)*	1E-05	*(7E-06, 3E-05)*	*	*
BARIUM	1E-09	*(6E-10, 4E-09)*	7E-08	*(3E-08, 9E-08)*	9E-08	*(6E-08, 1E-07)*	3E-07	*(1E-07, 4E-07)*
BERYLLIUM	5E-09	*(3E-09, 1E-08)*	6E-08	*(4E-08, 7E-08)*	8E-08	*(5E-08, 9E-08)*	2E-07	*(8E-08, 2E-07)*
CADMIUM	1E-06	*(8E-07, 4E-06)*	2E-05	*(1E-05, 8E-05)*	1E-04	*(2E-05, 2E-04)*	*	*
CHROMIUM (III)	1E-10	*(7E-11, 3E-10)*	4E-09	*(1E-09, 8E-09)*	9E-09	*(4E-09, 2E-08)*	4E-08	*(1E-08, 5E-08)*
CHROMIUM (VI)	6E-09	*(3E-09, 2E-08)*	2E-07	*(4E-08, 4E-06)*	3E-06	*(8E-08, 8E-06)*	*	*
COBALT	8E-11	*(4E-11, 1E-10)*	1E-09	*(8E-10, 1E-09)*	2E-09	*(1E-09, 3E-09)*	5E-09	*(3E-09, 8E-09)*
MANGANESE	2E-09	*(8E-10, 6E-09)*	1E-08	*	*	*	*	*
MERCURY (DIVALENT)	6E-08	*(2E-08, 3E-07)*	7E-06	*(1E-06, 1E-05)*	1E-05	*(4E-06, 5E-05)*	1E-04	*(9E-06, 3E-04)*
MERCURY (METHYL)	1E-05	*(4E-06, 6E-05)*	6E-03	*(4E-04, 2E-02)*	2E-02	*(1E-03, 4E-02)*	*	*
NICKEL	2E-09	*(1E-09, 5E-09)*	8E-08	*	*	*	*	*
SELENIUM	8E-07	*(3E-07, 1E-06)*	9E-06	*(6E-06, 6E-05)*	7E-05	*(9E-06, 9E-05)*	*	*
SILVER	9E-10	*(7E-11, 8E-09)*	5E-08	*	*	*	*	*
THALLIUM	4E-07	*(2E-07, 1E-06)*	1E-05	*(5E-06, 4E-05)*	5E-05	*(9E-06, 8E-05)*	*	*
Hazard Index	6E-05	*(2E-05, 2E-04)*	9E-03	*(7E-04, 2E-02)*	2E-02	*(2E-03, 5E-02)*	5E-01	*(9E-03, 5E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 5E-07)*	4E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 7E-05)*	1E-04	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	*	*	*	*	*	*	*	*
TCDD-TEQ	6E-05	*(2E-05, 8E-05)*	7E-04	*(3E-04, 9E-04)*	9E-04	*(7E-04, 1E-03)*	*	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B309. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	3E-09	*(2E-09, 7E-09)*	7E-08	*(2E-08, 1E-07)*	1E-07	*(6E-08, 2E-07)*	4E-07	*(1E-07, 5E-07)*
ARSENIC	2E-11	*(7E-12, 9E-11)*	5E-10	*(3E-10, 9E-10)*	1E-09	*(5E-10, 2E-09)*	3E-09	*(2E-09, 4E-09)*
Additive Risk	4E-09	*(3E-09, 7E-09)*	7E-08	*(3E-08, 1E-07)*	1E-07	*(7E-08, 2E-07)*	5E-07	*(2E-07, 5E-07)*
Cancer - Inhalation								
TCDD-TEQ	6E-12	*(3E-12, 1E-11)*	1E-10	*(5E-11, 2E-10)*	3E-10	*(1E-10, 4E-10)*	6E-10	*
ARSENIC	4E-11	*(1E-11, 2E-10)*	2E-09	*(1E-09, 4E-09)*	4E-09	*(2E-09, 6E-09)*	8E-09	*
BERYLLIUM	1E-12	*(7E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	3E-11	*(2E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 9E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(9E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 8E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 9E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	4E-10	*(2E-10, 7E-10)*	5E-09	*(3E-09, 7E-09)*	9E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-08	*(9E-09, 6E-08)*	1E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 1E-06)*	9E-06	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	6E-05	*(3E-05, 8E-05)*
BARIUM	8E-09	*(3E-09, 2E-08)*	2E-07	*(9E-08, 4E-07)*	6E-07	*(2E-07, 7E-07)*	1E-06	*(8E-07, 3E-06)*
BERYLLIUM	2E-09	*(9E-10, 4E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	1E-07	*(7E-08, 2E-07)*
CADMIUM	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(8E-05, 2E-04)*
CHROMIUM (III)	1E-09	*(6E-10, 3E-09)*	5E-08	*(1E-08, 9E-08)*	1E-07	*(5E-08, 2E-07)*	4E-07	*(2E-07, 6E-07)*
CHROMIUM (VI)	6E-08	*(3E-08, 1E-07)*	2E-06	*(7E-07, 6E-06)*	6E-06	*(1E-06, 7E-06)*	*	*
COBALT	1E-08	*(7E-09, 1E-08)*	1E-07	*(9E-08, 2E-07)*	3E-07	*(2E-07, 5E-07)*	7E-07	*
MANGANESE	9E-09	*(7E-09, 1E-08)*	2E-07	*(8E-08, 3E-07)*	3E-07	*(1E-07, 4E-07)*	5E-07	*(4E-07, 8E-07)*
MERCURY (DIVALENT)	9E-06	*(4E-06, 2E-05)*	2E-04	*(6E-05, 6E-04)*	7E-04	*(1E-04, 1E-03)*	2E-03	*(6E-04, 3E-03)*
MERCURY (METHYL)	9E-05	*(1E-05, 2E-04)*	5E-03	*	*	*	*	*
NICKEL	1E-08	*(8E-09, 3E-08)*	9E-07	*(1E-07, 2E-06)*	2E-06	*(4E-07, 3E-06)*	5E-06	*(9E-07, 7E-06)*
SELENIUM	1E-06	*(5E-07, 3E-06)*	4E-05	*(1E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*(2E-04, 3E-04)*
SILVER	3E-07	*(1E-07, 6E-07)*	7E-06	*(4E-06, 2E-05)*	2E-05	*(7E-06, 5E-05)*	7E-05	*
THALLIUM	1E-06	*(6E-07, 2E-06)*	2E-05	*(9E-06, 6E-05)*	7E-05	*(2E-05, 2E-04)*	4E-04	*(8E-05, 5E-04)*
Hazard Index	1E-04	*(6E-05, 4E-04)*	6E-03	*(1E-03, 8E-03)*	8E-03	*(2E-03, 8E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	9E-05	*(5E-05, 2E-04)*	2E-03	*(7E-04, 3E-03)*	4E-03	*(1E-03, 6E-03)*	1E-02	*
TCDD-TEQ	1E-04	*(6E-05, 2E-04)*	2E-03	*(9E-04, 5E-03)*	5E-03	*(2E-03, 8E-03)*	2E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B310. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Child (12-19) of Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	9E-10	*(5E-10, 1E-09)*	1E-08	*(6E-09, 2E-08)*	2E-08	*(1E-08, 3E-08)*	*	*
ARSENIC	9E-12	*(4E-12, 7E-11)*	3E-10	*(1E-10, 5E-10)*	5E-10	*(2E-10, 9E-10)*	*	*
Additive Risk	1E-09	*(6E-10, 2E-09)*	2E-08	*(7E-09, 2E-08)*	2E-08	*(2E-08, 3E-08)*	1E-07	*(2E-08, 2E-07)*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(8E-10, 4E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	1E-12	*(6E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	3E-11	*(1E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	4E-09	*(2E-09, 7E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 1E-10)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-09	*(6E-10, 8E-09)*	3E-07	*	*	*	*	*
ARSENIC	1E-07	*(8E-08, 1E-06)*	6E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	7E-10	*(3E-10, 2E-09)*	4E-08	*(1E-08, 5E-08)*	5E-08	*(3E-08, 6E-08)*	1E-07	*(6E-08, 2E-07)*
BERYLLIUM	3E-09	*(2E-09, 9E-09)*	4E-08	*(2E-08, 5E-08)*	5E-08	*(3E-08, 8E-08)*	9E-08	*(5E-08, 1E-07)*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	9E-11	*(3E-11, 1E-10)*	2E-09	*(9E-10, 4E-09)*	6E-09	*(2E-09, 9E-09)*	2E-08	*(9E-09, 3E-08)*
CHROMIUM (VI)	3E-09	*(2E-09, 1E-08)*	9E-08	*	*	*	*	*
COBALT	4E-10	*(1E-10, 1E-09)*	3E-09	*	*	*	*	*
MANGANESE	9E-10	*(4E-10, 3E-09)*	8E-09	*	*	*	*	*
MERCURY (DIVALENT)	3E-08	*(1E-08, 1E-07)*	4E-06	*(9E-07, 7E-06)*	7E-06	*(2E-06, 2E-05)*	5E-05	*(6E-06, 9E-05)*
MERCURY (METHYL)	1E-05	*(3E-06, 5E-05)*	4E-03	*(3E-04, 1E-02)*	1E-02	*(9E-04, 3E-02)*	*	*
NICKEL	1E-09	*(1E-09, 3E-09)*	5E-08	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	6E-10	*(4E-11, 5E-09)*	3E-08	*	*	*	*	*
THALLIUM	3E-07	*(1E-07, 1E-06)*	1E-05	*(3E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
Hazard Index	4E-05	*(1E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	3E-01	*(7E-03, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 2E-05)*	2E-05	*(7E-06, 3E-05)*	9E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 5E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(9E-08, 5E-07)*	4E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 7E-05)*	1E-04	*
Hazard Index	3E-04	*(2E-04, 5E-04)*	3E-03	*(2E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-05	*(1E-05, 4E-05)*	4E-04	*(2E-04, 6E-04)*	6E-04	*(4E-04, 8E-04)*	*	*
TCDD-TEQ	4E-05	*(2E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	8E-03	*(8E-04, 8E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B311. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Farmer with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	4E-09	*(2E-09, 7E-09)*	8E-08	*(3E-08, 1E-07)*	2E-07	*(7E-08, 3E-07)*	5E-07	*
ARSENIC	5E-11	*(1E-11, 2E-10)*	1E-09	*(7E-10, 2E-09)*	2E-09	*(1E-09, 4E-09)*	6E-09	*(3E-09, 8E-09)*
Additive Risk	5E-09	*(3E-09, 8E-09)*	8E-08	*(3E-08, 2E-07)*	2E-07	*(8E-08, 3E-07)*	5E-07	*(3E-07, 6E-07)*
Cancer - Inhalation								
TCDD-TEQ	9E-12	*(5E-12, 2E-11)*	2E-10	*(7E-11, 3E-10)*	4E-10	*(2E-10, 6E-10)*	9E-10	*
ARSENIC	5E-11	*(2E-11, 3E-10)*	3E-09	*(1E-09, 6E-09)*	6E-09	*(3E-09, 9E-09)*	1E-08	*
BERYLLIUM	2E-12	*(1E-12, 3E-12)*	2E-11	*(1E-11, 4E-11)*	4E-11	*(2E-11, 8E-11)*	2E-10	*
CADMIUM	4E-11	*(2E-11, 6E-11)*	4E-10	*(2E-10, 8E-10)*	9E-10	*(5E-10, 1E-09)*	2E-09	*
CHROMIUM (VI)	2E-10	*(1E-10, 3E-10)*	3E-09	*(1E-09, 5E-09)*	6E-09	*(2E-09, 1E-08)*	2E-08	*
NICKEL	5E-12	*(3E-12, 9E-12)*	7E-11	*(3E-11, 1E-10)*	1E-10	*(6E-11, 3E-10)*	4E-10	*
Additive Risk	6E-10	*(3E-10, 1E-09)*	7E-09	*(4E-09, 1E-08)*	1E-08	*(7E-09, 2E-08)*	3E-08	*
Non-Cancer - Ingestion								
ANTIMONY	1E-08	*(9E-09, 5E-08)*	1E-06	*	*	*	*	*
ARSENIC	5E-07	*(1E-07, 2E-06)*	9E-06	*(6E-06, 2E-05)*	2E-05	*(9E-06, 4E-05)*	5E-05	*(3E-05, 7E-05)*
BARIUM	4E-09	*(2E-09, 1E-08)*	1E-07	*(6E-08, 2E-07)*	3E-07	*(1E-07, 4E-07)*	6E-07	*(4E-07, 9E-07)*
BERYLLIUM	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(2E-08, 5E-08)*	8E-08	*(5E-08, 1E-07)*
CADMIUM	2E-06	*(9E-07, 3E-06)*	2E-05	*(1E-05, 4E-05)*	6E-05	*(3E-05, 9E-05)*	*	*
CHROMIUM (III)	8E-10	*(3E-10, 1E-09)*	3E-08	*(9E-09, 5E-08)*	7E-08	*(3E-08, 1E-07)*	2E-07	*(9E-08, 3E-07)*
CHROMIUM (VI)	3E-08	*(2E-08, 8E-08)*	1E-06	*(4E-07, 6E-06)*	5E-06	*(8E-07, 7E-06)*	*	*
COBALT	7E-09	*(5E-09, 1E-08)*	1E-07	*(6E-08, 2E-07)*	2E-07	*(1E-07, 3E-07)*	5E-07	*(3E-07, 7E-07)*
MANGANESE	8E-09	*(5E-09, 1E-08)*	1E-07	*(5E-08, 3E-07)*	3E-07	*(8E-08, 4E-07)*	4E-07	*(2E-07, 5E-07)*
MERCURY (DIVALENT)	7E-06	*(2E-06, 1E-05)*	1E-04	*(4E-05, 4E-04)*	4E-04	*(7E-05, 9E-04)*	1E-03	*(4E-04, 2E-03)*
MERCURY (METHYL)	9E-05	*(9E-06, 2E-04)*	4E-03	*	*	*	*	*
NICKEL	9E-09	*(5E-09, 2E-08)*	6E-07	*(9E-08, 2E-06)*	2E-06	*(3E-07, 2E-06)*	3E-06	*(6E-07, 4E-06)*
SELENIUM	1E-06	*(5E-07, 3E-06)*	5E-05	*(2E-05, 9E-05)*	1E-04	*(5E-05, 2E-04)*	3E-04	*
SILVER	1E-07	*(8E-08, 3E-07)*	3E-06	*(2E-06, 8E-06)*	1E-05	*(3E-06, 2E-05)*	3E-05	*(2E-05, 4E-05)*
THALLIUM	9E-07	*(5E-07, 2E-06)*	2E-05	*(9E-06, 5E-05)*	6E-05	*(1E-05, 2E-04)*	4E-04	*(7E-05, 5E-04)*
Hazard Index	1E-04	*(6E-05, 3E-04)*	7E-03	*(1E-03, 9E-03)*	9E-03	*(3E-03, 9E-03)*	1E-02	*
Non-Cancer - Inhalation								
BARIUM	3E-07	*(2E-07, 7E-07)*	9E-06	*(3E-06, 1E-05)*	2E-05	*(7E-06, 3E-05)*	8E-05	*
CHLORINE (CL2)	2E-04	*(1E-04, 4E-04)*	3E-03	*(1E-03, 6E-03)*	6E-03	*(3E-03, 1E-02)*	3E-02	*
HYDROGEN CHLORIDE (HCL)	3E-05	*(1E-05, 6E-05)*	5E-04	*(2E-04, 7E-04)*	9E-04	*(5E-04, 1E-03)*	2E-03	*
MANGANESE	2E-05	*(1E-05, 3E-05)*	1E-04	*(1E-04, 2E-04)*	2E-04	*(1E-04, 4E-04)*	6E-04	*
MERCURY (ELEMENTAL)	2E-07	*(1E-07, 6E-07)*	5E-06	*(2E-06, 2E-05)*	2E-05	*(3E-06, 8E-05)*	2E-04	*
Hazard Index	4E-04	*(2E-04, 5E-04)*	4E-03	*(2E-03, 7E-03)*	7E-03	*(3E-03, 1E-02)*	3E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	8E-05	*(3E-05, 1E-04)*	1E-03	*(5E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	9E-03	*(4E-03, 1E-02)*
TCDD-TEQ	8E-05	*(4E-05, 1E-04)*	2E-03	*(5E-04, 3E-03)*	3E-03	*(1E-03, 5E-03)*	1E-02	*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Table VI-B312. Individual Risks and Hazard Quotients Based on Unweighted Sector and Waterbody Results for Adult (20+) Subsistence Fisher with 90 Percent Confidence Intervals: Small Onsite Incinerators

Constituents	*Cumulative Distribution*							
	<0.50		<0.10		<0.05		<.01	
Cancer - Ingestion								
TCDD-TEQ	2E-09	*(9E-10, 3E-09)*	2E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
ARSENIC	1E-11	*(9E-12, 1E-10)*	8E-10	*(2E-10, 9E-10)*	9E-10	*(4E-10, 2E-09)*	*	*
Additive Risk	2E-09	*(9E-10, 3E-09)*	3E-08	*(1E-08, 4E-08)*	4E-08	*(3E-08, 6E-08)*	*	*
Cancer - Inhalation								
TCDD-TEQ	5E-12	*(3E-12, 1E-11)*	1E-10	*(4E-11, 2E-10)*	2E-10	*(9E-11, 3E-10)*	5E-10	*
ARSENIC	3E-11	*(1E-11, 1E-10)*	2E-09	*(7E-10, 4E-09)*	4E-09	*(2E-09, 5E-09)*	7E-09	*
BERYLLIUM	1E-12	*(6E-13, 2E-12)*	1E-11	*(7E-12, 2E-11)*	3E-11	*(1E-11, 5E-11)*	1E-10	*
CADMIUM	2E-11	*(1E-11, 4E-11)*	3E-10	*(1E-10, 5E-10)*	6E-10	*(3E-10, 8E-10)*	1E-09	*
CHROMIUM (VI)	1E-10	*(8E-11, 2E-10)*	2E-09	*(9E-10, 3E-09)*	3E-09	*(2E-09, 7E-09)*	1E-08	*
NICKEL	3E-12	*(2E-12, 6E-12)*	5E-11	*(2E-11, 1E-10)*	1E-10	*(4E-11, 2E-10)*	2E-10	*
Additive Risk	3E-10	*(2E-10, 6E-10)*	5E-09	*(3E-09, 6E-09)*	8E-09	*(5E-09, 1E-08)*	2E-08	*
Non-Cancer - Ingestion								
ANTIMONY	2E-09	*(3E-10, 8E-09)*	3E-07	*	*	*	*	*
ARSENIC	1E-07	*(9E-08, 1E-06)*	7E-06	*(2E-06, 9E-06)*	9E-06	*	*	*
BARIUM	3E-10	*(2E-10, 9E-10)*	3E-08	*(6E-09, 4E-08)*	4E-08	*(2E-08, 5E-08)*	6E-08	*
BERYLLIUM	2E-09	*(1E-09, 6E-09)*	3E-08	*(2E-08, 4E-08)*	5E-08	*(3E-08, 6E-08)*	9E-08	*
CADMIUM	9E-07	*(6E-07, 3E-06)*	1E-05	*	*	*	*	*
CHROMIUM (III)	4E-11	*(1E-11, 9E-11)*	9E-10	*(4E-10, 1E-09)*	2E-09	*(9E-10, 4E-09)*	8E-09	*(4E-09, 1E-08)*
CHROMIUM (VI)	3E-09	*(2E-09, 1E-08)*	1E-07	*	*	*	*	*
COBALT	3E-10	*(9E-11, 1E-09)*	3E-09	*	*	*	*	*
MANGANESE	8E-10	*(3E-10, 4E-09)*	8E-09	*	*	*	*	*
MERCURY (DIVALENT)	1E-08	*(6E-09, 9E-08)*	1E-06	*(4E-07, 4E-06)*	4E-06	*(9E-07, 9E-06)*	3E-05	*(2E-06, 6E-05)*
MERCURY (METHYL)	1E-05	*(3E-06, 5E-05)*	4E-03	*(3E-04, 1E-02)*	1E-02	*(9E-04, 3E-02)*	*	*
NICKEL	2E-09	*(1E-09, 2E-09)*	5E-08	*	*	*	*	*
SELENIUM	6E-07	*(2E-07, 9E-07)*	9E-06	*(4E-06, 4E-05)*	5E-05	*(8E-06, 9E-05)*	*	*
SILVER	7E-10	*(1E-11, 5E-09)*	3E-08	*	*	*	*	*
THALLIUM	3E-07	*(1E-07, 9E-07)*	1E-05	*(4E-06, 3E-05)*	4E-05	*(7E-06, 6E-05)*	*	*
Hazard Index	4E-05	*(1E-05, 1E-04)*	6E-03	*(5E-04, 1E-02)*	1E-02	*(2E-03, 4E-02)*	3E-01	*(7E-03, 3E-01)*
Non-Cancer - Inhalation								
BARIUM	2E-07	*(1E-07, 5E-07)*	6E-06	*(2E-06, 1E-05)*	1E-05	*(4E-06, 2E-05)*	6E-05	*
CHLORINE (CL2)	1E-04	*(7E-05, 2E-04)*	2E-03	*(9E-04, 4E-03)*	4E-03	*(2E-03, 8E-03)*	2E-02	*
HYDROGEN CHLORIDE (HCL)	2E-05	*(8E-06, 4E-05)*	3E-04	*(1E-04, 5E-04)*	6E-04	*(3E-04, 9E-04)*	1E-03	*
MANGANESE	1E-05	*(7E-06, 2E-05)*	9E-05	*(7E-05, 1E-04)*	1E-04	*(9E-05, 3E-04)*	4E-04	*
MERCURY (ELEMENTAL)	1E-07	*(6E-08, 4E-07)*	3E-06	*(1E-06, 1E-05)*	1E-05	*(2E-06, 5E-05)*	8E-05	*
Hazard Index	2E-04	*(1E-04, 3E-04)*	2E-03	*(1E-03, 4E-03)*	4E-03	*(2E-03, 8E-03)*	2E-02	*
Incremental Margin of Exposure								
TCDD: BREAST MILK	3E-05	*(1E-05, 5E-05)*	4E-04	*(2E-04, 7E-04)*	7E-04	*(5E-04, 9E-04)*	*	*
TCDD-TEQ	4E-05	*(2E-05, 6E-05)*	5E-04	*(2E-04, 8E-04)*	8E-04	*(5E-04, 1E-03)*	7E-03	*(8E-04, 7E-03)*

* Percentile and/or confidence level could not be estimated due to small sample size or an insufficient spread of modeled risk values.

