Appendix M

Health Risk Assessment

SUNCOR

Appendix M1

Toxicological Reference Sheets

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1.0 1,3-BUTADIENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	54.09	Cal EPA (2014)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	1.99	Cal EPA (2014)
Diffusivity in air	Da	cm^2/sec	n/a	n/a
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	n/a	n/a
Henry's Law Constant	H'	unitless	3.03	Cal EPA (2014)
	H	atm-m^3/mol	$7.4x10^{-2}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	n/a	n/a
Relative absorption factor - ingestion	RAF_{ing}	unitless	n/a	n/a
Relative absorption factor - dermal	RAF_{derm}	unitless	n/a	n/a
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Note:
n/a = Not available.

Source

The petroleum industry produces large amounts of 1,3-butadiene, from operation equipment (e.g., generators and compressors) or from fugitive sources (e.g., bitumen-rich ore and tailings ponds). 1,3-Butadiene is essential to the process of making synthetic rubber. 1,3-Butadiene is also found in small amounts in refined petroleum products like gasoline. Small amounts are found in the exhaust of automobiles and trucks at approximately 10 parts in 1 billion parts of air (ppb) and in gasoline vapors at 4 ppb. 1,3-Butadiene is also found in cigarette smoke, and it may also be found in the smoke of wood fires.

Exposure

Acute

Occupational inhalation exposure to 1,3-butadiene can result in irritation of the eyes, respiratory tract, and lungs. Other symptoms following exposure included cough, fatigue and drowsiness (ATSDR 2012). Some occupational studies have shown a probable link between 1,3-butadiene exposure and hematopoietic malignancies in synthetic rubber workers (McMichael et al. 1974, 1976).

Chronic

Carcinogenicity

The US EPA classified 1,3-butadiene as B2 - probably carcinogen. The 1999 US EPA *Guidelines for Carcinogen Risk Assessment* characterized it a carcinogen to humans (Group 1) by inhalation. This is based on the weight-of-evidence from epidemiological studies of workers occupationally exposed to 1,3-butadiene showing an increase in lymphohematopoietic cancers and leukemias (US EPA 2002).

Toxicological Reference Value

US EPA (2002) listed an inhalation reference concentration (RfC) of 0.002 mg/m³ based on a two-year inhalation study on mice (National Toxicology Program 1993). The RfC was derived from observed weight reduction in the reproductive organs of the exposed mice. Cal EPA (2014) provides an acute exposure value of 0.660 mg/m³ based on lowered male fetal weight in mice.

A unit risk of 0.003 $(mg\text{-}m^3)^{-1}$ is listed by US EPA (2002).

References

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United States Environmental Protection Agency (US EPA). 2005. *Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities*. Office of Solid Waste, EPA530-R-5-006.

2.0 ACENAPHTHENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	154.212	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	3.9	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.001	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1.00	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$6.53x10^{-3}$	US EPA (2005)
	H	atm-m^3/mol	$1.60x10^{-4}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	1,100	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Acenaphthene is a 3-ringed aromatic hydrocarbon consisting of naphthalene with an ethylene bridge and belongs to the polycyclic aromatic hydrocarbons (PAH) class of chemicals. They are often found in groups of two or more.

Like most PAH, acenaphthene is used to make dyes, plastics and pesticides. Acenaphthene has been found in cigarette smoke, in the exhaust from automobiles and in wood preservatives.

Exposure

A large database exists for the acute and chronic effects of PAH with most data available for benzo[a]pyrene. The toxicological literature is not as extensive with acenaphthene.

Acute

PAH have a low acute oral toxicity. Acenaphthene can be absorbed through the skin following dermal exposure (Storer et al. 1984) and based on other similar PAH structures, it would be expected to be absorbed through the lungs and gastrointestinal tract.

Chronic

Occupational exposure to PAH results in conditions including chronic cough, bronchitis, dermatitis, and cutaneous photosensitivity (ATSDR 2008). The target organs are primarily the kidney and liver. Exposure to acenaphthene in rats has resulted in increased liver weight and cellular hypertrophy, which resulted in liver lesions (US EPA 1989).

Carcinogenicity

Under *Guidelines for Carcinogen Risk Assessment* (US EPA 1993a, 1993b), there is inadequate information to assess the carcinogenic potential of acenaphthene.

Toxicological Reference Value

An oral chronic oral reference dose (RfD) of 0.06 mg/kg-d was listed by US EPA (1989). The value was extrapolated from a no-observed-adverse-effect level (NOAEL).

The NOAEL of 175 mg/kg-d for subchronic exposure was derived from a 13 week subchronic toxicity study where mice were fed doses of acenaphthene. The mice fed the mid and high doses of 350 and 700 mg/kg-d experienced liver weight changes accompanied by microscopic alterations (cellular hypertrophy). Uncertainty factors were added to account for intraspecies, interspecies and for the use of subchronic data (US EPA 1989).

The chronic inhalation RfC of 0.119 mg/m^3 is route extrapolated from the oral RfD from US EPA and was adopted as the chronic inhalation Toxicological Reference Value (TRV) in the current assessment.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2008. *Polycyclic Aromatic Hydrocarbons (PAHs) Clinical Assessment.* Accessed at: http://www.atsdr.cdc.gov/csem/csem.asp?csem=13&po=12.