All risk/HQ values <10 have been rounded to one significant digit
HBL = Health Benchmark Level = 1E-5 Carcinogens; 1E+0 Noncarcinogens

Section VII

Due to its size, this section is bound separately as Volume 2

Section VIII. Ecotoxicological Risk Results

This section contains results of the ecological risk screen for soil, surface water, and sediment. The different categories of results presented in this section are designed to provide information on the pattern of ecological exceedances across the modeled study areas (e.g., are exceedances for a particular constituent confined to a single study area, or are they distributed widely across a larger number of study areas). Because dioxin is included in all categories of results presented in this section, results are presented for waste heat boilers as a separate combustor category. Confidence intervals reflecting sampling error were not generated for the categories of results presented in this section.

Three categories of risk results are presented in this section:

- Tables VIII-A1 through VIII-A26: Cumulative frequency distributions of ecotoxicological HQs. This set of results provides information on the distribution of HQ values across a combustor category. Specifically, HQs associated with specific cumulative frequencies (or percentiles) of the aggregated surface area modeled for a given combustor category are identified. In presenting these risk results, emphasis is placed on characterizing central tendency and high-end HQ levels (i.e., cumulative frequencies presented include: >0.50, >0.10, >0.05, and >0.01). Results for soil, surface water, and sediment are presented in the same table.

- Tables VIII-B1 through VIII-B26: Area (km^2) within ecotoxicological HQ ranges. This set of results provides information on both the magnitude and spatial extent of the HQ exceedances. Specifically, the number of square kilometers associated with specific HQ exceedance ranges is presented.

- Tables VIII-C1 through VIII-C26: Frequency bins for the number of facilities with areas that exceed ecotoxicological HQ of 1. This set of results provides additional information on the spatial pattern of HQ exceedances. This information is useful in determining whether the potential for adverse ecotoxicological impacts, as identified by the HWC-screening ecological risk analysis (SERA), are likely to be restricted to a single facility within a combustor category or distributed across multiple facilities.

Results generated for these three categories are grouped within this section according to combustor category.

Table VIII-A1. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Cement Kilns

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	7E-3	4E-2	8E-2	2E-1	1E-3	1E-1	1E-1	2E-1	ND	ND	ND	ND
Antimony	1E-7	3E-6	4E-6	1E-5	5E-5	6E-4	6E-4	6E-4	2E-6	2E-5	2E-5	2E-5
Arsenic	6E-7	9E-6	2E-5	3E-5	9E-6	5E-5	7E-5	2E-3	3E-7	2E-6	2E-6	5E-5
Barium	1E-5	2E-4	3E-4	9E-4	2E-4	1E-3	1E-3	2E-2	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	9E-6	9E-5	9E-5	8E-4	ND	ND	ND	ND
Cadmium	5E-4	2E-3	4E-3	1E-2	2E-4	1E-2	1E-2	3E-2	5E-5	3E-3	3E-3	8E-3
Chromium III	1E-5	7E-5	1E-4	3E-4	6E-7	7E-6	2E-5	3E-5	9E-5	2E-4	6E-4	7E-4
Chromium VI	3E-8	1E-7	2E-7	4E-7	1E-4	6E-4	6E-4	6E-4	7E-8	4E-7	4E-7	4E-7
Cobalt	ND	ND	ND	ND	6E-5	1E-4	1E-4	4E-4	ND	ND	ND	ND
Copper	2E-6	7E-6	1E-5	3E-5	8E-4	5E-3	5E-3	2E-2	9E-7	6E-6	6E-6	2E-5
Lead	9E-4	6E-3	2E-2	4E-2	5E-4	5E-2	5E-2	5E-1	5E-4	1E-2	1E-2	5E-2
Manganese	2E-7	6E-7	9E-7	2E-6	6E-6	2E-5	3E-5	9E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	8E-3	2E-1	3E-1	5E-1	ND	ND	ND	ND
Mercury (total)	4E-2	2E-1	2E-1	5E-1	4E-2	***1E+0***	***1E+0***	***2E+0***	1E-2	3E-1	3E-1	5E-1
Nickel	7E-7	4E-6	9E-6	2E-5	3E-4	1E-3	2E-3	4E-3	8E-7	3E-6	5E-6	1E-5
Selenium	5E-6	2E-4	3E-4	7E-4	2E-3	3E-2	3E-2	2E-1	ND	ND	ND	ND
Silver	ND	ND	ND	ND	6E-4	1E-3	2E-3	1E-2	1E-7	2E-7	5E-7	3E-6

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	7E-3	3E-2	4E-2	1E-1	1E-3	7E-2	7E-2	9E-2	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	8E-6	4E-5	4E-4	4E-4	5E-4	1E-6	1E-5	1E-5	2E-5
Arsenic	6E-7	5E-6	8E-6	2E-5	9E-6	5E-5	5E-5	1E-3	3E-7	2E-6	2E-6	4E-5
Barium	8E-6	1E-4	3E-4	9E-4	2E-4	3E-4	8E-4	2E-2	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	9E-6	9E-5	9E-5	8E-4	ND	ND	ND	ND
Cadmium	2E-4	6E-4	1E-3	2E-3	2E-4	7E-3	7E-3	7E-3	5E-5	2E-3	2E-3	2E-3
Chromium III	1E-5	5E-5	9E-5	2E-4	8E-7	1E-5	1E-5	3E-5	9E-5	2E-4	4E-4	7E-4
Chromium VI	3E-8	1E-7	2E-7	4E-7	1E-4	6E-4	6E-4	6E-4	7E-8	4E-7	4E-7	4E-7
Cobalt	ND	ND	ND	ND	4E-5	1E-4	1E-4	3E-4	ND	ND	ND	ND
Copper	1E-6	5E-6	1E-5	2E-5	8E-4	3E-3	4E-3	1E-2	9E-7	4E-6	5E-6	2E-5
Lead	4E-4	1E-3	2E-3	5E-3	5E-4	2E-2	2E-2	7E-2	6E-4	4E-3	4E-3	2E-2
Manganese	1E-7	5E-7	8E-7	2E-6	6E-6	2E-5	3E-5	8E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	8E-3	2E-1	2E-1	4E-1	ND	ND	ND	ND
Mercury (total)	4E-2	1E-1	2E-1	3E-1	4E-2	***1E+0***	***1E+0***	***1E+0***	1E-2	3E-1	3E-1	4E-1
Nickel	6E-7	4E-6	7E-6	2E-5	3E-4	8E-4	2E-3	3E-3	8E-7	2E-6	5E-6	9E-6
Selenium	5E-6	2E-4	3E-4	7E-4	2E-3	3E-2	3E-2	2E-1	ND	ND	ND	ND
Silver	ND	ND	ND	ND	6E-4	9E-4	1E-3	2E-2	1E-7	2E-7	2E-7	5E-6

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A2. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Area Source Cement Kilns

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	8E-4	1E-2	3E-2	9E-2	5E-4	1E-3	6E-3	4E-2	ND	ND	ND	ND
Antimony	1E-7	4E-7	5E-7	1E-6	1E-5	1E-5	8E-5	8E-5	4E-7	4E-7	2E-6	2E-6
Arsenic	2E-7	1E-6	3E-6	9E-6	6E-7	8E-6	2E-5	4E-5	2E-8	3E-7	7E-7	1E-6
Barium	2E-6	9E-6	1E-5	5E-5	1E-5	6E-5	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	3E-5	4E-5	4E-5	ND	ND	ND	ND
Cadmium	9E-6	2E-3	4E-3	2E-2	3E-6	4E-5	5E-3	9E-3	8E-7	1E-5	1E-3	2E-3
Chromium III	4E-6	7E-5	1E-4	6E-4	3E-8	2E-7	6E-7	1E-5	7E-6	8E-6	9E-5	4E-4
Chromium VI	3E-8	8E-8	1E-7	3E-7	2E-5	2E-5	1E-4	1E-4	2E-8	2E-8	8E-8	8E-8
Cobalt	ND	ND	ND	ND	3E-5	3E-5	6E-5	6E-5	ND	ND	ND	ND
Copper	7E-7	3E-6	5E-6	2E-5	6E-4	1E-3	2E-3	2E-3	7E-7	1E-6	3E-6	3E-6
Lead	3E-5	1E-3	3E-3	1E-2	2E-5	1E-4	5E-4	2E-2	4E-5	5E-5	5E-4	5E-3
Manganese	2E-8	3E-7	3E-7	1E-6	7E-8	1E-6	4E-6	8E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2E-1	2E-1	3E-1	3E-1	ND	ND	ND	ND
Mercury (total)	2E-1	3E-1	3E-1	7E-1	***1E+0***	***1E+0***	***1E+0***	***1E+0***	3E-1	3E-1	3E-1	3E-1
Nickel	5E-7	6E-6	9E-6	2E-5	2E-5	3E-4	9E-4	2E-3	6E-8	8E-7	2E-6	4E-6
Selenium	1E-6	6E-6	9E-6	3E-5	9E-4	1E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	4E-5	6E-4	7E-3	1E-2	8E-9	1E-7	1E-6	3E-6

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	8E-4	1E-2	3E-2	9E-2	5E-4	1E-3	6E-3	4E-2	ND	ND	ND	ND
Antimony	1E-7	4E-7	5E-7	1E-6	1E-5	1E-5	8E-5	8E-5	4E-7	4E-7	2E-6	2E-6
Arsenic	2E-7	8E-7	2E-6	6E-6	6E-7	1E-5	2E-5	3E-5	2E-8	5E-7	5E-7	8E-7
Barium	2E-6	9E-6	1E-5	5E-5	1E-5	6E-5	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	2E-5	3E-5	4E-5	ND	ND	ND	ND
Cadmium	9E-6	7E-4	1E-3	5E-3	3E-6	4E-5	2E-3	3E-3	8E-7	1E-5	4E-4	7E-4
Chromium III	4E-6	7E-5	1E-4	4E-4	3E-8	2E-7	6E-7	9E-6	7E-6	8E-6	9E-5	3E-4
Chromium VI	2E-8	8E-8	1E-7	3E-7	2E-5	2E-5	1E-4	1E-4	1E-8	1E-8	8E-8	8E-8
Cobalt	ND	ND	ND	ND	3E-5	3E-5	6E-5	6E-5	ND	ND	ND	ND
Copper	7E-7	3E-6	5E-6	2E-5	6E-4	1E-3	2E-3	2E-3	7E-7	1E-6	3E-6	3E-6
Lead	3E-5	5E-4	9E-4	3E-3	2E-5	1E-4	5E-4	5E-3	4E-5	5E-5	5E-4	2E-3
Manganese	2E-8	3E-7	3E-7	1E-6	7E-8	1E-6	4E-6	8E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2E-1	2E-1	2E-1	2E-1	ND	ND	ND	ND
Mercury (total)	1E-1	3E-1	3E-1	6E-1	1E+0	1E+0	***1E+0***	***1E+0***	3E-1	3E-1	3E-1	3E-1
Nickel	5E-7	6E-6	9E-6	2E-5	2E-5	3E-4	9E-4	2E-3	6E-8	8E-7	2E-6	4E-6
Selenium	1E-6	6E-6	9E-6	3E-5	9E-4	1E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	4E-5	6E-4	7E-3	1E-2	8E-9	1E-7	1E-6	3E-6

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A3. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Lightweight Aggregate Kilns

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	1E-2	4E-2	8E-2	2E-1	1E-2	5E-2	7E-2	8E-2	ND	ND	ND	ND
Antimony	4E-8	6E-7	1E-6	5E-6	4E-6	3E-5	4E-5	3E-4	1E-7	9E-7	1E-6	8E-6
Arsenic	8E-7	4E-6	7E-6	2E-5	3E-6	1E-4	1E-4	1E-4	1E-7	4E-6	4E-6	4E-6
Barium	1E-6	9E-6	2E-5	6E-5	1E-6	1E-4	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	7E-7	2E-5	7E-5	7E-5	ND	ND	ND	ND
Cadmium	6E-5	5E-4	9E-4	3E-3	2E-5	8E-4	1E-3	1E-3	4E-6	2E-4	3E-4	3E-4
Chromium III	7E-6	6E-5	1E-4	4E-4	4E-7	4E-6	4E-6	4E-6	6E-5	2E-4	2E-4	2E-4
Chromium VI	1E-8	9E-8	2E-7	5E-7	4E-6	5E-5	1E-4	3E-4	3E-9	3E-8	1E-7	2E-7
Cobalt	ND	ND	ND	ND	3E-6	2E-5	3E-5	4E-5	ND	ND	ND	ND
Copper	4E-7	2E-6	3E-6	7E-6	1E-4	8E-4	9E-4	1E-3	1E-7	9E-7	1E-6	2E-6
Lead	7E-5	5E-4	9E-4	3E-3	5E-6	2E-3	4E-3	1E-2	1E-5	1E-3	2E-3	5E-3
Manganese	4E-8	2E-7	3E-7	1E-6	8E-7	6E-6	7E-6	9E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-3	7E-2	7E-2	7E-2	ND	ND	ND	ND
Mercury (total)	6E-3	8E-2	1E-1	3E-1	2E-1	4E-1	4E-1	4E-1	5E-2	1E-1	1E-1	1E-1
Nickel	2E-7	6E-6	1E-5	3E-5	3E-4	1E-3	1E-3	1E-3	9E-7	3E-6	3E-6	3E-6
Selenium	3E-7	2E-6	3E-6	1E-5	1E-4	1E-3	1E-3	1E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	3E-4	3E-4	3E-4	3E-9	5E-8	6E-8	6E-8

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-3	1E-2	3E-2	9E-2	9E-3	1E-2	4E-2	5E-2	ND	ND	ND	ND
Antimony	3E-8	6E-7	1E-6	5E-6	4E-6	3E-5	3E-5	3E-4	1E-7	9E-7	1E-6	8E-6
Arsenic	7E-7	3E-6	5E-6	2E-5	3E-6	1E-4	1E-4	1E-4	1E-7	4E-6	4E-6	4E-6
Barium	1E-6	9E-6	2E-5	6E-5	1E-6	1E-4	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	4E-7	2E-5	7E-5	7E-5	ND	ND	ND	ND
Cadmium	3E-5	2E-4	4E-4	1E-3	3E-5	4E-4	1E-3	1E-3	7E-6	9E-5	3E-4	3E-4
Chromium III	6E-6	4E-5	5E-5	2E-4	2E-7	2E-6	3E-6	3E-6	1E-5	1E-4	1E-4	1E-4
Chromium VI	1E-8	9E-8	2E-7	5E-7	2E-7	5E-5	1E-4	3E-4	2E-10	3E-8	8E-8	2E-7
Cobalt	ND	ND	ND	ND	3E-6	2E-5	2E-5	4E-5	ND	ND	ND	ND
Copper	4E-7	1E-6	2E-6	7E-6	1E-4	6E-4	9E-4	1E-3	1E-7	7E-7	1E-6	2E-6
Lead	4E-5	2E-4	3E-4	1E-3	5E-6	1E-3	3E-3	6E-3	1E-5	1E-3	2E-3	2E-3
Manganese	4E-8	2E-7	3E-7	9E-7	8E-7	6E-6	6E-6	9E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-3	7E-2	7E-2	7E-2	ND	ND	ND	ND
Mercury (total)	6E-3	4E-2	6E-2	1E-1	4E-2	3E-1	3E-1	3E-1	2E-2	1E-1	1E-1	1E-1
Nickel	2E-7	5E-6	8E-6	3E-5	3E-4	1E-3	1E-3	1E-3	9E-7	3E-6	3E-6	3E-6
Selenium	3E-7	2E-6	3E-6	1E-5	1E-4	1E-3	1E-3	1E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	3E-4	3E-4	3E-4	3E-9	5E-8	6E-8	6E-8

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A4. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): All Incinerators (including WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	1E-4	1E-2	2E-2	7E-2	2E-4	6E-2	6E-2	1E-1	ND	ND	ND	ND
Antimony	4E-9	2E-6	6E-6	3E-5	1E-6	2E-4	1E-3	5E-3	3E-8	5E-6	4E-5	1E-4
Arsenic	1E-7	1E-5	2E-5	2E-4	2E-6	9E-4	4E-3	4E-3	6E-8	3E-5	1E-4	1E-4
Barium	3E-7	4E-6	1E-5	6E-5	7E-6	5E-5	5E-4	1E-2	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	3E-5	2E-4	2E-4	ND	ND	ND	ND
Cadmium	3E-6	7E-4	3E-3	1E-2	1E-5	1E-2	3E-2	2E-1	4E-6	3E-3	7E-3	6E-2
Chromium III	1E-6	3E-5	8E-5	4E-4	1E-7	1E-5	1E-4	1E-4	1E-5	5E-4	9E-4	3E-3
Chromium VI	8E-9	3E-7	1E-6	6E-6	5E-5	2E-3	2E-3	1E-2	4E-8	1E-6	1E-6	9E-6
Cobalt	ND	ND	ND	ND	4E-6	4E-5	1E-4	2E-4	ND	ND	ND	ND
Copper	5E-7	4E-6	8E-6	3E-5	9E-4	7E-3	2E-2	6E-2	1E-6	9E-6	2E-5	6E-5
Lead	4E-6	3E-3	5E-3	2E-2	3E-5	5E-2	2E-1	1E+0	3E-5	1E-2	2E-2	2E-1
Manganese	4E-8	4E-7	6E-7	2E-6	5E-6	4E-5	1E-4	2E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	2E-3	2E-1	2E-1	ND	ND	ND	ND
Mercury (total)	2E-4	6E-3	2E-2	2E-1	2E-5	4E-2	8E-1	8E-1	9E-7	3E-3	2E-1	2E-1
Nickel	6E-8	2E-6	4E-6	3E-5	1E-4	2E-3	5E-3	2E-2	3E-7	5E-6	1E-5	4E-5
Selenium	8E-8	1E-6	3E-6	2E-5	1E-5	7E-4	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	4E-5	7E-4	3E-3	2E-2	7E-9	1E-7	6E-7	3E-6

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	1E-4	2E-3	4E-3	1E-2	2E-4	6E-3	7E-3	5E-2	ND	ND	ND	ND
Antimony	1E-9	7E-7	2E-6	1E-5	4E-7	5E-5	4E-4	8E-4	1E-8	2E-6	1E-5	2E-5
Arsenic	7E-8	2E-6	4E-6	1E-5	2E-6	7E-5	3E-4	9E-4	6E-8	2E-6	1E-5	3E-5
Barium	9E-8	2E-6	5E-6	2E-5	3E-6	3E-5	2E-4	3E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	5E-6	1E-5	3E-5	ND	ND	ND	ND
Cadmium	2E-6	1E-4	2E-4	8E-4	1E-5	7E-4	2E-3	4E-3	2E-6	2E-4	5E-4	1E-3
Chromium III	8E-7	1E-5	2E-5	8E-5	1E-7	4E-6	5E-6	2E-5	1E-5	4E-5	1E-4	1E-3
Chromium VI	5E-9	1E-7	3E-7	1E-6	2E-5	1E-4	2E-3	2E-3	1E-8	8E-8	1E-6	2E-6
Cobalt	ND	ND	ND	ND	2E-6	1E-5	2E-5	1E-4	ND	ND	ND	ND
Copper	2E-7	2E-6	3E-6	2E-5	3E-4	2E-3	4E-3	3E-2	3E-7	2E-6	4E-6	3E-5
Lead	3E-6	1E-4	2E-4	9E-4	3E-5	3E-3	4E-3	3E-2	3E-5	2E-4	1E-3	1E-2
Manganese	2E-8	1E-7	3E-7	1E-6	2E-6	1E-5	2E-5	2E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	8E-4	6E-2	6E-2	ND	ND	ND	ND
Mercury (total)	1E-4	4E-3	1E-2	1E-1	2E-5	2E-2	3E-1	3E-1	9E-7	1E-3	9E-2	9E-2
Nickel	3E-8	7E-7	1E-6	6E-6	5E-5	5E-4	1E-3	5E-3	1E-7	1E-6	3E-6	1E-5
Selenium	8E-8	1E-6	3E-6	2E-5	1E-5	7E-4	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	5E-4	7E-4	5E-3	3E-9	1E-7	1E-7	9E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A5. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Area Source Incinerators

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-5	1E-2	2E-2	8E-2	4E-4	8E-3	2E-2	2E-2	ND	ND	ND	ND
Antimony	3E-9	5E-6	9E-6	3E-5	5E-6	9E-4	9E-4	9E-4	1E-7	3E-5	3E-5	3E-5
Arsenic	1E-8	1E-5	2E-5	6E-5	3E-6	9E-4	9E-4	9E-4	9E-8	3E-5	3E-5	3E-5
Barium	9E-8	6E-6	9E-6	3E-5	4E-5	9E-4	9E-4	9E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	2E-5	2E-5	2E-5	ND	ND	ND	ND
Cadmium	1E-6	2E-4	9E-4	4E-3	3E-5	1E-2	1E-2	1E-2	7E-6	3E-3	3E-3	3E-3
Chromium III	2E-7	1E-5	2E-5	9E-5	5E-7	3E-5	3E-5	3E-5	1E-5	4E-4	4E-4	4E-4
Chromium VI	2E-9	2E-8	4E-8	1E-7	8E-6	5E-5	1E-4	1E-4	6E-9	4E-8	7E-8	7E-8
Cobalt	ND	ND	ND	ND	1E-6	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	5E-7	5E-6	8E-6	4E-5	3E-4	6E-2	6E-2	6E-2	3E-7	6E-5	6E-5	6E-5
Lead	3E-6	1E-3	3E-3	2E-2	1E-3	2E-1	2E-1	2E-1	3E-4	7E-2	7E-2	7E-2
Manganese	5E-8	4E-7	6E-7	2E-6	2E-6	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-5	1E-4	1E-3	3E-2	ND	ND	ND	ND
Mercury (total)	1E-5	4E-3	2E-2	5E-2	9E-4	3E-2	3E-2	8E-2	4E-5	1E-4	3E-3	2E-2
Nickel	3E-8	2E-6	3E-6	1E-5	6E-5	7E-3	7E-3	7E-3	2E-7	2E-5	2E-5	2E-5
Selenium	2E-8	1E-6	3E-6	9E-6	2E-5	2E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	5E-5	5E-3	5E-3	5E-3	1E-8	9E-7	9E-7	9E-7

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-5	2E-3	3E-3	1E-2	4E-4	2E-3	3E-3	4E-3	ND	ND	ND	ND
Antimony	3E-9	1E-6	4E-6	1E-5	3E-6	4E-4	4E-4	7E-4	8E-8	1E-5	1E-5	2E-5
Arsenic	1E-8	3E-6	7E-6	3E-5	3E-6	7E-4	7E-4	7E-4	9E-8	2E-5	2E-5	2E-5
Barium	9E-8	3E-6	6E-6	2E-5	7E-6	8E-4	8E-4	8E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	2E-5	2E-5	ND	ND	ND	ND
Cadmium	1E-6	3E-5	1E-4	6E-4	9E-6	2E-3	2E-3	2E-3	2E-6	5E-4	5E-4	5E-4
Chromium III	2E-7	1E-5	1E-5	7E-5	1E-7	2E-5	2E-5	2E-5	2E-6	4E-4	4E-4	4E-4
Chromium VI	2E-9	1E-8	2E-8	7E-8	7E-6	2E-5	1E-4	1E-4	5E-9	2E-8	7E-8	7E-8
Cobalt	ND	ND	ND	ND	5E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	2E-7	4E-6	7E-6	3E-5	1E-4	4E-2	4E-2	4E-2	1E-7	4E-5	4E-5	4E-5
Lead	3E-6	1E-4	3E-4	8E-4	4E-4	3E-2	3E-2	3E-2	6E-5	5E-3	5E-3	5E-3
Manganese	3E-8	3E-7	5E-7	2E-6	6E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-5	1E-4	5E-4	3E-2	ND	ND	ND	ND
Mercury (total)	1E-5	2E-3	2E-2	5E-2	9E-4	3E-3	3E-3	8E-2	9E-6	6E-5	6E-4	2E-2
Nickel	2E-8	1E-6	2E-6	1E-5	3E-5	4E-3	4E-3	4E-3	7E-8	9E-6	9E-6	9E-6
Selenium	2E-8	1E-6	3E-6	9E-6	2E-5	2E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	1E-3	1E-3	1E-3	3E-9	2E-7	2E-7	2E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A6. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Commercial Incinerators (including WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	6E-3	3E-2	5E-2	1E-1	6E-3	2E-2	3E-2	1E-1	ND	ND	ND	ND
Antimony	3E-8	9E-6	1E-5	5E-5	2E-5	1E-3	1E-3	1E-3	6E-7	4E-5	4E-5	4E-5
Arsenic	8E-7	2E-5	3E-5	1E-4	7E-6	9E-4	9E-4	3E-3	2E-7	3E-5	3E-5	1E-4
Barium	1E-6	9E-6	2E-5	7E-5	1E-5	2E-3	2E-3	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	8E-6	2E-5	2E-5	3E-5	ND	ND	ND	ND
Cadmium	1E-5	5E-4	1E-3	5E-3	5E-5	4E-3	1E-2	1E-2	1E-5	9E-4	3E-3	3E-3
Chromium III	4E-6	2E-5	4E-5	1E-4	5E-7	3E-5	6E-5	6E-5	1E-5	4E-4	4E-4	4E-4
Chromium VI	3E-9	3E-8	6E-8	2E-7	1E-5	5E-5	5E-5	6E-5	1E-8	4E-8	4E-8	5E-8
Cobalt	ND	ND	ND	ND	2E-6	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	1E-6	8E-6	2E-5	7E-5	5E-4	2E-2	4E-2	4E-2	5E-7	2E-5	4E-5	4E-5
Lead	9E-5	2E-3	4E-3	2E-2	1E-4	2E-1	2E-1	2E-1	5E-5	3E-2	7E-2	7E-2
Manganese	1E-7	5E-7	1E-6	4E-6	3E-6	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2E-4	4E-3	6E-3	3E-2	ND	ND	ND	ND
Mercury (total)	9E-4	2E-2	3E-2	6E-2	5E-3	3E-2	5E-2	9E-2	1E-4	3E-3	1E-2	2E-2
Nickel	1E-7	3E-6	5E-6	2E-5	9E-5	3E-3	7E-3	7E-3	2E-7	8E-6	2E-5	2E-5
Selenium	2E-7	3E-6	4E-6	1E-5	3E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	6E-5	5E-3	5E-3	5E-3	1E-8	9E-7	9E-7	9E-7

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	7E-4	4E-3	7E-3	2E-2	2E-3	6E-3	6E-3	3E-2	ND	ND	ND	ND
Antimony	2E-8	3E-6	9E-6	3E-5	2E-5	6E-4	6E-4	9E-4	6E-7	2E-5	2E-5	3E-5
Arsenic	5E-7	6E-6	1E-5	5E-5	1E-5	9E-4	9E-4	9E-4	3E-7	3E-5	3E-5	3E-5
Barium	5E-7	6E-6	1E-5	4E-5	7E-6	8E-4	1E-3	1E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	2E-5	3E-5	ND	ND	ND	ND
Cadmium	4E-6	1E-4	2E-4	7E-4	9E-6	2E-3	2E-3	2E-3	2E-6	4E-4	5E-4	5E-4
Chromium III	2E-6	1E-5	3E-5	1E-4	1E-7	2E-5	2E-5	2E-5	4E-6	2E-4	4E-4	4E-4
Chromium VI	3E-9	2E-8	3E-8	8E-8	5E-6	2E-5	2E-5	6E-5	4E-9	2E-8	2E-8	5E-8
Cobalt	ND	ND	ND	ND	5E-7	7E-5	1E-4	1E-4	ND	ND	ND	ND
Copper	9E-7	7E-6	1E-5	5E-5	1E-4	2E-2	2E-2	2E-2	1E-7	2E-5	2E-5	2E-5
Lead	3E-5	2E-4	4E-4	1E-3	1E-4	3E-2	8E-2	8E-2	5E-5	5E-3	6E-3	6E-3
Manganese	9E-8	5E-7	8E-7	3E-6	6E-7	8E-5	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	3E-5	7E-4	1E-3	3E-2	ND	ND	ND	ND
Mercury (total)	5E-4	1E-2	2E-2	5E-2	1E-3	5E-3	5E-3	8E-2	4E-5	1E-3	1E-3	2E-2
Nickel	6E-8	2E-6	3E-6	1E-5	7E-6	3E-3	4E-3	4E-3	2E-8	7E-6	9E-6	9E-6
Selenium	2E-7	3E-6	4E-6	1E-5	3E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	1E-3	3E-3	3E-3	3E-9	2E-7	7E-7	7E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A7. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Large Onsite Incinerators (including WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-4	1E-2	2E-2	6E-2	1E-2	7E-2	1E-1	1E-1	ND	ND	ND	ND
Antimony	4E-7	8E-6	1E-5	5E-5	5E-5	3E-3	5E-3	1E-2	2E-6	1E-4	1E-4	3E-4
Arsenic	8E-7	3E-5	1E-4	3E-4	2E-5	4E-3	4E-3	5E-3	6E-7	1E-4	1E-4	2E-4
Barium	9E-7	2E-5	4E-5	2E-4	3E-5	7E-4	1E-2	1E-2	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	2E-4	2E-4	8E-4	ND	ND	ND	ND
Cadmium	2E-4	4E-3	9E-3	4E-2	8E-4	2E-2	2E-1	2E-1	2E-4	6E-3	6E-2	6E-2
Chromium III	8E-6	2E-4	3E-4	9E-4	3E-6	1E-4	1E-4	1E-4	2E-4	2E-3	3E-3	3E-3
Chromium VI	9E-8	2E-6	4E-6	1E-5	2E-4	3E-3	1E-2	1E-2	2E-7	3E-6	9E-6	9E-6
Cobalt	ND	ND	ND	ND	7E-6	9E-5	1E-4	1E-4	ND	ND	ND	ND
Copper	1E-6	7E-6	1E-5	5E-5	1E-3	2E-2	2E-2	3E-2	2E-6	2E-5	2E-5	3E-5
Lead	3E-4	7E-3	1E-2	4E-2	6E-3	2E-1	9E-1	9E-1	2E-3	3E-2	2E-1	2E-1
Manganese	1E-7	6E-7	1E-6	4E-6	9E-6	1E-4	1E-4	2E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-6	7E-2	7E-2	7E-2	ND	ND	ND	ND
Mercury (total)	4E-4	9E-3	7E-2	3E-1	1E-3	4E-1	4E-1	4E-1	1E-4	1E-1	1E-1	1E-1
Nickel	6E-7	6E-6	1E-5	5E-5	7E-4	7E-3	8E-3	3E-2	2E-6	2E-5	2E-5	9E-5
Selenium	2E-7	4E-6	8E-6	3E-5	1E-4	2E-3	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-4	2E-3	3E-3	8E-1	3E-8	5E-7	6E-7	2E-4

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-4	3E-3	6E-3	2E-2	6E-3	1E-2	5E-2	7E-2	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	1E-5	2E-5	5E-4	8E-4	2E-3	7E-7	2E-5	2E-5	5E-5
Arsenic	4E-7	4E-6	6E-6	2E-5	1E-5	3E-4	5E-4	8E-4	5E-7	1E-5	2E-5	3E-5
Barium	2E-7	4E-6	8E-6	3E-5	1E-5	2E-4	2E-3	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	1E-5	3E-5	2E-4	ND	ND	ND	ND
Cadmium	3E-5	3E-4	4E-4	1E-3	6E-5	3E-3	4E-3	5E-3	2E-5	8E-4	9E-4	1E-3
Chromium III	4E-6	2E-5	4E-5	1E-4	2E-6	6E-6	1E-5	1E-5	4E-5	3E-4	5E-4	1E-3
Chromium VI	4E-8	4E-7	8E-7	3E-6	6E-5	2E-3	2E-3	2E-3	5E-8	1E-6	2E-6	2E-6
Cobalt	ND	ND	ND	ND	3E-6	2E-5	2E-5	8E-5	ND	ND	ND	ND
Copper	4E-7	2E-6	4E-6	1E-5	6E-4	3E-3	4E-3	2E-2	7E-7	3E-6	4E-6	2E-5
Lead	5E-5	3E-4	4E-4	2E-3	2E-3	1E-2	2E-2	2E-2	1E-4	6E-3	6E-3	9E-3
Manganese	4E-8	2E-7	3E-7	1E-6	4E-6	2E-5	2E-5	9E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-6	3E-2	3E-2	3E-2	ND	ND	ND	ND
Mercury (total)	3E-4	6E-3	5E-2	1E-1	1E-3	2E-1	2E-1	2E-1	7E-5	4E-2	4E-2	4E-2
Nickel	2E-7	2E-6	3E-6	1E-5	3E-4	1E-3	3E-3	5E-3	8E-7	3E-6	8E-6	1E-5
Selenium	2E-7	4E-6	8E-6	3E-5	1E-4	2E-3	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	3E-5	3E-4	4E-4	1E-1	7E-9	6E-8	8E-8	2E-5

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A8. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Small Onsite Incinerators (including WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-5	2E-3	7E-3	4E-2	2E-4	1E-2	2E-2	5E-2	ND	ND	ND	ND
Antimony	6E-10	1E-8	2E-8	7E-8	8E-8	9E-6	9E-6	2E-5	2E-9	3E-7	3E-7	6E-7
Arsenic	1E-8	7E-7	1E-6	4E-6	1E-7	2E-6	2E-5	4E-5	4E-9	6E-8	5E-7	1E-6
Barium	7E-8	1E-6	2E-6	9E-6	1E-6	7E-6	3E-5	1E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	2E-6	2E-6	5E-6	ND	ND	ND	ND
Cadmium	1E-6	6E-6	1E-5	4E-5	2E-6	2E-5	3E-5	7E-4	4E-7	5E-6	7E-6	2E-4
Chromium III	4E-7	4E-6	7E-6	3E-5	1E-7	2E-6	3E-6	3E-6	4E-6	2E-5	2E-5	6E-5
Chromium VI	3E-9	2E-8	4E-8	2E-7	3E-6	1E-4	1E-4	1E-3	2E-9	7E-8	7E-8	1E-6
Cobalt	ND	ND	ND	ND	7E-7	4E-6	7E-6	1E-4	ND	ND	ND	ND
Copper	2E-7	1E-6	2E-6	7E-6	1E-4	9E-4	2E-3	6E-2	1E-7	1E-6	2E-6	6E-5
Lead	1E-6	7E-6	1E-5	4E-5	3E-5	4E-4	5E-4	1E-3	9E-6	4E-5	6E-5	4E-4
Manganese	2E-8	9E-8	2E-7	6E-7	8E-7	5E-6	8E-6	5E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	1E-5	1E-4	3E-3	ND	ND	ND	ND
Mercury (total)	4E-5	3E-3	8E-3	2E-2	8E-7	2E-4	2E-3	2E-2	6E-7	7E-6	5E-4	6E-3
Nickel	1E-8	2E-7	3E-7	1E-6	5E-6	3E-4	3E-4	8E-4	1E-8	7E-7	7E-7	2E-6
Selenium	2E-8	3E-7	4E-7	2E-6	2E-6	7E-4	7E-4	5E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	7E-4	7E-4	7E-3	3E-9	1E-7	1E-7	1E-6

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-5	6E-4	1E-3	4E-3	2E-4	2E-3	2E-3	3E-3	ND	ND	ND	ND
Antimony	3E-10	6E-9	1E-8	5E-8	4E-8	3E-6	7E-6	1E-5	1E-9	9E-8	2E-7	4E-7
Arsenic	1E-8	3E-7	6E-7	2E-6	1E-7	2E-6	7E-6	2E-5	4E-9	6E-8	2E-7	6E-7
Barium	3E-8	4E-7	9E-7	3E-6	6E-7	5E-6	4E-5	4E-5	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	2E-6	2E-6	5E-6	ND	ND	ND	ND
Cadmium	1E-6	6E-6	1E-5	4E-5	2E-6	2E-5	3E-5	7E-4	4E-7	5E-6	7E-6	2E-4
Chromium III	3E-7	3E-6	6E-6	2E-5	1E-7	1E-6	3E-6	3E-6	4E-6	2E-5	2E-5	3E-5
Chromium VI	2E-9	2E-8	4E-8	1E-7	2E-6	1E-4	1E-4	1E-3	2E-9	7E-8	7E-8	1E-6
Cobalt	ND	ND	ND	ND	1E-7	4E-6	5E-6	1E-5	ND	ND	ND	ND
Copper	9E-8	5E-7	9E-7	3E-6	2E-5	9E-4	1E-3	4E-3	3E-8	1E-6	1E-6	4E-6
Lead	1E-6	5E-6	1E-5	3E-5	3E-5	4E-4	5E-4	2E-3	9E-6	4E-5	6E-5	4E-4
Manganese	8E-9	4E-8	8E-8	3E-7	1E-7	5E-6	6E-6	1E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	1E-5	9E-5	3E-3	ND	ND	ND	ND
Mercury (total)	3E-5	3E-3	7E-3	2E-2	8E-7	2E-4	2E-3	2E-2	6E-7	7E-6	5E-4	6E-3
Nickel	6E-9	9E-8	2E-7	7E-7	3E-6	1E-4	1E-4	3E-4	7E-9	3E-7	4E-7	8E-7
Selenium	2E-8	3E-7	4E-7	2E-6	2E-6	7E-4	7E-4	5E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	8E-6	7E-4	7E-4	1E-3	2E-9	1E-7	1E-7	3E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A9. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Waste Heat Boilers

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	7E-3	4E-2	6E-2	2E-1	6E-2	6E-2	1E-1	1E-1	ND	ND	ND	ND
Antimony	8E-9	3E-6	6E-6	3E-5	1E-6	7E-4	1E-3	1E-3	4E-8	2E-5	4E-5	4E-5
Arsenic	4E-8	7E-6	1E-5	4E-5	2E-6	5E-4	6E-4	6E-4	6E-8	2E-5	2E-5	2E-5
Barium	3E-7	4E-6	2E-5	1E-4	3E-5	5E-5	5E-3	5E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	1E-5	4E-5	4E-5	ND	ND	ND	ND
Cadmium	4E-6	2E-4	1E-3	6E-3	3E-5	8E-5	2E-2	2E-2	7E-6	2E-5	4E-3	4E-3
Chromium III	2E-6	1E-5	3E-5	1E-4	1E-6	3E-6	4E-5	4E-5	4E-5	5E-5	5E-4	5E-4
Chromium VI	1E-8	1E-7	5E-7	4E-6	7E-5	7E-5	2E-3	2E-3	5E-8	5E-8	1E-6	1E-6
Cobalt	ND	ND	ND	ND	5E-6	9E-6	8E-5	8E-5	ND	ND	ND	ND
Copper	5E-7	2E-6	4E-6	2E-5	1E-3	2E-3	2E-2	2E-2	1E-6	2E-6	2E-5	2E-5
Lead	4E-6	6E-4	2E-3	1E-2	2E-4	1E-3	2E-1	2E-1	6E-5	3E-4	4E-2	4E-2
Manganese	5E-8	2E-7	4E-7	1E-6	6E-6	1E-5	9E-5	9E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	9E-7	2E-4	4E-4	8E-3	ND	ND	ND	ND
Mercury (total)	9E-5	9E-3	2E-2	6E-2	9E-5	3E-2	3E-2	5E-2	1E-6	2E-4	1E-3	2E-2
Nickel	1E-7	1E-6	1E-6	5E-6	1E-4	1E-4	2E-3	8E-3	3E-7	4E-7	6E-6	2E-5
Selenium	1E-7	1E-6	2E-6	1E-5	1E-4	7E-4	2E-3	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	3E-5	6E-4	2E-3	2E-3	7E-9	1E-7	4E-7	4E-7

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	7E-4	3E-3	5E-3	2E-2	6E-3	6E-3	9E-3	9E-3	ND	ND	ND	ND
Antimony	7E-9	7E-7	8E-7	4E-6	9E-7	9E-5	5E-4	5E-4	3E-8	3E-6	1E-5	1E-5
Arsenic	3E-8	1E-6	2E-6	7E-6	2E-6	3E-5	2E-4	2E-4	5E-8	9E-7	6E-6	6E-6
Barium	2E-7	1E-6	4E-6	2E-5	1E-5	2E-5	9E-4	9E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-6	1E-5	1E-5	ND	ND	ND	ND
Cadmium	2E-6	9E-5	2E-4	7E-4	3E-5	8E-5	6E-4	5E-3	9E-6	2E-5	1E-4	1E-3
Chromium III	1E-6	7E-6	1E-5	4E-5	1E-6	3E-6	6E-6	6E-6	3E-5	4E-5	3E-4	3E-4
Chromium VI	1E-8	7E-8	2E-7	9E-7	4E-5	7E-5	1E-3	1E-3	3E-8	5E-8	1E-6	1E-6
Cobalt	ND	ND	ND	ND	3E-6	4E-6	2E-5	2E-5	ND	ND	ND	ND
Copper	3E-7	1E-6	3E-6	8E-6	6E-4	9E-4	4E-3	4E-3	7E-7	1E-6	4E-6	5E-6
Lead	4E-6	5E-5	9E-5	3E-4	2E-4	6E-4	4E-3	4E-3	6E-5	7E-5	9E-4	9E-4
Manganese	3E-8	2E-7	3E-7	1E-6	4E-6	5E-6	2E-5	2E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	9E-7	2E-4	4E-4	7E-3	ND	ND	ND	ND
Mercury (total)	9E-5	9E-3	2E-2	5E-2	9E-5	2E-3	8E-3	4E-2	9E-7	2E-4	1E-3	1E-2
Nickel	6E-8	6E-7	1E-6	4E-6	5E-5	1E-4	5E-4	1E-3	1E-7	4E-7	1E-6	3E-6
Selenium	1E-7	1E-6	2E-6	1E-5	1E-4	7E-4	2E-3	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	7E-4	7E-4	7E-4	3E-9	1E-7	1E-7	1E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A10. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): All Incinerators (excluding WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	6E-5	2E-3	5E-3	2E-2	2E-4	9E-4	1E-2	5E-2	ND	ND	ND	ND
Antimony	3E-9	2E-6	6E-6	3E-5	9E-7	1E-4	8E-4	3E-3	3E-8	3E-6	3E-5	1E-4
Arsenic	1E-7	1E-5	2E-5	2E-4	1E-6	2E-3	4E-3	5E-3	5E-8	5E-5	1E-4	2E-4
Barium	2E-7	4E-6	1E-5	6E-5	6E-6	7E-5	5E-4	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	3E-5	2E-4	3E-4	ND	ND	ND	ND
Cadmium	2E-6	9E-4	3E-3	1E-2	4E-6	1E-2	3E-2	3E-2	1E-6	3E-3	7E-3	7E-3
Chromium III	1E-6	5E-5	1E-4	5E-4	1E-7	3E-5	1E-4	1E-4	4E-6	9E-4	9E-4	2E-3
Chromium VI	6E-9	3E-7	2E-6	6E-6	7E-6	2E-3	2E-3	7E-3	5E-9	1E-6	1E-6	5E-6
Cobalt	ND	ND	ND	ND	9E-7	4E-5	1E-4	2E-4	ND	ND	ND	ND
Copper	5E-7	4E-6	9E-6	3E-5	2E-4	8E-3	2E-2	7E-2	2E-7	9E-6	2E-5	8E-5
Lead	4E-6	3E-3	6E-3	2E-2	3E-5	1E-1	2E-1	9E-1	8E-6	1E-2	2E-2	1E-1
Manganese	4E-8	4E-7	6E-7	3E-6	1E-6	5E-5	1E-4	2E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	4E-3	2E-1	2E-1	ND	ND	ND	ND
Mercury (total)	2E-4	5E-3	1E-2	3E-1	2E-5	3E-2	8E-1	8E-1	6E-7	5E-3	2E-1	2E-1
Nickel	5E-8	2E-6	5E-6	3E-5	9E-6	2E-3	5E-3	2E-2	2E-8	5E-6	1E-5	4E-5
Selenium	8E-8	1E-6	3E-6	2E-5	8E-6	4E-4	5E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	4E-5	7E-4	5E-3	2E-2	8E-9	1E-7	9E-7	3E-6

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	6E-5	1E-3	3E-3	1E-2	2E-4	9E-4	7E-3	5E-2	ND	ND	ND	ND
Antimony	1E-9	8E-7	2E-6	1E-5	3E-7	3E-5	2E-4	7E-4	8E-9	9E-7	5E-6	2E-5
Arsenic	8E-8	2E-6	4E-6	2E-5	1E-6	7E-5	3E-4	2E-3	4E-8	2E-6	1E-5	6E-5
Barium	8E-8	2E-6	5E-6	2E-5	8E-7	4E-5	2E-4	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	5E-6	1E-5	3E-5	ND	ND	ND	ND
Cadmium	2E-6	1E-4	2E-4	8E-4	4E-6	7E-4	2E-3	3E-3	1E-6	2E-4	5E-4	8E-4
Chromium III	7E-7	1E-5	2E-5	8E-5	1E-7	3E-6	3E-6	3E-5	4E-6	3E-5	1E-4	1E-3
Chromium VI	4E-9	1E-7	3E-7	1E-6	5E-6	1E-4	1E-3	2E-3	4E-9	8E-8	1E-6	1E-6
Cobalt	ND	ND	ND	ND	4E-7	1E-5	2E-5	1E-4	ND	ND	ND	ND
Copper	1E-7	2E-6	3E-6	2E-5	8E-5	2E-3	5E-3	4E-2	9E-8	2E-6	6E-6	4E-5
Lead	3E-6	1E-4	3E-4	1E-3	3E-5	3E-3	4E-3	8E-2	9E-6	3E-4	1E-3	2E-2
Manganese	1E-8	1E-7	3E-7	1E-6	5E-7	1E-5	2E-5	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	3E-7	1E-3	4E-2	4E-2	ND	ND	ND	ND
Mercury (total)	2E-4	3E-3	8E-3	9E-2	2E-5	2E-2	3E-1	3E-1	6E-7	3E-3	9E-2	9E-2
Nickel	2E-8	8E-7	2E-6	6E-6	4E-6	4E-4	9E-4	5E-3	1E-8	1E-6	2E-6	1E-5
Selenium	8E-8	1E-6	3E-6	2E-5	8E-6	4E-4	5E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	2E-4	1E-3	5E-3	3E-9	4E-8	2E-7	9E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A11. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Commercial Incinerators (excluding WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	5E-4	2E-2	2E-2	9E-2	9E-4	2E-2	2E-2	3E-2	ND	ND	ND	ND
Antimony	5E-8	4E-6	9E-6	3E-5	8E-6	6E-4	9E-4	9E-4	3E-7	2E-5	3E-5	3E-5
Arsenic	3E-7	1E-5	2E-5	1E-4	3E-6	9E-4	9E-4	3E-3	1E-7	3E-5	3E-5	1E-4
Barium	1E-6	1E-5	2E-5	9E-5	1E-5	2E-3	2E-3	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	3E-5	3E-5	ND	ND	ND	ND
Cadmium	2E-5	1E-3	1E-3	5E-3	3E-5	1E-2	1E-2	1E-2	8E-6	3E-3	3E-3	3E-3
Chromium III	5E-6	3E-5	4E-5	2E-4	2E-7	6E-5	6E-5	6E-5	1E-5	4E-4	4E-4	4E-4
Chromium VI	2E-9	2E-8	2E-8	9E-8	1E-6	4E-5	4E-5	6E-5	1E-9	3E-8	3E-8	5E-8
Cobalt	ND	ND	ND	ND	6E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	2E-6	1E-5	2E-5	7E-5	2E-4	4E-2	4E-2	4E-2	3E-7	4E-5	4E-5	4E-5
Lead	3E-5	3E-3	5E-3	2E-2	5E-5	2E-1	2E-1	2E-1	5E-5	7E-2	7E-2	7E-2
Manganese	2E-7	6E-7	2E-6	6E-6	7E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	5E-4	4E-3	6E-3	2E-2	ND	ND	ND	ND
Mercury (total)	1E-3	2E-2	4E-2	1E-1	5E-3	2E-2	3E-2	9E-2	8E-5	3E-3	1E-2	2E-2
Nickel	2E-7	3E-6	7E-6	3E-5	3E-5	7E-3	7E-3	7E-3	8E-8	2E-5	2E-5	2E-5
Selenium	3E-7	3E-6	7E-6	3E-5	1E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	5E-3	5E-3	5E-3	4E-9	9E-7	9E-7	9E-7

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	5E-4	4E-3	7E-3	2E-2	3E-4	6E-3	6E-3	3E-2	ND	ND	ND	ND
Antimony	3E-8	4E-6	9E-6	4E-5	7E-6	6E-4	9E-4	9E-4	2E-7	2E-5	3E-5	3E-5
Arsenic	3E-7	1E-5	1E-5	5E-5	3E-6	9E-4	9E-4	9E-4	1E-7	3E-5	3E-5	3E-5
Barium	1E-6	8E-6	2E-5	6E-5	1E-5	1E-3	1E-3	1E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	3E-5	3E-5	ND	ND	ND	ND
Cadmium	8E-6	2E-4	2E-4	8E-4	6E-6	2E-3	2E-3	2E-3	2E-6	5E-4	5E-4	5E-4
Chromium III	4E-6	2E-5	4E-5	1E-4	2E-7	2E-5	2E-5	2E-5	1E-5	4E-4	4E-4	4E-4
Chromium VI	2E-9	2E-8	2E-8	9E-8	1E-6	2E-5	2E-5	6E-5	1E-9	2E-8	2E-8	5E-8
Cobalt	ND	ND	ND	ND	5E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	2E-6	1E-5	2E-5	6E-5	1E-4	2E-2	2E-2	2E-2	1E-7	2E-5	2E-5	2E-5
Lead	3E-5	3E-4	6E-4	3E-3	5E-5	8E-2	8E-2	8E-2	1E-5	6E-3	6E-3	6E-3
Manganese	1E-7	6E-7	1E-6	5E-6	6E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-5	7E-4	1E-3	6E-3	ND	ND	ND	ND
Mercury (total)	9E-4	2E-2	2E-2	5E-2	1E-3	5E-3	5E-3	3E-2	4E-5	8E-4	1E-3	1E-2
Nickel	1E-7	3E-6	4E-6	1E-5	3E-5	4E-3	4E-3	4E-3	7E-8	9E-6	9E-6	9E-6
Selenium	3E-7	3E-6	7E-6	3E-5	1E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	3E-3	3E-3	3E-3	3E-9	7E-7	7E-7	7E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A12. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Large Onsite Incinerators (excluding WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-4	3E-3	6E-3	2E-2	2E-4	3E-2	5E-2	1E-1	ND	ND	ND	ND
Antimony	5E-7	9E-6	2E-5	5E-5	1E-4	3E-3	3E-3	1E-2	3E-6	1E-4	1E-4	3E-4
Arsenic	1E-6	4E-5	1E-4	4E-4	2E-3	4E-3	5E-3	5E-3	7E-5	1E-4	2E-4	2E-4
Barium	9E-7	2E-5	3E-5	9E-5	3E-5	7E-4	7E-4	4E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	6E-5	2E-4	2E-4	1E-3	ND	ND	ND	ND
Cadmium	2E-4	4E-3	1E-2	4E-2	2E-2	2E-2	2E-2	1E-1	5E-3	6E-3	6E-3	3E-2
Chromium III	2E-5	2E-4	3E-4	1E-3	3E-5	1E-4	1E-4	1E-4	9E-4	1E-3	2E-3	5E-3
Chromium VI	1E-7	2E-6	4E-6	1E-5	2E-3	3E-3	8E-3	8E-3	1E-6	3E-6	6E-6	6E-6
Cobalt	ND	ND	ND	ND	4E-6	9E-5	1E-4	1E-4	ND	ND	ND	ND
Copper	1E-6	9E-6	1E-5	5E-5	7E-4	2E-2	2E-2	2E-2	8E-7	2E-5	2E-5	2E-5
Lead	4E-4	7E-3	1E-2	4E-2	2E-1	2E-1	3E-1	5E-1	1E-2	3E-2	3E-2	1E-1
Manganese	1E-7	8E-7	1E-6	4E-6	4E-6	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	6E-4	7E-2	7E-2	7E-2	ND	ND	ND	ND
Mercury (total)	4E-4	4E-3	7E-2	3E-1	5E-2	4E-1	4E-1	4E-1	7E-4	1E-1	1E-1	1E-1
Nickel	6E-7	9E-6	1E-5	5E-5	2E-3	6E-3	2E-2	3E-2	5E-6	2E-5	6E-5	9E-5
Selenium	2E-7	3E-6	1E-5	3E-5	3E-5	3E-3	2E-2	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-4	2E-3	2E-2	8E-1	3E-8	5E-7	3E-6	2E-4

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-4	3E-3	6E-3	2E-2	2E-4	3E-2	5E-2	1E-1	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	1E-5	2E-5	5E-4	5E-4	2E-3	7E-7	2E-5	2E-5	5E-5
Arsenic	5E-7	4E-6	7E-6	3E-5	5E-5	5E-4	8E-4	8E-4	2E-6	2E-5	3E-5	3E-5
Barium	2E-7	4E-6	5E-6	2E-5	8E-6	2E-4	2E-4	8E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	5E-6	3E-5	3E-5	7E-4	ND	ND	ND	ND
Cadmium	3E-5	2E-4	4E-4	1E-3	6E-4	3E-3	4E-3	4E-3	1E-4	8E-4	9E-4	9E-4
Chromium III	4E-6	2E-5	5E-5	1E-4	3E-6	5E-6	8E-6	1E-5	2E-5	3E-4	1E-3	1E-3
Chromium VI	5E-8	4E-7	8E-7	3E-6	4E-5	2E-3	2E-3	2E-3	3E-8	1E-6	1E-6	1E-6
Cobalt	ND	ND	ND	ND	2E-6	1E-5	5E-5	5E-5	ND	ND	ND	ND
Copper	4E-7	2E-6	4E-6	1E-5	3E-4	2E-3	9E-3	9E-3	3E-7	3E-6	1E-5	1E-5
Lead	5E-5	4E-4	5E-4	2E-3	3E-3	8E-3	1E-2	1E-2	1E-4	3E-3	9E-3	9E-3
Manganese	3E-8	1E-7	3E-7	1E-6	2E-6	1E-5	6E-5	6E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	6E-4	3E-2	3E-2	3E-2	ND	ND	ND	ND
Mercury (total)	3E-4	2E-3	5E-2	1E-1	3E-2	2E-1	2E-1	2E-1	6E-4	4E-2	4E-2	4E-2
Nickel	2E-7	2E-6	4E-6	1E-5	4E-4	1E-3	4E-3	5E-3	1E-6	3E-6	1E-5	1E-5
Selenium	2E-7	3E-6	1E-5	3E-5	3E-5	3E-3	2E-2	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	3E-5	3E-4	2E-3	1E-1	7E-9	6E-8	5E-7	2E-5

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A13. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Small Onsite Incinerators (excluding WHB)

Baseline

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	2E-5	3E-4	5E-4	2E-3	2E-4	3E-4	4E-4	1E-3	ND	ND	ND	ND
Antimony	4E-10	7E-9	1E-8	4E-8	8E-8	2E-6	9E-6	1E-5	2E-9	7E-8	3E-7	4E-7
Arsenic	1E-8	7E-7	1E-6	5E-6	2E-8	2E-6	2E-5	4E-5	7E-10	6E-8	5E-7	1E-6
Barium	6E-8	8E-7	1E-6	5E-6	6E-7	7E-6	1E-5	1E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	9E-9	2E-7	3E-7	3E-6	ND	ND	ND	ND
Cadmium	1E-6	5E-6	8E-6	3E-5	2E-7	2E-5	3E-5	7E-4	5E-8	5E-6	7E-6	2E-4
Chromium III	3E-7	3E-6	5E-6	2E-5	1E-7	1E-7	8E-7	2E-6	3E-6	1E-5	1E-5	3E-5
Chromium VI	2E-9	2E-8	3E-8	1E-7	2E-6	1E-4	1E-4	9E-4	2E-9	7E-8	7E-8	7E-7
Cobalt	ND	ND	ND	ND	9E-8	4E-6	9E-6	4E-5	ND	ND	ND	ND
Copper	2E-7	9E-7	2E-6	7E-6	2E-5	9E-4	2E-3	6E-2	2E-8	1E-6	2E-6	6E-5
Lead	1E-6	6E-6	1E-5	3E-5	3E-5	5E-5	4E-4	1E-3	8E-6	3E-5	4E-5	6E-4
Manganese	2E-8	8E-8	2E-7	6E-7	1E-7	5E-6	1E-5	5E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	1E-5	6E-5	3E-3	ND	ND	ND	ND
Mercury (total)	4E-5	3E-3	6E-3	2E-2	8E-7	2E-4	2E-3	2E-2	6E-7	7E-6	4E-4	5E-3
Nickel	1E-8	1E-7	2E-7	9E-7	5E-6	1E-4	7E-4	8E-4	1E-8	3E-7	2E-6	2E-6
Selenium	2E-8	3E-7	4E-7	2E-6	4E-7	2E-5	1E-4	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-6	8E-5	3E-4	7E-3	3E-10	1E-8	6E-8	1E-6

MACT Standard

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	2E-5	3E-4	5E-4	2E-3	2E-4	3E-4	4E-4	1E-3	ND	ND	ND	ND
Antimony	1E-10	3E-9	5E-9	2E-8	4E-8	2E-6	2E-6	3E-6	1E-9	5E-8	7E-8	9E-8
Arsenic	1E-8	4E-7	7E-7	2E-6	2E-8	2E-6	1E-5	2E-5	7E-10	6E-8	4E-7	6E-7
Barium	2E-8	3E-7	7E-7	2E-6	2E-7	3E-6	4E-5	4E-5	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	7E-9	1E-7	3E-7	3E-6	ND	ND	ND	ND
Cadmium	1E-6	5E-6	8E-6	3E-5	2E-7	2E-5	3E-5	7E-4	5E-8	5E-6	7E-6	2E-4
Chromium III	2E-7	2E-6	4E-6	1E-5	9E-8	2E-7	6E-7	2E-6	3E-6	1E-5	1E-5	2E-5
Chromium VI	2E-9	1E-8	3E-8	1E-7	2E-6	1E-4	1E-4	9E-4	2E-9	7E-8	7E-8	7E-7
Cobalt	ND	ND	ND	ND	4E-8	2E-6	6E-6	1E-5	ND	ND	ND	ND
Copper	7E-8	4E-7	6E-7	3E-6	7E-6	4E-4	1E-3	4E-3	8E-9	4E-7	1E-6	4E-6
Lead	1E-6	5E-6	1E-5	3E-5	3E-5	5E-5	4E-4	2E-3	8E-6	3E-5	4E-5	4E-4
Manganese	6E-9	4E-8	5E-8	2E-7	4E-8	2E-6	7E-6	1E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	3E-7	1E-5	5E-5	3E-3	ND	ND	ND	ND
Mercury (total)	3E-5	3E-3	5E-3	2E-2	8E-7	2E-4	2E-3	1E-2	6E-7	7E-6	4E-4	3E-3
Nickel	5E-9	5E-8	9E-8	4E-7	3E-6	1E-4	1E-4	1E-4	7E-9	3E-7	3E-7	4E-7
Selenium	2E-8	3E-7	4E-7	2E-6	4E-7	2E-5	1E-4	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	8E-7	4E-5	2E-4	1E-3	1E-10	8E-9	3E-8	3E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A14. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Cement Kilns

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	7E-3	3E-2	4E-2	1E-1	1E-3	7E-2	7E-2	9E-2	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	8E-6	4E-5	4E-4	4E-4	5E-4	1E-6	1E-5	1E-5	2E-5
Arsenic	6E-7	5E-6	8E-6	2E-5	9E-6	5E-5	5E-5	1E-3	3E-7	2E-6	2E-6	4E-5
Barium	8E-6	1E-4	3E-4	9E-4	2E-4	3E-4	8E-4	2E-2	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	9E-6	9E-5	9E-5	8E-4	ND	ND	ND	ND
Cadmium	4E-4	1E-3	2E-3	5E-3	2E-4	9E-3	9E-3	1E-2	5E-5	2E-3	2E-3	4E-3
Chromium III	1E-5	5E-5	9E-5	2E-4	8E-7	1E-5	1E-5	3E-5	9E-5	2E-4	4E-4	7E-4
Chromium VI	3E-8	1E-7	2E-7	4E-7	1E-4	6E-4	6E-4	6E-4	7E-8	4E-7	4E-7	4E-7
Cobalt	ND	ND	ND	ND	4E-5	1E-4	1E-4	3E-4	ND	ND	ND	ND
Copper	1E-6	5E-6	1E-5	2E-5	8E-4	3E-3	4E-3	1E-2	9E-7	4E-6	5E-6	2E-5
Lead	6E-4	3E-3	5E-3	1E-2	5E-4	5E-2	5E-2	3E-1	5E-4	9E-3	9E-3	3E-2
Manganese	1E-7	5E-7	8E-7	2E-6	6E-6	2E-5	3E-5	8E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	8E-3	2E-1	2E-1	4E-1	ND	ND	ND	ND
Mercury (total)	4E-2	1E-1	2E-1	3E-1	4E-2	***1E+0***	***1E+0***	***1E+0***	1E-2	3E-1	3E-1	4E-1
Nickel	6E-7	4E-6	7E-6	2E-5	3E-4	8E-4	2E-3	3E-3	8E-7	2E-6	5E-6	9E-6
Selenium	5E-6	2E-4	3E-4	7E-4	2E-3	3E-2	3E-2	2E-1	ND	ND	ND	ND
Silver	ND	ND	ND	ND	6E-4	9E-4	1E-3	2E-2	1E-7	2E-7	2E-7	5E-6

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-3	1E-2	2E-2	6E-2	1E-3	3E-2	3E-2	7E-2	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	8E-6	4E-5	4E-4	4E-4	5E-4	1E-6	1E-5	1E-5	2E-5
Arsenic	6E-7	5E-6	8E-6	2E-5	9E-6	5E-5	5E-5	1E-3	3E-7	2E-6	2E-6	4E-5
Barium	8E-6	1E-4	3E-4	9E-4	2E-4	3E-4	8E-4	2E-2	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	9E-6	9E-5	9E-5	8E-4	ND	ND	ND	ND
Cadmium	2E-4	6E-4	1E-3	2E-3	2E-4	7E-3	7E-3	7E-3	5E-5	2E-3	2E-3	2E-3
Chromium III	1E-5	5E-5	9E-5	2E-4	8E-7	1E-5	1E-5	3E-5	9E-5	2E-4	4E-4	7E-4
Chromium VI	3E-8	1E-7	2E-7	4E-7	1E-4	6E-4	6E-4	6E-4	7E-8	4E-7	4E-7	4E-7
Cobalt	ND	ND	ND	ND	4E-5	1E-4	1E-4	3E-4	ND	ND	ND	ND
Copper	1E-6	5E-6	1E-5	2E-5	8E-4	3E-3	4E-3	1E-2	9E-7	4E-6	5E-6	2E-5
Lead	4E-4	1E-3	2E-3	5E-3	5E-4	2E-2	2E-2	7E-2	6E-4	4E-3	4E-3	2E-2
Manganese	1E-7	5E-7	8E-7	2E-6	6E-6	2E-5	3E-5	8E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	8E-3	5E-2	7E-2	1E-1	ND	ND	ND	ND
Mercury (total)	1E-2	5E-2	7E-2	1E-1	4E-2	2E-1	4E-1	4E-1	1E-2	6E-2	1E-1	1E-1
Nickel	6E-7	4E-6	7E-6	2E-5	3E-4	8E-4	2E-3	3E-3	8E-7	2E-6	5E-6	9E-6
Selenium	5E-6	2E-4	3E-4	7E-4	2E-3	3E-2	3E-2	2E-1	ND	ND	ND	ND
Silver	ND	ND	ND	ND	6E-4	9E-4	1E-3	2E-2	1E-7	2E-7	2E-7	5E-6

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A15. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Area Source Cement Kilns

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	8E-4	1E-2	3E-2	9E-2	5E-4	1E-3	6E-3	4E-2	ND	ND	ND	ND
Antimony	1E-7	4E-7	5E-7	1E-6	1E-5	1E-5	8E-5	8E-5	4E-7	4E-7	2E-6	2E-6
Arsenic	2E-7	8E-7	2E-6	6E-6	6E-7	1E-5	2E-5	3E-5	2E-8	5E-7	5E-7	8E-7
Barium	2E-6	9E-6	1E-5	5E-5	1E-5	6E-5	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	2E-5	3E-5	4E-5	ND	ND	ND	ND
Cadmium	9E-6	2E-3	4E-3	1E-2	3E-6	4E-5	5E-3	8E-3	8E-7	1E-5	1E-3	2E-3
Chromium III	4E-6	7E-5	1E-4	4E-4	3E-8	2E-7	6E-7	9E-6	7E-6	8E-6	9E-5	3E-4
Chromium VI	2E-8	8E-8	1E-7	3E-7	2E-5	2E-5	1E-4	1E-4	1E-8	1E-8	8E-8	8E-8
Cobalt	ND	ND	ND	ND	3E-5	3E-5	6E-5	6E-5	ND	ND	ND	ND
Copper	7E-7	3E-6	5E-6	2E-5	6E-4	1E-3	2E-3	2E-3	7E-7	1E-6	3E-6	3E-6
Lead	3E-5	1E-3	2E-3	9E-3	2E-5	1E-4	5E-4	1E-2	4E-5	5E-5	5E-4	5E-3
Manganese	2E-8	3E-7	3E-7	1E-6	7E-8	1E-6	4E-6	8E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2E-1	2E-1	2E-1	2E-1	ND	ND	ND	ND
Mercury (total)	1E-1	3E-1	3E-1	6E-1	1E+0	1E+0	***1E+0***	***1E+0***	3E-1	3E-1	3E-1	3E-1
Nickel	5E-7	6E-6	9E-6	2E-5	2E-5	3E-4	9E-4	2E-3	6E-8	8E-7	2E-6	4E-6
Selenium	1E-6	6E-6	9E-6	3E-5	9E-4	1E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	4E-5	6E-4	7E-3	1E-2	8E-9	1E-7	1E-6	3E-6

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	8E-4	1E-2	2E-2	6E-2	5E-4	1E-3	6E-3	2E-2	ND	ND	ND	ND
Antimony	1E-7	4E-7	5E-7	1E-6	1E-5	1E-5	8E-5	8E-5	4E-7	4E-7	2E-6	2E-6
Arsenic	2E-7	8E-7	2E-6	6E-6	6E-7	1E-5	2E-5	3E-5	2E-8	5E-7	5E-7	8E-7
Barium	2E-6	9E-6	1E-5	5E-5	1E-5	6E-5	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	2E-5	3E-5	4E-5	ND	ND	ND	ND
Cadmium	9E-6	7E-4	1E-3	5E-3	3E-6	4E-5	2E-3	3E-3	8E-7	1E-5	4E-4	7E-4
Chromium III	4E-6	7E-5	1E-4	4E-4	3E-8	2E-7	6E-7	9E-6	7E-6	8E-6	9E-5	3E-4
Chromium VI	2E-8	8E-8	1E-7	3E-7	2E-5	2E-5	1E-4	1E-4	1E-8	1E-8	8E-8	8E-8
Cobalt	ND	ND	ND	ND	3E-5	3E-5	6E-5	6E-5	ND	ND	ND	ND
Copper	7E-7	3E-6	5E-6	2E-5	6E-4	1E-3	2E-3	2E-3	7E-7	1E-6	3E-6	3E-6
Lead	3E-5	5E-4	9E-4	3E-3	2E-5	1E-4	5E-4	5E-3	4E-5	5E-5	5E-4	2E-3
Manganese	2E-8	3E-7	3E-7	1E-6	7E-8	1E-6	4E-6	8E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	5E-2	5E-2	8E-2	8E-2	ND	ND	ND	ND
Mercury (total)	3E-2	5E-2	6E-2	1E-1	2E-1	2E-1	3E-1	4E-1	6E-2	6E-2	9E-2	1E-1
Nickel	5E-7	6E-6	9E-6	2E-5	2E-5	3E-4	9E-4	2E-3	6E-8	8E-7	2E-6	4E-6
Selenium	1E-6	6E-6	9E-6	3E-5	9E-4	1E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	4E-5	6E-4	7E-3	1E-2	8E-9	1E-7	1E-6	3E-6

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A16. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Lightweight Aggregate Kilns

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	1E-2	4E-2	8E-2	2E-1	1E-2	5E-2	7E-2	8E-2	ND	ND	ND	ND
Antimony	3E-8	6E-7	1E-6	5E-6	4E-6	3E-5	3E-5	3E-4	1E-7	9E-7	1E-6	8E-6
Arsenic	7E-7	3E-6	5E-6	2E-5	3E-6	1E-4	1E-4	1E-4	1E-7	4E-6	4E-6	4E-6
Barium	1E-6	9E-6	2E-5	6E-5	1E-6	1E-4	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	4E-7	2E-5	7E-5	7E-5	ND	ND	ND	ND
Cadmium	6E-5	5E-4	9E-4	3E-3	2E-5	8E-4	1E-3	1E-3	4E-6	2E-4	3E-4	3E-4
Chromium III	6E-6	4E-5	5E-5	2E-4	2E-7	2E-6	3E-6	3E-6	1E-5	1E-4	1E-4	1E-4
Chromium VI	1E-8	9E-8	2E-7	5E-7	2E-7	5E-5	1E-4	3E-4	2E-10	3E-8	8E-8	2E-7
Cobalt	ND	ND	ND	ND	3E-6	2E-5	2E-5	4E-5	ND	ND	ND	ND
Copper	4E-7	1E-6	2E-6	7E-6	1E-4	6E-4	9E-4	1E-3	1E-7	7E-7	1E-6	2E-6
Lead	7E-5	5E-4	9E-4	3E-3	5E-6	2E-3	4E-3	1E-2	1E-5	1E-3	2E-3	5E-3
Manganese	4E-8	2E-7	3E-7	9E-7	8E-7	6E-6	6E-6	9E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-3	7E-2	7E-2	7E-2	ND	ND	ND	ND
Mercury (total)	6E-3	4E-2	6E-2	1E-1	4E-2	3E-1	3E-1	3E-1	2E-2	1E-1	1E-1	1E-1
Nickel	2E-7	5E-6	8E-6	3E-5	3E-4	1E-3	1E-3	1E-3	9E-7	3E-6	3E-6	3E-6
Selenium	3E-7	2E-6	3E-6	1E-5	1E-4	1E-3	1E-3	1E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	3E-4	3E-4	3E-4	3E-9	5E-8	6E-8	6E-8

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	2E-3	1E-2	3E-2	9E-2	5E-3	1E-2	2E-2	2E-2	ND	ND	ND	ND
Antimony	3E-8	6E-7	1E-6	5E-6	4E-6	3E-5	3E-5	3E-4	1E-7	9E-7	1E-6	8E-6
Arsenic	7E-7	3E-6	5E-6	2E-5	3E-6	1E-4	1E-4	1E-4	1E-7	4E-6	4E-6	4E-6
Barium	1E-6	9E-6	2E-5	6E-5	1E-6	1E-4	2E-4	2E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	4E-7	2E-5	7E-5	7E-5	ND	ND	ND	ND
Cadmium	3E-5	2E-4	4E-4	1E-3	3E-5	4E-4	1E-3	1E-3	7E-6	9E-5	3E-4	3E-4
Chromium III	6E-6	4E-5	5E-5	2E-4	2E-7	2E-6	3E-6	3E-6	1E-5	1E-4	1E-4	1E-4
Chromium VI	1E-8	9E-8	2E-7	5E-7	2E-7	5E-5	1E-4	3E-4	2E-10	3E-8	8E-8	2E-7
Cobalt	ND	ND	ND	ND	3E-6	2E-5	2E-5	4E-5	ND	ND	ND	ND
Copper	4E-7	1E-6	2E-6	7E-6	1E-4	6E-4	9E-4	1E-3	1E-7	7E-7	1E-6	2E-6
Lead	4E-5	2E-4	3E-4	1E-3	5E-6	1E-3	3E-3	6E-3	1E-5	1E-3	2E-3	2E-3
Manganese	4E-8	2E-7	3E-7	9E-7	8E-7	6E-6	6E-6	9E-6	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2E-3	2E-2	2E-2	2E-2	ND	ND	ND	ND
Mercury (total)	4E-3	2E-2	2E-2	3E-2	1E-2	5E-2	5E-2	8E-2	4E-3	2E-2	2E-2	2E-2
Nickel	2E-7	5E-6	8E-6	3E-5	3E-4	1E-3	1E-3	1E-3	9E-7	3E-6	3E-6	3E-6
Selenium	3E-7	2E-6	3E-6	1E-5	1E-4	1E-3	1E-3	1E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	3E-4	3E-4	3E-4	3E-9	5E-8	6E-8	6E-8

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A17. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): All Incinerators (including WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	1E-4	8E-3	2E-2	6E-2	2E-4	6E-2	6E-2	1E-1	ND	ND	ND	ND
Antimony	1E-9	7E-7	2E-6	1E-5	4E-7	5E-5	4E-4	8E-4	1E-8	2E-6	1E-5	2E-5
Arsenic	7E-8	2E-6	6E-6	2E-5	2E-6	7E-5	4E-4	9E-4	6E-8	2E-6	1E-5	3E-5
Barium	9E-8	2E-6	5E-6	2E-5	3E-6	3E-5	2E-4	3E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	8E-6	1E-5	3E-5	ND	ND	ND	ND
Cadmium	2E-6	1E-4	2E-4	8E-4	1E-5	7E-4	2E-3	4E-3	3E-6	2E-4	5E-4	1E-3
Chromium III	9E-7	1E-5	2E-5	8E-5	1E-7	4E-6	5E-6	2E-5	1E-5	4E-5	1E-4	1E-3
Chromium VI	6E-9	1E-7	3E-7	1E-6	3E-5	1E-4	2E-3	2E-3	3E-8	8E-8	1E-6	2E-6
Cobalt	ND	ND	ND	ND	2E-6	1E-5	2E-5	1E-4	ND	ND	ND	ND
Copper	2E-7	2E-6	3E-6	2E-5	3E-4	2E-3	4E-3	3E-2	3E-7	2E-6	4E-6	3E-5
Lead	3E-6	1E-4	3E-4	1E-3	3E-5	3E-3	4E-3	3E-2	3E-5	3E-4	1E-3	1E-2
Manganese	2E-8	1E-7	3E-7	1E-6	2E-6	1E-5	2E-5	2E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	8E-4	6E-2	6E-2	ND	ND	ND	ND
Mercury (total)	1E-4	4E-3	1E-2	1E-1	2E-5	2E-2	3E-1	3E-1	9E-7	1E-3	9E-2	9E-2
Nickel	3E-8	7E-7	1E-6	6E-6	5E-5	5E-4	1E-3	5E-3	1E-7	1E-6	3E-6	1E-5
Selenium	8E-8	1E-6	3E-6	2E-5	1E-5	7E-4	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	5E-4	7E-4	5E-3	3E-9	1E-7	1E-7	9E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	1E-4	1E-3	2E-3	7E-3	2E-4	3E-3	4E-3	5E-2	ND	ND	ND	ND
Antimony	1E-9	7E-7	2E-6	1E-5	4E-7	5E-5	4E-4	8E-4	1E-8	2E-6	1E-5	2E-5
Arsenic	7E-8	2E-6	4E-6	1E-5	2E-6	7E-5	3E-4	9E-4	6E-8	2E-6	1E-5	3E-5
Barium	9E-8	2E-6	5E-6	2E-5	3E-6	3E-5	2E-4	3E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	5E-6	1E-5	3E-5	ND	ND	ND	ND
Cadmium	2E-6	1E-4	2E-4	8E-4	1E-5	7E-4	2E-3	4E-3	2E-6	2E-4	5E-4	1E-3
Chromium III	8E-7	1E-5	2E-5	8E-5	1E-7	4E-6	5E-6	2E-5	1E-5	4E-5	1E-4	1E-3
Chromium VI	5E-9	1E-7	3E-7	1E-6	2E-5	1E-4	2E-3	2E-3	1E-8	8E-8	1E-6	2E-6
Cobalt	ND	ND	ND	ND	2E-6	1E-5	2E-5	1E-4	ND	ND	ND	ND
Copper	2E-7	2E-6	3E-6	2E-5	3E-4	2E-3	4E-3	3E-2	3E-7	2E-6	4E-6	3E-5
Lead	3E-6	1E-4	2E-4	9E-4	3E-5	3E-3	4E-3	3E-2	3E-5	2E-4	1E-3	1E-2
Manganese	2E-8	1E-7	3E-7	1E-6	2E-6	1E-5	2E-5	2E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	5E-7	2E-4	7E-3	7E-3	ND	ND	ND	ND
Mercury (total)	2E-5	2E-3	3E-3	1E-2	2E-5	4E-3	3E-2	3E-2	9E-7	4E-4	8E-3	8E-3
Nickel	3E-8	7E-7	1E-6	6E-6	5E-5	5E-4	1E-3	5E-3	1E-7	1E-6	3E-6	1E-5
Selenium	8E-8	1E-6	3E-6	2E-5	1E-5	7E-4	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	5E-4	7E-4	5E-3	3E-9	1E-7	1E-7	9E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A18. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Area Source Incinerators

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-5	9E-3	2E-2	6E-2	4E-4	8E-3	8E-3	3E-2	ND	ND	ND	ND
Antimony	3E-9	1E-6	4E-6	1E-5	3E-6	4E-4	4E-4	7E-4	8E-8	1E-5	1E-5	2E-5
Arsenic	1E-8	9E-6	1E-5	5E-5	3E-6	7E-4	7E-4	7E-4	9E-8	2E-5	2E-5	2E-5
Barium	9E-8	3E-6	6E-6	2E-5	7E-6	8E-4	8E-4	8E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	2E-5	2E-5	2E-5	ND	ND	ND	ND
Cadmium	1E-6	4E-5	1E-4	6E-4	3E-5	2E-3	2E-3	2E-3	7E-6	5E-4	5E-4	5E-4
Chromium III	2E-7	1E-5	2E-5	8E-5	4E-7	2E-5	2E-5	2E-5	1E-5	4E-4	4E-4	4E-4
Chromium VI	2E-9	2E-8	3E-8	1E-7	8E-6	4E-5	1E-4	1E-4	6E-9	3E-8	7E-8	7E-8
Cobalt	ND	ND	ND	ND	5E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	2E-7	4E-6	7E-6	3E-5	1E-4	4E-2	4E-2	4E-2	1E-7	4E-5	4E-5	4E-5
Lead	3E-6	2E-4	4E-4	2E-3	5E-4	3E-2	3E-2	3E-2	3E-4	5E-3	5E-3	5E-3
Manganese	3E-8	3E-7	5E-7	2E-6	6E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-5	1E-4	5E-4	3E-2	ND	ND	ND	ND
Mercury (total)	1E-5	4E-3	2E-2	5E-2	9E-4	3E-3	3E-3	8E-2	9E-6	6E-5	6E-4	2E-2
Nickel	2E-8	1E-6	2E-6	1E-5	3E-5	4E-3	4E-3	4E-3	7E-8	9E-6	9E-6	9E-6
Selenium	2E-8	1E-6	3E-6	9E-6	2E-5	2E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	1E-3	1E-3	1E-3	3E-9	2E-7	2E-7	2E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-5	9E-4	1E-3	6E-3	4E-4	1E-3	2E-3	2E-3	ND	ND	ND	ND
Antimony	3E-9	1E-6	4E-6	1E-5	3E-6	4E-4	4E-4	7E-4	8E-8	1E-5	1E-5	2E-5
Arsenic	1E-8	3E-6	7E-6	3E-5	3E-6	7E-4	7E-4	7E-4	9E-8	2E-5	2E-5	2E-5
Barium	9E-8	3E-6	6E-6	2E-5	7E-6	8E-4	8E-4	8E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	2E-5	2E-5	ND	ND	ND	ND
Cadmium	1E-6	3E-5	1E-4	6E-4	9E-6	2E-3	2E-3	2E-3	2E-6	5E-4	5E-4	5E-4
Chromium III	2E-7	1E-5	1E-5	7E-5	1E-7	2E-5	2E-5	2E-5	2E-6	4E-4	4E-4	4E-4
Chromium VI	2E-9	1E-8	2E-8	7E-8	7E-6	2E-5	1E-4	1E-4	5E-9	2E-8	7E-8	7E-8
Cobalt	ND	ND	ND	ND	5E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	2E-7	4E-6	7E-6	3E-5	1E-4	4E-2	4E-2	4E-2	1E-7	4E-5	4E-5	4E-5
Lead	3E-6	1E-4	3E-4	8E-4	4E-4	3E-2	3E-2	3E-2	6E-5	5E-3	5E-3	5E-3
Manganese	3E-8	3E-7	5E-7	2E-6	6E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-5	2E-5	7E-5	8E-4	ND	ND	ND	ND
Mercury (total)	7E-6	2E-4	2E-3	5E-3	1E-4	2E-4	2E-3	1E-2	9E-6	5E-5	6E-5	3E-3
Nickel	2E-8	1E-6	2E-6	1E-5	3E-5	4E-3	4E-3	4E-3	7E-8	9E-6	9E-6	9E-6
Selenium	2E-8	1E-6	3E-6	9E-6	2E-5	2E-3	2E-3	3E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	1E-3	1E-3	1E-3	3E-9	2E-7	2E-7	2E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A19. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Commercial Incinerators (including WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-3	2E-2	4E-2	1E-1	2E-3	2E-2	3E-2	1E-1	ND	ND	ND	ND
Antimony	2E-8	3E-6	9E-6	3E-5	2E-5	6E-4	6E-4	9E-4	6E-7	2E-5	2E-5	3E-5
Arsenic	5E-7	1E-5	2E-5	1E-4	1E-5	9E-4	9E-4	9E-4	3E-7	3E-5	3E-5	3E-5
Barium	5E-7	6E-6	1E-5	4E-5	7E-6	8E-4	1E-3	1E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	8E-6	2E-5	2E-5	3E-5	ND	ND	ND	ND
Cadmium	8E-6	1E-4	2E-4	7E-4	4E-5	2E-3	2E-3	2E-3	9E-6	4E-4	5E-4	5E-4
Chromium III	2E-6	2E-5	3E-5	1E-4	4E-7	2E-5	2E-5	2E-5	1E-5	2E-4	4E-4	4E-4
Chromium VI	3E-9	3E-8	6E-8	2E-7	9E-6	4E-5	4E-5	6E-5	7E-9	3E-8	3E-8	5E-8
Cobalt	ND	ND	ND	ND	5E-7	7E-5	1E-4	1E-4	ND	ND	ND	ND
Copper	9E-7	7E-6	1E-5	5E-5	1E-4	2E-2	2E-2	2E-2	1E-7	2E-5	2E-5	2E-5
Lead	3E-5	3E-4	6E-4	3E-3	1E-4	3E-2	8E-2	8E-2	5E-5	5E-3	6E-3	6E-3
Manganese	9E-8	5E-7	8E-7	3E-6	6E-7	8E-5	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	3E-5	7E-4	1E-3	3E-2	ND	ND	ND	ND
Mercury (total)	7E-4	1E-2	2E-2	6E-2	1E-3	5E-3	5E-3	8E-2	4E-5	1E-3	1E-3	2E-2
Nickel	6E-8	2E-6	3E-6	1E-5	7E-6	3E-3	4E-3	4E-3	2E-8	7E-6	9E-6	9E-6
Selenium	2E-7	3E-6	4E-6	1E-5	3E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	1E-3	3E-3	3E-3	3E-9	2E-7	7E-7	7E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-4	2E-3	3E-3	9E-3	8E-4	2E-3	2E-3	1E-2	ND	ND	ND	ND
Antimony	2E-8	3E-6	9E-6	3E-5	2E-5	6E-4	6E-4	9E-4	6E-7	2E-5	2E-5	3E-5
Arsenic	5E-7	6E-6	1E-5	5E-5	1E-5	9E-4	9E-4	9E-4	3E-7	3E-5	3E-5	3E-5
Barium	5E-7	6E-6	1E-5	4E-5	7E-6	8E-4	1E-3	1E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	2E-5	3E-5	ND	ND	ND	ND
Cadmium	4E-6	1E-4	2E-4	7E-4	9E-6	2E-3	2E-3	2E-3	2E-6	4E-4	5E-4	5E-4
Chromium III	2E-6	1E-5	3E-5	1E-4	1E-7	2E-5	2E-5	2E-5	4E-6	2E-4	4E-4	4E-4
Chromium VI	3E-9	2E-8	3E-8	8E-8	5E-6	2E-5	2E-5	6E-5	4E-9	2E-8	2E-8	5E-8
Cobalt	ND	ND	ND	ND	5E-7	7E-5	1E-4	1E-4	ND	ND	ND	ND
Copper	9E-7	7E-6	1E-5	5E-5	1E-4	2E-2	2E-2	2E-2	1E-7	2E-5	2E-5	2E-5
Lead	3E-5	2E-4	4E-4	1E-3	1E-4	3E-2	8E-2	8E-2	5E-5	5E-3	6E-3	6E-3
Manganese	9E-8	5E-7	8E-7	3E-6	6E-7	8E-5	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2E-6	7E-5	1E-4	8E-4	ND	ND	ND	ND
Mercury (total)	6E-5	2E-3	2E-3	6E-3	2E-4	5E-4	7E-4	1E-2	5E-6	1E-4	2E-4	3E-3
Nickel	6E-8	2E-6	3E-6	1E-5	7E-6	3E-3	4E-3	4E-3	2E-8	7E-6	9E-6	9E-6
Selenium	2E-7	3E-6	4E-6	1E-5	3E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	1E-3	3E-3	3E-3	3E-9	2E-7	7E-7	7E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A20. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Large Onsite Incinerators (including WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-4	1E-2	2E-2	6E-2	1E-2	7E-2	1E-1	1E-1	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	1E-5	2E-5	5E-4	8E-4	2E-3	7E-7	2E-5	2E-5	5E-5
Arsenic	4E-7	4E-6	6E-6	2E-5	1E-5	3E-4	5E-4	8E-4	5E-7	1E-5	2E-5	3E-5
Barium	2E-7	4E-6	8E-6	3E-5	1E-5	2E-4	2E-3	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	1E-5	3E-5	2E-4	ND	ND	ND	ND
Cadmium	3E-5	3E-4	4E-4	1E-3	6E-5	3E-3	4E-3	5E-3	2E-5	8E-4	9E-4	1E-3
Chromium III	4E-6	2E-5	4E-5	1E-4	2E-6	6E-6	1E-5	1E-5	4E-5	3E-4	5E-4	1E-3
Chromium VI	4E-8	4E-7	8E-7	3E-6	6E-5	2E-3	2E-3	2E-3	5E-8	1E-6	2E-6	2E-6
Cobalt	ND	ND	ND	ND	3E-6	2E-5	2E-5	8E-5	ND	ND	ND	ND
Copper	4E-7	2E-6	4E-6	1E-5	6E-4	3E-3	4E-3	2E-2	7E-7	3E-6	4E-6	2E-5
Lead	5E-5	3E-4	4E-4	2E-3	2E-3	1E-2	2E-2	2E-2	1E-4	6E-3	6E-3	9E-3
Manganese	4E-8	2E-7	3E-7	1E-6	4E-6	2E-5	2E-5	9E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-6	3E-2	3E-2	3E-2	ND	ND	ND	ND
Mercury (total)	3E-4	6E-3	5E-2	1E-1	1E-3	2E-1	2E-1	2E-1	7E-5	4E-2	4E-2	4E-2
Nickel	2E-7	2E-6	3E-6	1E-5	3E-4	1E-3	3E-3	5E-3	8E-7	3E-6	8E-6	1E-5
Selenium	2E-7	4E-6	8E-6	3E-5	1E-4	2E-3	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	3E-5	3E-4	4E-4	1E-1	7E-9	6E-8	8E-8	2E-5

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-4	2E-3	5E-3	1E-2	3E-3	8E-3	3E-2	6E-2	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	1E-5	2E-5	5E-4	8E-4	2E-3	7E-7	2E-5	2E-5	5E-5
Arsenic	4E-7	4E-6	6E-6	2E-5	1E-5	3E-4	5E-4	8E-4	5E-7	1E-5	2E-5	3E-5
Barium	2E-7	4E-6	8E-6	3E-5	1E-5	2E-4	2E-3	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2E-6	1E-5	3E-5	2E-4	ND	ND	ND	ND
Cadmium	3E-5	3E-4	4E-4	1E-3	6E-5	3E-3	4E-3	5E-3	2E-5	8E-4	9E-4	1E-3
Chromium III	4E-6	2E-5	4E-5	1E-4	2E-6	6E-6	1E-5	1E-5	4E-5	3E-4	5E-4	1E-3
Chromium VI	4E-8	4E-7	8E-7	3E-6	6E-5	2E-3	2E-3	2E-3	5E-8	1E-6	2E-6	2E-6
Cobalt	ND	ND	ND	ND	3E-6	2E-5	2E-5	8E-5	ND	ND	ND	ND
Copper	4E-7	2E-6	4E-6	1E-5	6E-4	3E-3	4E-3	2E-2	7E-7	3E-6	4E-6	2E-5
Lead	5E-5	3E-4	4E-4	2E-3	2E-3	1E-2	2E-2	2E-2	1E-4	6E-3	6E-3	9E-3
Manganese	4E-8	2E-7	3E-7	1E-6	4E-6	2E-5	2E-5	9E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1E-6	5E-3	5E-3	5E-3	ND	ND	ND	ND
Mercury (total)	6E-5	2E-3	8E-3	2E-2	5E-4	2E-2	2E-2	2E-2	1E-5	5E-3	5E-3	5E-3
Nickel	2E-7	2E-6	3E-6	1E-5	3E-4	1E-3	3E-3	5E-3	8E-7	3E-6	8E-6	1E-5
Selenium	2E-7	4E-6	8E-6	3E-5	1E-4	2E-3	3E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	3E-5	3E-4	4E-4	1E-1	7E-9	6E-8	8E-8	2E-5

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A21. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Small Onsite Incinerators (including WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-5	2E-3	7E-3	4E-2	2E-4	1E-2	2E-2	5E-2	ND	ND	ND	ND
Antimony	3E-10	6E-9	1E-8	5E-8	4E-8	3E-6	7E-6	1E-5	1E-9	9E-8	2E-7	4E-7
Arsenic	1E-8	3E-7	6E-7	2E-6	1E-7	2E-6	7E-6	2E-5	4E-9	6E-8	2E-7	6E-7
Barium	3E-8	4E-7	9E-7	3E-6	6E-7	5E-6	4E-5	4E-5	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	2E-6	2E-6	5E-6	ND	ND	ND	ND
Cadmium	1E-6	6E-6	1E-5	4E-5	2E-6	2E-5	3E-5	7E-4	4E-7	5E-6	7E-6	2E-4
Chromium III	3E-7	3E-6	6E-6	2E-5	1E-7	1E-6	3E-6	3E-6	4E-6	2E-5	2E-5	3E-5
Chromium VI	2E-9	2E-8	4E-8	1E-7	2E-6	1E-4	1E-4	1E-3	2E-9	7E-8	7E-8	1E-6
Cobalt	ND	ND	ND	ND	1E-7	4E-6	5E-6	1E-5	ND	ND	ND	ND
Copper	9E-8	5E-7	9E-7	3E-6	2E-5	9E-4	1E-3	4E-3	3E-8	1E-6	1E-6	4E-6
Lead	1E-6	5E-6	1E-5	3E-5	3E-5	4E-4	5E-4	2E-3	9E-6	4E-5	6E-5	4E-4
Manganese	8E-9	4E-8	8E-8	3E-7	1E-7	5E-6	6E-6	1E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-7	1E-5	9E-5	3E-3	ND	ND	ND	ND
Mercury (total)	3E-5	3E-3	7E-3	2E-2	8E-7	2E-4	2E-3	2E-2	6E-7	7E-6	5E-4	6E-3
Nickel	6E-9	9E-8	2E-7	7E-7	3E-6	1E-4	1E-4	3E-4	7E-9	3E-7	4E-7	8E-7
Selenium	2E-8	3E-7	4E-7	2E-6	2E-6	7E-4	7E-4	5E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	8E-6	7E-4	7E-4	1E-3	2E-9	1E-7	1E-7	3E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-5	4E-4	7E-4	3E-3	2E-4	9E-4	1E-3	2E-3	ND	ND	ND	ND
Antimony	3E-10	6E-9	1E-8	5E-8	4E-8	3E-6	7E-6	1E-5	1E-9	9E-8	2E-7	4E-7
Arsenic	1E-8	3E-7	6E-7	2E-6	1E-7	2E-6	7E-6	2E-5	4E-9	6E-8	2E-7	6E-7
Barium	3E-8	4E-7	9E-7	3E-6	6E-7	5E-6	4E-5	4E-5	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	2E-6	2E-6	5E-6	ND	ND	ND	ND
Cadmium	1E-6	6E-6	1E-5	4E-5	2E-6	2E-5	3E-5	7E-4	4E-7	5E-6	7E-6	2E-4
Chromium III	3E-7	3E-6	6E-6	2E-5	1E-7	1E-6	3E-6	3E-6	4E-6	2E-5	2E-5	3E-5
Chromium VI	2E-9	2E-8	4E-8	1E-7	2E-6	1E-4	1E-4	1E-3	2E-9	7E-8	7E-8	1E-6
Cobalt	ND	ND	ND	ND	1E-7	4E-6	5E-6	1E-5	ND	ND	ND	ND
Copper	9E-8	5E-7	9E-7	3E-6	2E-5	9E-4	1E-3	4E-3	3E-8	1E-6	1E-6	4E-6
Lead	1E-6	5E-6	1E-5	3E-5	3E-5	4E-4	5E-4	2E-3	9E-6	4E-5	6E-5	4E-4
Manganese	8E-9	4E-8	8E-8	3E-7	1E-7	5E-6	6E-6	1E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	5E-7	1E-5	8E-5	2E-3	ND	ND	ND	ND
Mercury (total)	9E-6	2E-3	2E-3	6E-3	2E-6	9E-5	8E-4	1E-2	6E-7	7E-6	1E-4	3E-3
Nickel	6E-9	9E-8	2E-7	7E-7	3E-6	1E-4	1E-4	3E-4	7E-9	3E-7	4E-7	8E-7
Selenium	2E-8	3E-7	4E-7	2E-6	2E-6	7E-4	7E-4	5E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	8E-6	7E-4	7E-4	1E-3	2E-9	1E-7	1E-7	3E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A22. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Waste Heat Boilers

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	7E-3	4E-2	6E-2	2E-1	6E-2	6E-2	1E-1	1E-1	ND	ND	ND	ND
Antimony	7E-9	7E-7	8E-7	4E-6	9E-7	9E-5	5E-4	5E-4	3E-8	3E-6	1E-5	1E-5
Arsenic	3E-8	3E-6	1E-5	3E-5	2E-6	2E-4	2E-4	2E-4	5E-8	6E-6	8E-6	8E-6
Barium	2E-7	1E-6	4E-6	2E-5	1E-5	2E-5	9E-4	9E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	1E-5	1E-5	1E-5	ND	ND	ND	ND
Cadmium	3E-6	1E-4	2E-4	8E-4	3E-5	8E-5	6E-4	5E-3	9E-6	2E-5	1E-4	1E-3
Chromium III	2E-6	7E-6	2E-5	6E-5	1E-6	3E-6	6E-6	6E-6	3E-5	4E-5	3E-4	3E-4
Chromium VI	1E-8	8E-8	2E-7	1E-6	4E-5	7E-5	1E-3	1E-3	3E-8	5E-8	1E-6	1E-6
Cobalt	ND	ND	ND	ND	3E-6	4E-6	2E-5	2E-5	ND	ND	ND	ND
Copper	3E-7	1E-6	3E-6	8E-6	6E-4	9E-4	4E-3	4E-3	7E-7	1E-6	4E-6	5E-6
Lead	4E-6	1E-4	2E-4	9E-4	2E-4	1E-3	4E-3	4E-3	6E-5	3E-4	9E-4	9E-4
Manganese	3E-8	2E-7	3E-7	1E-6	4E-6	5E-6	2E-5	2E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	9E-7	2E-4	4E-4	7E-3	ND	ND	ND	ND
Mercury (total)	9E-5	9E-3	2E-2	6E-2	9E-5	2E-3	8E-3	4E-2	9E-7	2E-4	1E-3	1E-2
Nickel	6E-8	6E-7	1E-6	4E-6	5E-5	1E-4	5E-4	1E-3	1E-7	4E-7	1E-6	3E-6
Selenium	1E-7	1E-6	2E-6	1E-5	1E-4	7E-4	2E-3	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	7E-4	7E-4	7E-4	3E-9	1E-7	1E-7	1E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-4	2E-3	3E-3	9E-3	3E-3	3E-3	5E-3	5E-3	ND	ND	ND	ND
Antimony	7E-9	7E-7	8E-7	4E-6	9E-7	9E-5	5E-4	5E-4	3E-8	3E-6	1E-5	1E-5
Arsenic	3E-8	1E-6	2E-6	7E-6	2E-6	3E-5	2E-4	2E-4	5E-8	9E-7	6E-6	6E-6
Barium	2E-7	1E-6	4E-6	2E-5	1E-5	2E-5	9E-4	9E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-6	1E-5	1E-5	ND	ND	ND	ND
Cadmium	2E-6	9E-5	2E-4	7E-4	3E-5	8E-5	6E-4	5E-3	9E-6	2E-5	1E-4	1E-3
Chromium III	1E-6	7E-6	1E-5	4E-5	1E-6	3E-6	6E-6	6E-6	3E-5	4E-5	3E-4	3E-4
Chromium VI	1E-8	7E-8	2E-7	9E-7	4E-5	7E-5	1E-3	1E-3	3E-8	5E-8	1E-6	1E-6
Cobalt	ND	ND	ND	ND	3E-6	4E-6	2E-5	2E-5	ND	ND	ND	ND
Copper	3E-7	1E-6	3E-6	8E-6	6E-4	9E-4	4E-3	4E-3	7E-7	1E-6	4E-6	5E-6
Lead	4E-6	5E-5	9E-5	3E-4	2E-4	6E-4	4E-3	4E-3	6E-5	7E-5	9E-4	9E-4
Manganese	3E-8	2E-7	3E-7	1E-6	4E-6	5E-6	2E-5	2E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	9E-7	1E-4	2E-4	2E-3	ND	ND	ND	ND
Mercury (total)	2E-5	2E-3	4E-3	1E-2	7E-5	6E-4	3E-3	1E-2	9E-7	2E-4	6E-4	3E-3
Nickel	6E-8	6E-7	1E-6	4E-6	5E-5	1E-4	5E-4	1E-3	1E-7	4E-7	1E-6	3E-6
Selenium	1E-7	1E-6	2E-6	1E-5	1E-4	7E-4	2E-3	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2E-5	7E-4	7E-4	7E-4	3E-9	1E-7	1E-7	1E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A23. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): All Incinerators (excluding WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	6E-5	1E-3	3E-3	1E-2	2E-4	9E-4	7E-3	5E-2	ND	ND	ND	ND
Antimony	1E-9	8E-7	2E-6	1E-5	3E-7	3E-5	2E-4	7E-4	8E-9	9E-7	5E-6	2E-5
Arsenic	8E-8	2E-6	4E-6	2E-5	1E-6	7E-5	3E-4	2E-3	4E-8	2E-6	1E-5	6E-5
Barium	8E-8	2E-6	5E-6	2E-5	8E-7	4E-5	2E-4	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	5E-6	1E-5	3E-5	ND	ND	ND	ND
Cadmium	2E-6	1E-4	2E-4	8E-4	4E-6	7E-4	2E-3	3E-3	1E-6	2E-4	5E-4	8E-4
Chromium III	7E-7	1E-5	2E-5	8E-5	1E-7	3E-6	3E-6	3E-5	4E-6	3E-5	1E-4	1E-3
Chromium VI	4E-9	1E-7	3E-7	1E-6	5E-6	1E-4	1E-3	2E-3	4E-9	8E-8	1E-6	1E-6
Cobalt	ND	ND	ND	ND	4E-7	1E-5	2E-5	1E-4	ND	ND	ND	ND
Copper	1E-7	2E-6	3E-6	2E-5	8E-5	2E-3	5E-3	4E-2	9E-8	2E-6	6E-6	4E-5
Lead	3E-6	1E-4	3E-4	1E-3	3E-5	3E-3	4E-3	8E-2	9E-6	3E-4	1E-3	2E-2
Manganese	1E-8	1E-7	3E-7	1E-6	5E-7	1E-5	2E-5	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	3E-7	1E-3	4E-2	4E-2	ND	ND	ND	ND
Mercury (total)	2E-4	3E-3	8E-3	9E-2	2E-5	2E-2	3E-1	3E-1	6E-7	3E-3	9E-2	9E-2
Nickel	2E-8	8E-7	2E-6	6E-6	4E-6	4E-4	9E-4	5E-3	1E-8	1E-6	2E-6	1E-5
Selenium	8E-8	1E-6	3E-6	2E-5	8E-6	4E-4	5E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	2E-4	1E-3	5E-3	3E-9	4E-8	2E-7	9E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	6E-5	1E-3	2E-3	7E-3	2E-4	8E-4	3E-3	5E-2	ND	ND	ND	ND
Antimony	1E-9	8E-7	2E-6	1E-5	3E-7	3E-5	2E-4	7E-4	8E-9	9E-7	5E-6	2E-5
Arsenic	8E-8	2E-6	4E-6	2E-5	1E-6	7E-5	3E-4	2E-3	4E-8	2E-6	1E-5	6E-5
Barium	8E-8	2E-6	5E-6	2E-5	8E-7	4E-5	2E-4	2E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-7	5E-6	1E-5	3E-5	ND	ND	ND	ND
Cadmium	2E-6	1E-4	2E-4	8E-4	4E-6	7E-4	2E-3	3E-3	1E-6	2E-4	5E-4	8E-4
Chromium III	7E-7	1E-5	2E-5	8E-5	1E-7	3E-6	3E-6	3E-5	4E-6	3E-5	1E-4	1E-3
Chromium VI	4E-9	1E-7	3E-7	1E-6	5E-6	1E-4	1E-3	2E-3	4E-9	8E-8	1E-6	1E-6
Cobalt	ND	ND	ND	ND	4E-7	1E-5	2E-5	1E-4	ND	ND	ND	ND
Copper	1E-7	2E-6	3E-6	2E-5	8E-5	2E-3	5E-3	4E-2	9E-8	2E-6	6E-6	4E-5
Lead	3E-6	1E-4	3E-4	1E-3	3E-5	3E-3	4E-3	8E-2	9E-6	3E-4	1E-3	2E-2
Manganese	1E-8	1E-7	3E-7	1E-6	5E-7	1E-5	2E-5	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	5E-7	7E-4	7E-3	7E-3	ND	ND	ND	ND
Mercury (total)	3E-5	2E-3	3E-3	9E-3	5E-6	6E-3	2E-2	2E-2	6E-7	2E-3	6E-3	6E-3
Nickel	2E-8	8E-7	2E-6	6E-6	4E-6	4E-4	9E-4	5E-3	1E-8	1E-6	2E-6	1E-5
Selenium	8E-8	1E-6	3E-6	2E-5	8E-6	4E-4	5E-3	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	2E-4	1E-3	5E-3	3E-9	4E-8	2E-7	9E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A24. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Commercial Incinerators (excluding WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	5E-4	4E-3	7E-3	2E-2	3E-4	6E-3	6E-3	3E-2	ND	ND	ND	ND
Antimony	3E-8	4E-6	9E-6	4E-5	7E-6	6E-4	9E-4	9E-4	2E-7	2E-5	3E-5	3E-5
Arsenic	3E-7	1E-5	1E-5	5E-5	3E-6	9E-4	9E-4	9E-4	1E-7	3E-5	3E-5	3E-5
Barium	1E-6	8E-6	2E-5	6E-5	1E-5	1E-3	1E-3	1E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	3E-5	3E-5	ND	ND	ND	ND
Cadmium	8E-6	2E-4	2E-4	8E-4	6E-6	2E-3	2E-3	2E-3	2E-6	5E-4	5E-4	5E-4
Chromium III	4E-6	2E-5	4E-5	1E-4	2E-7	2E-5	2E-5	2E-5	1E-5	4E-4	4E-4	4E-4
Chromium VI	2E-9	2E-8	2E-8	9E-8	1E-6	2E-5	2E-5	6E-5	1E-9	2E-8	2E-8	5E-8
Cobalt	ND	ND	ND	ND	5E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	2E-6	1E-5	2E-5	6E-5	1E-4	2E-2	2E-2	2E-2	1E-7	2E-5	2E-5	2E-5
Lead	3E-5	3E-4	6E-4	3E-3	5E-5	8E-2	8E-2	8E-2	1E-5	6E-3	6E-3	6E-3
Manganese	1E-7	6E-7	1E-6	5E-6	6E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-5	7E-4	1E-3	6E-3	ND	ND	ND	ND
Mercury (total)	9E-4	2E-2	2E-2	5E-2	1E-3	5E-3	5E-3	3E-2	4E-5	8E-4	1E-3	1E-2
Nickel	1E-7	3E-6	4E-6	1E-5	3E-5	4E-3	4E-3	4E-3	7E-8	9E-6	9E-6	9E-6
Selenium	3E-7	3E-6	7E-6	3E-5	1E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	3E-3	3E-3	3E-3	3E-9	7E-7	7E-7	7E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	4E-4	2E-3	3E-3	1E-2	3E-4	2E-3	2E-3	1E-2	ND	ND	ND	ND
Antimony	3E-8	4E-6	9E-6	4E-5	7E-6	6E-4	9E-4	9E-4	2E-7	2E-5	3E-5	3E-5
Arsenic	3E-7	1E-5	1E-5	5E-5	3E-6	9E-4	9E-4	9E-4	1E-7	3E-5	3E-5	3E-5
Barium	1E-6	8E-6	2E-5	6E-5	1E-5	1E-3	1E-3	1E-3	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1E-6	2E-5	3E-5	3E-5	ND	ND	ND	ND
Cadmium	8E-6	2E-4	2E-4	8E-4	6E-6	2E-3	2E-3	2E-3	2E-6	5E-4	5E-4	5E-4
Chromium III	4E-6	2E-5	4E-5	1E-4	2E-7	2E-5	2E-5	2E-5	1E-5	4E-4	4E-4	4E-4
Chromium VI	2E-9	2E-8	2E-8	9E-8	1E-6	2E-5	2E-5	6E-5	1E-9	2E-8	2E-8	5E-8
Cobalt	ND	ND	ND	ND	5E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Copper	2E-6	1E-5	2E-5	6E-5	1E-4	2E-2	2E-2	2E-2	1E-7	2E-5	2E-5	2E-5
Lead	3E-5	3E-4	6E-4	3E-3	5E-5	8E-2	8E-2	8E-2	1E-5	6E-3	6E-3	6E-3
Manganese	1E-7	6E-7	1E-6	5E-6	6E-7	1E-4	1E-4	1E-4	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2E-5	7E-5	1E-4	8E-4	ND	ND	ND	ND
Mercury (total)	1E-4	2E-3	2E-3	6E-3	1E-4	5E-4	7E-4	5E-3	9E-6	1E-4	1E-4	2E-3
Nickel	1E-7	3E-6	4E-6	1E-5	3E-5	4E-3	4E-3	4E-3	7E-8	9E-6	9E-6	9E-6
Selenium	3E-7	3E-6	7E-6	3E-5	1E-5	3E-3	3E-3	4E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1E-5	3E-3	3E-3	3E-3	3E-9	7E-7	7E-7	7E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A25. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Large Onsite Incinerators (excluding WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-4	3E-3	6E-3	2E-2	2E-4	3E-2	5E-2	1E-1	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	1E-5	2E-5	5E-4	5E-4	2E-3	7E-7	2E-5	2E-5	5E-5
Arsenic	5E-7	4E-6	7E-6	3E-5	5E-5	5E-4	8E-4	8E-4	2E-6	2E-5	3E-5	3E-5
Barium	2E-7	4E-6	5E-6	2E-5	8E-6	2E-4	2E-4	8E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	5E-6	3E-5	3E-5	7E-4	ND	ND	ND	ND
Cadmium	3E-5	2E-4	4E-4	1E-3	6E-4	3E-3	4E-3	4E-3	1E-4	8E-4	9E-4	9E-4
Chromium III	4E-6	2E-5	5E-5	1E-4	3E-6	5E-6	8E-6	1E-5	2E-5	3E-4	1E-3	1E-3
Chromium VI	5E-8	4E-7	8E-7	3E-6	4E-5	2E-3	2E-3	2E-3	3E-8	1E-6	1E-6	1E-6
Cobalt	ND	ND	ND	ND	2E-6	1E-5	5E-5	5E-5	ND	ND	ND	ND
Copper	4E-7	2E-6	4E-6	1E-5	3E-4	2E-3	9E-3	9E-3	3E-7	3E-6	1E-5	1E-5
Lead	5E-5	4E-4	5E-4	2E-3	3E-3	8E-3	1E-2	1E-2	1E-4	3E-3	9E-3	9E-3
Manganese	3E-8	1E-7	3E-7	1E-6	2E-6	1E-5	6E-5	6E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	6E-4	3E-2	3E-2	3E-2	ND	ND	ND	ND
Mercury (total)	3E-4	2E-3	5E-2	1E-1	3E-2	2E-1	2E-1	2E-1	6E-4	4E-2	4E-2	4E-2
Nickel	2E-7	2E-6	4E-6	1E-5	4E-4	1E-3	4E-3	5E-3	1E-6	3E-6	1E-5	1E-5
Selenium	2E-7	3E-6	1E-5	3E-5	3E-5	3E-3	2E-2	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	3E-5	3E-4	2E-3	1E-1	7E-9	6E-8	5E-7	2E-5

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	3E-4	2E-3	5E-3	1E-2	2E-4	2E-2	5E-2	8E-2	ND	ND	ND	ND
Antimony	1E-7	2E-6	3E-6	1E-5	2E-5	5E-4	5E-4	2E-3	7E-7	2E-5	2E-5	5E-5
Arsenic	5E-7	4E-6	7E-6	3E-5	5E-5	5E-4	8E-4	8E-4	2E-6	2E-5	3E-5	3E-5
Barium	2E-7	4E-6	5E-6	2E-5	8E-6	2E-4	2E-4	8E-4	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	5E-6	3E-5	3E-5	7E-4	ND	ND	ND	ND
Cadmium	3E-5	2E-4	4E-4	1E-3	6E-4	3E-3	4E-3	4E-3	1E-4	8E-4	9E-4	9E-4
Chromium III	4E-6	2E-5	5E-5	1E-4	3E-6	5E-6	8E-6	1E-5	2E-5	3E-4	1E-3	1E-3
Chromium VI	5E-8	4E-7	8E-7	3E-6	4E-5	2E-3	2E-3	2E-3	3E-8	1E-6	1E-6	1E-6
Cobalt	ND	ND	ND	ND	2E-6	1E-5	5E-5	5E-5	ND	ND	ND	ND
Copper	4E-7	2E-6	4E-6	1E-5	3E-4	2E-3	9E-3	9E-3	3E-7	3E-6	1E-5	1E-5
Lead	5E-5	4E-4	5E-4	2E-3	3E-3	8E-3	1E-2	1E-2	1E-4	3E-3	9E-3	9E-3
Manganese	3E-8	1E-7	3E-7	1E-6	2E-6	1E-5	6E-5	6E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	4E-4	5E-3	5E-3	5E-3	ND	ND	ND	ND
Mercury (total)	6E-5	2E-3	5E-3	1E-2	4E-3	1E-2	1E-2	1E-2	3E-4	4E-3	4E-3	4E-3
Nickel	2E-7	2E-6	4E-6	1E-5	4E-4	1E-3	4E-3	5E-3	1E-6	3E-6	1E-5	1E-5
Selenium	2E-7	3E-6	1E-5	3E-5	3E-5	3E-3	2E-2	3E-2	ND	ND	ND	ND
Silver	ND	ND	ND	ND	3E-5	3E-4	2E-3	1E-1	7E-9	6E-8	5E-7	2E-5

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-A26. Cumulative Frequency Distribution of Ecotoxicological Hazard Quotients (HQs): Small Onsite Incinerators (excluding WHB)

MACT Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	2E-5	3E-4	5E-4	2E-3	2E-4	3E-4	4E-4	1E-3	ND	ND	ND	ND
Antimony	1E-10	3E-9	5E-9	2E-8	4E-8	2E-6	2E-6	3E-6	1E-9	5E-8	7E-8	9E-8
Arsenic	1E-8	4E-7	7E-7	2E-6	2E-8	2E-6	1E-5	2E-5	7E-10	6E-8	4E-7	6E-7
Barium	2E-8	3E-7	7E-7	2E-6	2E-7	3E-6	4E-5	4E-5	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	7E-9	1E-7	3E-7	3E-6	ND	ND	ND	ND
Cadmium	1E-6	5E-6	8E-6	3E-5	2E-7	2E-5	3E-5	7E-4	5E-8	5E-6	7E-6	2E-4
Chromium III	2E-7	2E-6	4E-6	1E-5	9E-8	2E-7	6E-7	2E-6	3E-6	1E-5	1E-5	2E-5
Chromium VI	2E-9	1E-8	3E-8	1E-7	2E-6	1E-4	1E-4	9E-4	2E-9	7E-8	7E-8	7E-7
Cobalt	ND	ND	ND	ND	4E-8	2E-6	6E-6	1E-5	ND	ND	ND	ND
Copper	7E-8	4E-7	6E-7	3E-6	7E-6	4E-4	1E-3	4E-3	8E-9	4E-7	1E-6	4E-6
Lead	1E-6	5E-6	1E-5	3E-5	3E-5	5E-5	4E-4	2E-3	8E-6	3E-5	4E-5	4E-4
Manganese	6E-9	4E-8	5E-8	2E-7	4E-8	2E-6	7E-6	1E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	3E-7	1E-5	5E-5	3E-3	ND	ND	ND	ND
Mercury (total)	3E-5	3E-3	5E-3	2E-2	8E-7	2E-4	2E-3	1E-2	6E-7	7E-6	4E-4	3E-3
Nickel	5E-9	5E-8	9E-8	4E-7	3E-6	1E-4	1E-4	1E-4	7E-9	3E-7	3E-7	4E-7
Selenium	2E-8	3E-7	4E-7	2E-6	4E-7	2E-5	1E-4	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	8E-7	4E-5	2E-4	1E-3	1E-10	8E-9	3E-8	3E-7

MACT Beyond the Floor

	Cumulative Frequency											
	Soil				Surface Water				Sediment			
Constituent	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01	>0.50	>0.10	>0.05	>0.01
Dioxin	2E-5	3E-4	5E-4	2E-3	2E-4	3E-4	4E-4	1E-3	ND	ND	ND	ND
Antimony	1E-10	3E-9	5E-9	2E-8	4E-8	2E-6	2E-6	3E-6	1E-9	5E-8	7E-8	9E-8
Arsenic	1E-8	4E-7	7E-7	2E-6	2E-8	2E-6	1E-5	2E-5	7E-10	6E-8	4E-7	6E-7
Barium	2E-8	3E-7	7E-7	2E-6	2E-7	3E-6	4E-5	4E-5	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	7E-9	1E-7	3E-7	3E-6	ND	ND	ND	ND
Cadmium	1E-6	5E-6	8E-6	3E-5	2E-7	2E-5	3E-5	7E-4	5E-8	5E-6	7E-6	2E-4
Chromium III	2E-7	2E-6	4E-6	1E-5	9E-8	2E-7	6E-7	2E-6	3E-6	1E-5	1E-5	2E-5
Chromium VI	2E-9	1E-8	3E-8	1E-7	2E-6	1E-4	1E-4	9E-4	2E-9	7E-8	7E-8	7E-7
Cobalt	ND	ND	ND	ND	4E-8	2E-6	6E-6	1E-5	ND	ND	ND	ND
Copper	7E-8	4E-7	6E-7	3E-6	7E-6	4E-4	1E-3	4E-3	8E-9	4E-7	1E-6	4E-6
Lead	1E-6	5E-6	1E-5	3E-5	3E-5	5E-5	4E-4	2E-3	8E-6	3E-5	4E-5	4E-4
Manganese	6E-9	4E-8	5E-8	2E-7	4E-8	2E-6	7E-6	1E-5	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	5E-7	1E-5	2E-5	9E-4	ND	ND	ND	ND
Mercury (total)	7E-6	1E-3	2E-3	6E-3	2E-6	6E-5	6E-4	1E-2	6E-7	7E-6	9E-5	3E-3
Nickel	5E-9	5E-8	9E-8	4E-7	3E-6	1E-4	1E-4	1E-4	7E-9	3E-7	3E-7	4E-7
Selenium	2E-8	3E-7	4E-7	2E-6	4E-7	2E-5	1E-4	2E-3	ND	ND	ND	ND
Silver	ND	ND	ND	ND	8E-7	4E-5	2E-4	1E-3	1E-10	8E-9	3E-8	3E-7

(Results reflect areal exceedances)

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B1. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Cement Kilns

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	22,604	4	-	-	160	-	-	-	ND	ND	ND	ND
Antimony	22,608	-	-	-	160	-	-	-	160	-	-	-
Arsenic	22,608	-	-	-	160	-	-	-	160	-	-	-
Barium	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Cadmium	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium III	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium VI	22,608	-	-	-	160	-	-	-	160	-	-	-
Cobalt	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Copper	22,608	-	-	-	160	-	-	-	160	-	-	-
Lead	22,608	-	-	-	159	1	-	-	160	-	-	-
Manganese	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Mercury (total)	22,569	39	-	-	101	59	-	-	159	1	-	-
Nickel	22,608	-	-	-	160	-	-	-	160	-	-	-
Selenium	22,608	-	-	-	159	1	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	160	-	-	-	160	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Antimony	22,608	-	-	-	160	-	-	-	160	-	-	-
Arsenic	22,608	-	-	-	160	-	-	-	160	-	-	-
Barium	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Cadmium	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium III	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium VI	22,608	-	-	-	160	-	-	-	160	-	-	-
Cobalt	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Copper	22,608	-	-	-	160	-	-	-	160	-	-	-
Lead	22,608	-	-	-	160	-	-	-	160	-	-	-
Manganese	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Mercury (total)	22,594	14	-	-	106	55	-	-	160	-	-	-
Nickel	22,608	-	-	-	160	-	-	-	160	-	-	-
Selenium	22,608	-	-	-	159	1	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	160	-	-	-	160	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B2. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Area Source Cement Kilns

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Antimony	2,512	-	-	-	58	-	-	-	58	-	-	-
Arsenic	2,512	-	-	-	58	-	-	-	58	-	-	-
Barium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Cadmium	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium III	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium VI	2,512	-	-	-	58	-	-	-	58	-	-	-
Cobalt	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Copper	2,512	-	-	-	58	-	-	-	58	-	-	-
Lead	2,512	-	-	-	58	-	-	-	58	-	-	-
Manganese	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Mercury (total)	2,498	14	-	-	5	52	-	-	58	-	-	-
Nickel	2,512	-	-	-	58	-	-	-	58	-	-	-
Selenium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	58	-	-	-	58	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Antimony	2,512	-	-	-	58	-	-	-	58	-	-	-
Arsenic	2,512	-	-	-	58	-	-	-	58	-	-	-
Barium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Cadmium	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium III	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium VI	2,512	-	-	-	58	-	-	-	58	-	-	-
Cobalt	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Copper	2,512	-	-	-	58	-	-	-	58	-	-	-
Lead	2,512	-	-	-	58	-	-	-	58	-	-	-
Manganese	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Mercury (total)	2,498	14	-	-	5	52	-	-	58	-	-	-
Nickel	2,512	-	-	-	58	-	-	-	58	-	-	-
Selenium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	58	-	-	-	58	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B3. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Lightweight Aggregate Kilns

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	6,277	3	-	-	73	-	-	-	ND	ND	ND	ND
Antimony	6,280	-	-	-	73	-	-	-	73	-	-	-
Arsenic	6,280	-	-	-	73	-	-	-	73	-	-	-
Barium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Cadmium	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium III	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium VI	6,280	-	-	-	73	-	-	-	73	-	-	-
Cobalt	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Copper	6,280	-	-	-	73	-	-	-	73	-	-	-
Lead	6,280	-	-	-	73	-	-	-	73	-	-	-
Manganese	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Mercury (total)	6,277	3	-	-	57	16	-	-	73	-	-	-
Nickel	6,280	-	-	-	73	-	-	-	73	-	-	-
Selenium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	73	-	-	-	73	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Antimony	6,280	-	-	-	73	-	-	-	73	-	-	-
Arsenic	6,280	-	-	-	73	-	-	-	73	-	-	-
Barium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Cadmium	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium III	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium VI	6,280	-	-	-	73	-	-	-	73	-	-	-
Cobalt	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Copper	6,280	-	-	-	73	-	-	-	73	-	-	-
Lead	6,280	-	-	-	73	-	-	-	73	-	-	-
Manganese	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Mercury (total)	6,280	-	-	-	73	-	-	-	73	-	-	-
Nickel	6,280	-	-	-	73	-	-	-	73	-	-	-
Selenium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	73	-	-	-	73	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B4. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: All Incinerators (including WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	178,333	19	-	-	2,539	-	-	-	ND	ND	ND	ND
Antimony	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Arsenic	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Barium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Cadmium	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium III	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium VI	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Cobalt	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Copper	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Lead	178,346	6	-	-	2,502	37	-	-	2,537	2	-	-
Manganese	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Mercury (total)	178,265	87	-	-	2,390	149	-	-	2,539	-	-	-
Nickel	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Selenium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,539	-	-	-	2,539	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Antimony	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Arsenic	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Barium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Cadmium	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium III	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium VI	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Cobalt	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Copper	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Lead	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Manganese	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Mercury (total)	178,352	-	-	-	2,534	5	-	-	2,539	-	-	-
Nickel	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Selenium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,539	-	-	-	2,539	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B5. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Area Source Incinerators

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	35,161	7	-	-	199	-	-	-	ND	ND	ND	ND
Antimony	35,168	-	-	-	199	-	-	-	199	-	-	-
Arsenic	35,168	-	-	-	199	-	-	-	199	-	-	-
Barium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Cadmium	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium III	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium VI	35,168	-	-	-	199	-	-	-	199	-	-	-
Cobalt	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Copper	35,168	-	-	-	199	-	-	-	199	-	-	-
Lead	35,168	-	-	-	199	-	-	-	199	-	-	-
Manganese	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Mercury (total)	35,168	-	-	-	199	-	-	-	199	-	-	-
Nickel	35,168	-	-	-	199	-	-	-	199	-	-	-
Selenium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	199	-	-	-	199	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Antimony	35,168	-	-	-	199	-	-	-	199	-	-	-
Arsenic	35,168	-	-	-	199	-	-	-	199	-	-	-
Barium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Cadmium	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium III	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium VI	35,168	-	-	-	199	-	-	-	199	-	-	-
Cobalt	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Copper	35,168	-	-	-	199	-	-	-	199	-	-	-
Lead	35,168	-	-	-	199	-	-	-	199	-	-	-
Manganese	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Mercury (total)	35,168	-	-	-	199	-	-	-	199	-	-	-
Nickel	35,168	-	-	-	199	-	-	-	199	-	-	-
Selenium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	199	-	-	-	199	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B6. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Commercial Incinerators (including WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	25,113	7	-	-	242	-	-	-	ND	ND	ND	ND
Antimony	25,120	-	-	-	242	-	-	-	242	-	-	-
Arsenic	25,120	-	-	-	242	-	-	-	242	-	-	-
Barium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Cadmium	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium III	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium VI	25,120	-	-	-	242	-	-	-	242	-	-	-
Cobalt	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Copper	25,120	-	-	-	242	-	-	-	242	-	-	-
Lead	25,120	-	-	-	242	-	-	-	242	-	-	-
Manganese	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Mercury (total)	25,120	-	-	-	242	-	-	-	242	-	-	-
Nickel	25,120	-	-	-	242	-	-	-	242	-	-	-
Selenium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	242	-	-	-	242	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Antimony	25,120	-	-	-	242	-	-	-	242	-	-	-
Arsenic	25,120	-	-	-	242	-	-	-	242	-	-	-
Barium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Cadmium	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium III	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium VI	25,120	-	-	-	242	-	-	-	242	-	-	-
Cobalt	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Copper	25,120	-	-	-	242	-	-	-	242	-	-	-
Lead	25,120	-	-	-	242	-	-	-	242	-	-	-
Manganese	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Mercury (total)	25,120	-	-	-	242	-	-	-	242	-	-	-
Nickel	25,120	-	-	-	242	-	-	-	242	-	-	-
Selenium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	242	-	-	-	242	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B7. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Large Onsite Incinerators (including WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Antimony	54,008	-	-	-	618	-	-	-	618	-	-	-
Arsenic	54,008	-	-	-	618	-	-	-	618	-	-	-
Barium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Cadmium	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium III	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium VI	54,008	-	-	-	618	-	-	-	618	-	-	-
Cobalt	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Copper	54,008	-	-	-	618	-	-	-	618	-	-	-
Lead	54,002	6	-	-	581	37	-	-	616	2	-	-
Manganese	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Mercury (total)	53,921	87	-	-	473	145	-	-	618	-	-	-
Nickel	54,008	-	-	-	618	-	-	-	618	-	-	-
Selenium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	618	-	-	-	618	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Antimony	54,008	-	-	-	618	-	-	-	618	-	-	-
Arsenic	54,008	-	-	-	618	-	-	-	618	-	-	-
Barium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Cadmium	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium III	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium VI	54,008	-	-	-	618	-	-	-	618	-	-	-
Cobalt	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Copper	54,008	-	-	-	618	-	-	-	618	-	-	-
Lead	54,008	-	-	-	618	-	-	-	618	-	-	-
Manganese	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Mercury (total)	54,008	-	-	-	617	1	-	-	618	-	-	-
Nickel	54,008	-	-	-	618	-	-	-	618	-	-	-
Selenium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	618	-	-	-	618	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B8. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Small Onsite Incinerators (including WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	99,212	12	-	-	1,679	-	-	-	ND	ND	ND	ND
Antimony	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Arsenic	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Barium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Cadmium	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium III	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium VI	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Cobalt	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Copper	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Lead	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Manganese	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Mercury (total)	99,224	-	-	-	1,675	4	-	-	1,679	-	-	-
Nickel	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Selenium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,679	-	-	-	1,679	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Antimony	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Arsenic	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Barium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Cadmium	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium III	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium VI	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Cobalt	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Copper	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Lead	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Manganese	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Mercury (total)	99,224	-	-	-	1,675	4	-	-	1,679	-	-	-
Nickel	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Selenium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,679	-	-	-	1,679	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B9. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Waste Heat Boilers

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	36,405	19	-	-	529	-	-	-	ND	ND	ND	ND
Antimony	36,424	-	-	-	529	-	-	-	529	-	-	-
Arsenic	36,424	-	-	-	529	-	-	-	529	-	-	-
Barium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Cadmium	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium III	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium VI	36,424	-	-	-	529	-	-	-	529	-	-	-
Cobalt	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Copper	36,424	-	-	-	529	-	-	-	529	-	-	-
Lead	36,424	-	-	-	494	35	-	-	529	-	-	-
Manganese	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Mercury (total)	36,424	-	-	-	529	-	-	-	529	-	-	-
Nickel	36,424	-	-	-	529	-	-	-	529	-	-	-
Selenium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	529	-	-	-	529	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Antimony	36,424	-	-	-	529	-	-	-	529	-	-	-
Arsenic	36,424	-	-	-	529	-	-	-	529	-	-	-
Barium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Cadmium	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium III	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium VI	36,424	-	-	-	529	-	-	-	529	-	-	-
Cobalt	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Copper	36,424	-	-	-	529	-	-	-	529	-	-	-
Lead	36,424	-	-	-	529	-	-	-	529	-	-	-
Manganese	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Mercury (total)	36,424	-	-	-	529	-	-	-	529	-	-	-
Nickel	36,424	-	-	-	529	-	-	-	529	-	-	-
Selenium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	529	-	-	-	529	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B10. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: All Incinerators (excluding WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Antimony	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Arsenic	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Barium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Cadmium	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium III	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium VI	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Cobalt	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Copper	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Lead	141,922	6	-	-	2,008	2	-	-	2,008	2	-	-
Manganese	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Mercury (total)	141,841	87	-	-	1,861	149	-	-	2,010	-	-	-
Nickel	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Selenium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,010	-	-	-	2,010	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Antimony	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Arsenic	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Barium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Cadmium	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium III	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium VI	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Cobalt	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Copper	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Lead	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Manganese	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Mercury (total)	141,928	-	-	-	2,005	5	-	-	2,010	-	-	-
Nickel	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Selenium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,010	-	-	-	2,010	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B11. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Commercial Incinerators (excluding WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Antimony	15,072	-	-	-	176	-	-	-	176	-	-	-
Arsenic	15,072	-	-	-	176	-	-	-	176	-	-	-
Barium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Cadmium	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium III	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium VI	15,072	-	-	-	176	-	-	-	176	-	-	-
Cobalt	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Copper	15,072	-	-	-	176	-	-	-	176	-	-	-
Lead	15,072	-	-	-	176	-	-	-	176	-	-	-
Manganese	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Mercury (total)	15,072	-	-	-	176	-	-	-	176	-	-	-
Nickel	15,072	-	-	-	176	-	-	-	176	-	-	-
Selenium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	176	-	-	-	176	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Antimony	15,072	-	-	-	176	-	-	-	176	-	-	-
Arsenic	15,072	-	-	-	176	-	-	-	176	-	-	-
Barium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Cadmium	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium III	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium VI	15,072	-	-	-	176	-	-	-	176	-	-	-
Cobalt	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Copper	15,072	-	-	-	176	-	-	-	176	-	-	-
Lead	15,072	-	-	-	176	-	-	-	176	-	-	-
Manganese	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Mercury (total)	15,072	-	-	-	176	-	-	-	176	-	-	-
Nickel	15,072	-	-	-	176	-	-	-	176	-	-	-
Selenium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	176	-	-	-	176	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B12. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Large Onsite Incinerators (excluding WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Antimony	45,216	-	-	-	344	-	-	-	344	-	-	-
Arsenic	45,216	-	-	-	344	-	-	-	344	-	-	-
Barium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Cadmium	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium III	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium VI	45,216	-	-	-	344	-	-	-	344	-	-	-
Cobalt	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Copper	45,216	-	-	-	344	-	-	-	344	-	-	-
Lead	45,210	6	-	-	342	2	-	-	342	2	-	-
Manganese	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Mercury (total)	45,129	87	-	-	199	145	-	-	344	-	-	-
Nickel	45,216	-	-	-	344	-	-	-	344	-	-	-
Selenium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	344	-	-	-	344	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Antimony	45,216	-	-	-	344	-	-	-	344	-	-	-
Arsenic	45,216	-	-	-	344	-	-	-	344	-	-	-
Barium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Cadmium	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium III	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium VI	45,216	-	-	-	344	-	-	-	344	-	-	-
Cobalt	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Copper	45,216	-	-	-	344	-	-	-	344	-	-	-
Lead	45,216	-	-	-	344	-	-	-	344	-	-	-
Manganese	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Mercury (total)	45,216	-	-	-	343	1	-	-	344	-	-	-
Nickel	45,216	-	-	-	344	-	-	-	344	-	-	-
Selenium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	344	-	-	-	344	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B13. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Small Onsite Incinerators (excluding WHB)

Baseline

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Antimony	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Arsenic	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Barium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Cadmium	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium III	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium VI	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Cobalt	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Copper	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Lead	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Manganese	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Mercury (total)	81,640	-	-	-	1,486	4	-	-	1,491	-	-	-
Nickel	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Selenium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,491	-	-	-	1,491	-	-	-

MACT Standard

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Antimony	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Arsenic	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Barium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Cadmium	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium III	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium VI	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Cobalt	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Copper	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Lead	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Manganese	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Mercury (total)	81,640	-	-	-	1,486	4	-	-	1,491	-	-	-
Nickel	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Selenium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,491	-	-	-	1,491	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B14. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Cement Kilns

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Antimony	22,608	-	-	-	160	-	-	-	160	-	-	-
Arsenic	22,608	-	-	-	160	-	-	-	160	-	-	-
Barium	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Cadmium	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium III	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium VI	22,608	-	-	-	160	-	-	-	160	-	-	-
Cobalt	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Copper	22,608	-	-	-	160	-	-	-	160	-	-	-
Lead	22,608	-	-	-	160	-	-	-	160	-	-	-
Manganese	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Mercury (total)	22,594	14	-	-	106	55	-	-	160	-	-	-
Nickel	22,608	-	-	-	160	-	-	-	160	-	-	-
Selenium	22,608	-	-	-	159	1	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	160	-	-	-	160	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Antimony	22,608	-	-	-	160	-	-	-	160	-	-	-
Arsenic	22,608	-	-	-	160	-	-	-	160	-	-	-
Barium	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Cadmium	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium III	22,608	-	-	-	160	-	-	-	160	-	-	-
Chromium VI	22,608	-	-	-	160	-	-	-	160	-	-	-
Cobalt	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Copper	22,608	-	-	-	160	-	-	-	160	-	-	-
Lead	22,608	-	-	-	160	-	-	-	160	-	-	-
Manganese	22,608	-	-	-	160	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	160	-	-	-	ND	ND	ND	ND
Mercury (total)	22,608	-	-	-	160	0	-	-	160	-	-	-
Nickel	22,608	-	-	-	160	-	-	-	160	-	-	-
Selenium	22,608	-	-	-	159	1	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	160	-	-	-	160	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B15. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Area Source Cement Kilns

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Antimony	2,512	-	-	-	58	-	-	-	58	-	-	-
Arsenic	2,512	-	-	-	58	-	-	-	58	-	-	-
Barium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Cadmium	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium III	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium VI	2,512	-	-	-	58	-	-	-	58	-	-	-
Cobalt	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Copper	2,512	-	-	-	58	-	-	-	58	-	-	-
Lead	2,512	-	-	-	58	-	-	-	58	-	-	-
Manganese	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Mercury (total)	2,498	14	-	-	5	52	-	-	58	-	-	-
Nickel	2,512	-	-	-	58	-	-	-	58	-	-	-
Selenium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	58	-	-	-	58	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Antimony	2,512	-	-	-	58	-	-	-	58	-	-	-
Arsenic	2,512	-	-	-	58	-	-	-	58	-	-	-
Barium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Cadmium	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium III	2,512	-	-	-	58	-	-	-	58	-	-	-
Chromium VI	2,512	-	-	-	58	-	-	-	58	-	-	-
Cobalt	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Copper	2,512	-	-	-	58	-	-	-	58	-	-	-
Lead	2,512	-	-	-	58	-	-	-	58	-	-	-
Manganese	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	58	-	-	-	ND	ND	ND	ND
Mercury (total)	2,512	-	-	-	58	-	-	-	58	-	-	-
Nickel	2,512	-	-	-	58	-	-	-	58	-	-	-
Selenium	2,512	-	-	-	58	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	58	-	-	-	58	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B16. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Lightweight Aggregate Kilns

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	6,277	3	-	-	73	-	-	-	ND	ND	ND	ND
Antimony	6,280	-	-	-	73	-	-	-	73	-	-	-
Arsenic	6,280	-	-	-	73	-	-	-	73	-	-	-
Barium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Cadmium	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium III	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium VI	6,280	-	-	-	73	-	-	-	73	-	-	-
Cobalt	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Copper	6,280	-	-	-	73	-	-	-	73	-	-	-
Lead	6,280	-	-	-	73	-	-	-	73	-	-	-
Manganese	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Mercury (total)	6,280	-	-	-	73	-	-	-	73	-	-	-
Nickel	6,280	-	-	-	73	-	-	-	73	-	-	-
Selenium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	73	-	-	-	73	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Antimony	6,280	-	-	-	73	-	-	-	73	-	-	-
Arsenic	6,280	-	-	-	73	-	-	-	73	-	-	-
Barium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Cadmium	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium III	6,280	-	-	-	73	-	-	-	73	-	-	-
Chromium VI	6,280	-	-	-	73	-	-	-	73	-	-	-
Cobalt	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Copper	6,280	-	-	-	73	-	-	-	73	-	-	-
Lead	6,280	-	-	-	73	-	-	-	73	-	-	-
Manganese	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	73	-	-	-	ND	ND	ND	ND
Mercury (total)	6,280	-	-	-	73	-	-	-	73	-	-	-
Nickel	6,280	-	-	-	73	-	-	-	73	-	-	-
Selenium	6,280	-	-	-	73	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	73	-	-	-	73	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B17. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: All Incinerators (including WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	178,333	19	-	-	2,539	-	-	-	ND	ND	ND	ND
Antimony	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Arsenic	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Barium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Cadmium	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium III	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium VI	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Cobalt	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Copper	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Lead	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Manganese	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Mercury (total)	178,352	-	-	-	2,534	5	-	-	2,539	-	-	-
Nickel	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Selenium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,539	-	-	-	2,539	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Antimony	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Arsenic	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Barium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Cadmium	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium III	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Chromium VI	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Cobalt	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Copper	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Lead	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Manganese	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,539	-	-	-	ND	ND	ND	ND
Mercury (total)	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Nickel	178,352	-	-	-	2,539	-	-	-	2,539	-	-	-
Selenium	178,352	-	-	-	2,539	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,539	-	-	-	2,539	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B18. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Area Source Incinerators

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	35,161	7	-	-	199	-	-	-	ND	ND	ND	ND
Antimony	35,168	-	-	-	199	-	-	-	199	-	-	-
Arsenic	35,168	-	-	-	199	-	-	-	199	-	-	-
Barium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Cadmium	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium III	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium VI	35,168	-	-	-	199	-	-	-	199	-	-	-
Cobalt	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Copper	35,168	-	-	-	199	-	-	-	199	-	-	-
Lead	35,168	-	-	-	199	-	-	-	199	-	-	-
Manganese	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Mercury (total)	35,168	-	-	-	199	-	-	-	199	-	-	-
Nickel	35,168	-	-	-	199	-	-	-	199	-	-	-
Selenium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	199	-	-	-	199	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Antimony	35,168	-	-	-	199	-	-	-	199	-	-	-
Arsenic	35,168	-	-	-	199	-	-	-	199	-	-	-
Barium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Cadmium	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium III	35,168	-	-	-	199	-	-	-	199	-	-	-
Chromium VI	35,168	-	-	-	199	-	-	-	199	-	-	-
Cobalt	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Copper	35,168	-	-	-	199	-	-	-	199	-	-	-
Lead	35,168	-	-	-	199	-	-	-	199	-	-	-
Manganese	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	199	-	-	-	ND	ND	ND	ND
Mercury (total)	35,168	-	-	-	199	-	-	-	199	-	-	-
Nickel	35,168	-	-	-	199	-	-	-	199	-	-	-
Selenium	35,168	-	-	-	199	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	199	-	-	-	199	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B19. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Commercial Incinerators (including WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	25,113	7	-	-	242	-	-	-	ND	ND	ND	ND
Antimony	25,120	-	-	-	242	-	-	-	242	-	-	-
Arsenic	25,120	-	-	-	242	-	-	-	242	-	-	-
Barium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Cadmium	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium III	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium VI	25,120	-	-	-	242	-	-	-	242	-	-	-
Cobalt	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Copper	25,120	-	-	-	242	-	-	-	242	-	-	-
Lead	25,120	-	-	-	242	-	-	-	242	-	-	-
Manganese	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Mercury (total)	25,120	-	-	-	242	-	-	-	242	-	-	-
Nickel	25,120	-	-	-	242	-	-	-	242	-	-	-
Selenium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	242	-	-	-	242	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Antimony	25,120	-	-	-	242	-	-	-	242	-	-	-
Arsenic	25,120	-	-	-	242	-	-	-	242	-	-	-
Barium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Cadmium	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium III	25,120	-	-	-	242	-	-	-	242	-	-	-
Chromium VI	25,120	-	-	-	242	-	-	-	242	-	-	-
Cobalt	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Copper	25,120	-	-	-	242	-	-	-	242	-	-	-
Lead	25,120	-	-	-	242	-	-	-	242	-	-	-
Manganese	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	242	-	-	-	ND	ND	ND	ND
Mercury (total)	25,120	-	-	-	242	-	-	-	242	-	-	-
Nickel	25,120	-	-	-	242	-	-	-	242	-	-	-
Selenium	25,120	-	-	-	242	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	242	-	-	-	242	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B20. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Large Onsite Incinerators (including WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Antimony	54,008	-	-	-	618	-	-	-	618	-	-	-
Arsenic	54,008	-	-	-	618	-	-	-	618	-	-	-
Barium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Cadmium	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium III	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium VI	54,008	-	-	-	618	-	-	-	618	-	-	-
Cobalt	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Copper	54,008	-	-	-	618	-	-	-	618	-	-	-
Lead	54,008	-	-	-	618	-	-	-	618	-	-	-
Manganese	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Mercury (total)	54,008	-	-	-	617	1	-	-	618	-	-	-
Nickel	54,008	-	-	-	618	-	-	-	618	-	-	-
Selenium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	618	-	-	-	618	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Antimony	54,008	-	-	-	618	-	-	-	618	-	-	-
Arsenic	54,008	-	-	-	618	-	-	-	618	-	-	-
Barium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Cadmium	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium III	54,008	-	-	-	618	-	-	-	618	-	-	-
Chromium VI	54,008	-	-	-	618	-	-	-	618	-	-	-
Cobalt	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Copper	54,008	-	-	-	618	-	-	-	618	-	-	-
Lead	54,008	-	-	-	618	-	-	-	618	-	-	-
Manganese	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	618	-	-	-	ND	ND	ND	ND
Mercury (total)	54,008	-	-	-	618	-	-	-	618	-	-	-
Nickel	54,008	-	-	-	618	-	-	-	618	-	-	-
Selenium	54,008	-	-	-	618	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	618	-	-	-	618	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B21. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Small Onsite Incinerators (including WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	99,212	12	-	-	1,679	-	-	-	ND	ND	ND	ND
Antimony	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Arsenic	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Barium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Cadmium	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium III	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium VI	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Cobalt	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Copper	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Lead	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Manganese	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Mercury (total)	99,224	-	-	-	1,675	4	-	-	1,679	-	-	-
Nickel	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Selenium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,679	-	-	-	1,679	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Antimony	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Arsenic	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Barium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Cadmium	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium III	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Chromium VI	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Cobalt	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Copper	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Lead	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Manganese	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,679	-	-	-	ND	ND	ND	ND
Mercury (total)	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Nickel	99,224	-	-	-	1,679	-	-	-	1,679	-	-	-
Selenium	99,224	-	-	-	1,679	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,679	-	-	-	1,679	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B22. Area (km^2)* Within Ecotoxicological Hazard Quotient (HQ) Ranges: Waste Heat Boilers

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	36,405	19	-	-	529	-	-	-	ND	ND	ND	ND
Antimony	36,424	-	-	-	529	-	-	-	529	-	-	-
Arsenic	36,424	-	-	-	529	-	-	-	529	-	-	-
Barium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Cadmium	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium III	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium VI	36,424	-	-	-	529	-	-	-	529	-	-	-
Cobalt	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Copper	36,424	-	-	-	529	-	-	-	529	-	-	-
Lead	36,424	-	-	-	529	-	-	-	529	-	-	-
Manganese	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Mercury (total)	36,424	-	-	-	529	-	-	-	529	-	-	-
Nickel	36,424	-	-	-	529	-	-	-	529	-	-	-
Selenium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	529	-	-	-	529	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Antimony	36,424	-	-	-	529	-	-	-	529	-	-	-
Arsenic	36,424	-	-	-	529	-	-	-	529	-	-	-
Barium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Cadmium	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium III	36,424	-	-	-	529	-	-	-	529	-	-	-
Chromium VI	36,424	-	-	-	529	-	-	-	529	-	-	-
Cobalt	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Copper	36,424	-	-	-	529	-	-	-	529	-	-	-
Lead	36,424	-	-	-	529	-	-	-	529	-	-	-
Manganese	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	529	-	-	-	ND	ND	ND	ND
Mercury (total)	36,424	-	-	-	529	-	-	-	529	-	-	-
Nickel	36,424	-	-	-	529	-	-	-	529	-	-	-
Selenium	36,424	-	-	-	529	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	529	-	-	-	529	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B23. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: All Incinerators (excluding WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Antimony	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Arsenic	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Barium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Cadmium	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium III	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium VI	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Cobalt	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Copper	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Lead	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Manganese	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Mercury (total)	141,928	-	-	-	2,005	5	-	-	2,010	-	-	-
Nickel	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Selenium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,010	-	-	-	2,010	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Antimony	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Arsenic	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Barium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Cadmium	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium III	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Chromium VI	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Cobalt	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Copper	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Lead	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Manganese	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	2,010	-	-	-	ND	ND	ND	ND
Mercury (total)	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Nickel	141,928	-	-	-	2,010	-	-	-	2,010	-	-	-
Selenium	141,928	-	-	-	2,010	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	2,010	-	-	-	2,010	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B24. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Commercial Incinerators (excluding WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Antimony	15,072	-	-	-	176	-	-	-	176	-	-	-
Arsenic	15,072	-	-	-	176	-	-	-	176	-	-	-
Barium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Cadmium	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium III	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium VI	15,072	-	-	-	176	-	-	-	176	-	-	-
Cobalt	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Copper	15,072	-	-	-	176	-	-	-	176	-	-	-
Lead	15,072	-	-	-	176	-	-	-	176	-	-	-
Manganese	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Mercury (total)	15,072	-	-	-	176	-	-	-	176	-	-	-
Nickel	15,072	-	-	-	176	-	-	-	176	-	-	-
Selenium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	176	-	-	-	176	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Antimony	15,072	-	-	-	176	-	-	-	176	-	-	-
Arsenic	15,072	-	-	-	176	-	-	-	176	-	-	-
Barium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Cadmium	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium III	15,072	-	-	-	176	-	-	-	176	-	-	-
Chromium VI	15,072	-	-	-	176	-	-	-	176	-	-	-
Cobalt	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Copper	15,072	-	-	-	176	-	-	-	176	-	-	-
Lead	15,072	-	-	-	176	-	-	-	176	-	-	-
Manganese	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	176	-	-	-	ND	ND	ND	ND
Mercury (total)	15,072	-	-	-	176	-	-	-	176	-	-	-
Nickel	15,072	-	-	-	176	-	-	-	176	-	-	-
Selenium	15,072	-	-	-	176	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	176	-	-	-	176	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B25. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Large Onsite Incinerators (excluding WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Antimony	45,216	-	-	-	344	-	-	-	344	-	-	-
Arsenic	45,216	-	-	-	344	-	-	-	344	-	-	-
Barium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Cadmium	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium III	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium VI	45,216	-	-	-	344	-	-	-	344	-	-	-
Cobalt	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Copper	45,216	-	-	-	344	-	-	-	344	-	-	-
Lead	45,216	-	-	-	344	-	-	-	344	-	-	-
Manganese	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Mercury (total)	45,216	-	-	-	343	1	-	-	344	-	-	-
Nickel	45,216	-	-	-	344	-	-	-	344	-	-	-
Selenium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	344	-	-	-	344	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Antimony	45,216	-	-	-	344	-	-	-	344	-	-	-
Arsenic	45,216	-	-	-	344	-	-	-	344	-	-	-
Barium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Cadmium	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium III	45,216	-	-	-	344	-	-	-	344	-	-	-
Chromium VI	45,216	-	-	-	344	-	-	-	344	-	-	-
Cobalt	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Copper	45,216	-	-	-	344	-	-	-	344	-	-	-
Lead	45,216	-	-	-	344	-	-	-	344	-	-	-
Manganese	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	344	-	-	-	ND	ND	ND	ND
Mercury (total)	45,216	-	-	-	344	-	-	-	344	-	-	-
Nickel	45,216	-	-	-	344	-	-	-	344	-	-	-
Selenium	45,216	-	-	-	344	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	344	-	-	-	344	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-B26. Area (km^2)* Within Ecotoxicological
Hazard Quotient (HQ) Ranges: Small Onsite Incinerators (excluding WHB)

MACT Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Antimony	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Arsenic	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Barium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Cadmium	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium III	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium VI	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Cobalt	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Copper	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Lead	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Manganese	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Mercury (total)	81,640	-	-	-	1,486	4	-	-	1,491	-	-	-
Nickel	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Selenium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,491	-	-	-	1,491	-	-	-

MACT Beyond the Floor

	Soil HQ Ranges				Surface Water HQ Ranges				Sediment HQ Ranges			
Constituent	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100	<1	1-10	>10-100	>100
Dioxin	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Antimony	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Arsenic	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Barium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Cadmium	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium III	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Chromium VI	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Cobalt	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Copper	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Lead	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Manganese	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	1,491	-	-	-	ND	ND	ND	ND
Mercury (total)	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Nickel	81,640	-	-	-	1,491	-	-	-	1,491	-	-	-
Selenium	81,640	-	-	-	1,491	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	1,491	-	-	-	1,491	-	-	-

(Frequency bins for HQ exceedances)

* Area totals across a given constituent may not match the expected value due to rounding.

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C1. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Cement Kilns

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	1	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	1	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	2	-	-	-	2	1	-	1	1	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	1	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Standard

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	1	-	-	-	4	-	-	1	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	1	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C2. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Area Source Cement Kilns

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	1	-	-	-	-	-	-	1	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Standard

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	1	-	-	-	-	-	-	1	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C3. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Lightweight Aggregate Kilns

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	1	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	1	-	-	-	-	-	-	1	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Standard

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C4. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: All Incinerators (including WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	4	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2	-	-	-	4	-	-	1	2	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	2	-	-	-	4	-	-	2	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Standard

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	6	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C5. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Area Source Incinerators

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	2	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

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	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C6. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Commercial Incinerators (including WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	2	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

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	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C7. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Large Onsite Incinerators (including WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2	-	-	-	4	-	-	1	2	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	2	-	-	-	-	-	-	2	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

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	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	2	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C8. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Small Onsite Incinerators (including WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	1	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	4	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

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	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	4	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C9. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Waste Heat Boilers

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	4	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	1	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

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	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C10. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: All Incinerators (excluding WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2	-	-	-	4	-	-	-	2	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	2	-	-	-	4	-	-	2	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

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	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	6	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C11. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Commercial Incinerators (excluding WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Standard

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C12. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Large Onsite Incinerators (excluding WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	2	-	-	-	4	-	-	-	2	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	2	-	-	-	-	-	-	2	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Standard

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	2	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C13. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Small Onsite Incinerators (excluding WHB)

Baseline

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	4	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Standard

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	4	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C14. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Cement Kilns

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	1	-	-	-	4	-	-	1	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	1	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	1	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	1	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C15. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Area Source Cement Kilns

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	1	-	-	-	-	-	-	1	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C16. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Lightweight Aggregate Kilns

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	1	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C17. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: All Incinerators (including WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	4	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	6	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C18. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Area Source Incinerators

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	2	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C19. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Commercial Incinerators (including WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	2	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C20. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Large Onsite Incinerators (including WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	2	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C21. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Small Onsite Incinerators (including WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	1	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	4	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C22. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Waste Heat Boilers

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	4	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C23. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: All Incinerators (excluding WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	6	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C24. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Commercial Incinerators (excluding WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C25. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Large Onsite Incinerators (excluding WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	2	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: km^2 *in Exceedance*				Surface water: km^2 *in Exceedance*				Sediment: km^2 *in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.

Table VIII-C26. Frequency Bins for Number of Facilities with Areas That Exceed Ecotoxicological Hazard Quotient (HQ) of 1: Small Onsite Incinerators (excluding WHB)

MACT Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	4	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

MACT Beyond the Floor

	Number of Facilities within Specified Range of Sector/Waterbody HQ Exceedances											
	Soil: *km² in Exceedance*				Surface water: *km² in Exceedance*				Sediment: *km² in Exceedance*			
Constituent	0-314	>314-628	>628-942	>942-1258	0-2	>2-4	>4-14	>14	0-2	>2-4	>4-14	>14
Dioxin	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Antimony	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic	-	-	-	-	-	-	-	-	-	-	-	-
Barium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Beryllium	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Cadmium	-	-	-	-	-	-	-	-	-	-	-	-
Chromium III	-	-	-	-	-	-	-	-	-	-	-	-
Chromium VI	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Copper	-	-	-	-	-	-	-	-	-	-	-	-
Lead	-	-	-	-	-	-	-	-	-	-	-	-
Manganese	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Mercury (methyl)	ND	ND	ND	ND	-	-	-	-	ND	ND	ND	ND
Mercury (total)	-	-	-	-	-	-	-	-	-	-	-	-
Nickel	-	-	-	-	-	-	-	-	-	-	-	-
Selenium	-	-	-	-	-	-	-	-	ND	ND	ND	ND
Silver	ND	ND	ND	ND	-	-	-	-	-	-	-	-

Risk results for dioxins presented in the surface water column are dose-based values for pisciverous wildlife calculated from sediment concentrations.