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United States Environmental Protection Agency (US EPA). 2005. *Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities*. Office of Solid Waste, EPA530-R-5-006.

3.0 ACENAPHTHYLENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	152.192	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	4.08	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0667	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0.0205	US EPA (2005)
Diffusivity in water	Dw	unitless	$7.72x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$5.14x10^{-3}$	US EPA (2005)
	H	atm-m^3/mol	$1.25x10^{-4}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	67.6	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Acenaphthylene is a PAH with three aromatic rings. As a class, PAH are widely distributed in the environment from natural sources such as forest fires and volcanoes as well as from man-made sources including burning of wood in homes, automobile and truck emissions, tobacco smoke, and production of coal tar and coal tar products (ATSDR 1990). Emissions from residential wood combustion have been shown to contain more acenaphthylene than other PAHs (Perwack et al. 1982).

Exposure

A large database exists for the acute and chronic effects of PAH with most data available for benzo[a]pyrene. The toxicological literature is not as extensive with acenaphthylene.

Acute

PAH have a low acute oral toxicity. Acenaphthylene can be absorbed through the skin following dermal exposure (Storer et al. 1984) and based on other similar PAH structures, it is expected to be absorbed through the lungs and gastrointestinal tract.

Chronic

No human data were available to evaluate the toxicity of acenaphthylene. Effects on the kidneys, liver, blood, reproductive system, and lungs were reported in subchronic oral studies with experimental animals. Daily doses of 0.6 g acenaphthylene for 40-days produced peripheral blood changes and affected the kidney function in rats (Knobloch et al. 1969). Liver degeneration and severe pulmonary effects were seen in mice administered 176 mg/kg every other day for two months (Rotenberg and Mashbits 1965). In a 90-day gavage study, administration of 100, 200, or 400 mg/kg-d acenaphthylene to male and female mice produced a dose-related increased mortality in females.

Other effects included decreased red blood cell, hemoglobin, and hematocrit values and decreased platelet and leukocyte counts; increased liver weights and hepatocellular hypertrophy; nephropathy and related kidney lesions; decreased ovary weights, decreased ovarian and uterine activity, and smaller and fewer corpora lutea (U.S. EPA 1989).

Pulmonary effects such as bronchitis, pneumonia, and desquamation of the bronchial and alveolar epithelium were reported in subchronic inhalation studies for rats exposed to concentrations ranging from 0.5 to 18 mg/m^3 over four months (Reshetyuk et al. 1970; Rotenberg and Mahbits 1965).

Carcinogenicity

Under *Guidelines for Carcinogen Risk Assessment* (US EPA 1993a, 1993b), there is inadequate information to assess the carcinogenic potential of acenaphthylene.

Toxicological Reference Value

TCEQ (2011) provided an oral reference value of 0.06 mg/kg-d, but no supporting studies were cited. The inhalation concentration of 0.119 mg/m^3 is derived from the TCEQ oral RfD for the toddler receptor. This value was adopted as the chronic TRV in the current assessment.

References

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United States Environmental Protection Agency (US EPA). 2005. *Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities*. Office of Solid Waste, EPA530-R-5-006.

4.0 ACETALDEHYDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	44.05	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	-0.22	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.124	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.41x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$7.89x10^{-5}$	US EPA (2005)
	H	atm-m^3/mol	0	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.61	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Acetaldehyde is a colourless liquid or gas that is flammable and mixable in water. When acetaldehyde is diluted, it has a fruity and pleasant odour, but when concentrated, it has a pungent odour (US EPA 1987). It is a highly reactive and volatile liquid at ambient temperature and pressure.

Source

Acetaldehyde is used as an intermediate for numerous chemical manufacturing processes. Emission sources include home building products; carpet and vinyl flooring, fiberboard and particle board. Some consumer products also emit acetaldehyde, including adhesives and glues, coatings, lubricants, inks, nail polish removers, liquid wax for wood preservation, detergent and cleansers, deodorants, fuels, and mold inhibitors (Beall and Ulsamer 1981; CARB 1993). Combustion by-products such as vehicle exhaust, cigarette smoke, and smoke from fireplaces may contain acetaldehyde. Indoor air concentrations of acetaldehyde are often greater than outdoor, and can account for a majority of individual exposures.

Exposure

Acute

Acute and chronic inhalation studies with animals has shown the target tissue to be the upper respiratory tract. Acetaldehyde is an irritant of the skin, eyes, mucous membranes, throat, and respiratory tract. Symptoms of acute exposure to this compound include nausea, vomiting, headache, dermatitis, and pulmonary edema (i.e., fluid in the lungs).

Chronic

Sub-chronic and chronic exposures to acetaldehyde cause inflammation and injury to the respiratory tract and symptoms resembling alcoholism. Chronic acetaldehyde inhalation exposures in rats and hamsters caused increase mortality and growth retardation (OEHHA 2008).

Carcinogenicity

Cal EPA (2002) considers acetaldehyde a carcinogen. The International Agency for Research on Cancer (IARC 1985) classified acetaldehyde as Class 2B – a possible human carcinogen and, therefore, developed unit risks for the chemical. US EPA (1991) has classified acetaldehyde as a Group B2 – probable human carcinogen based on sufficient evidence of carcinogenicity in animals and inadequate evidence in humans.

Toxicological Reference Values

US EPA (1991) listed a RfC of 0.009 mg/m³ based on the degeneration of the olfactory epithelium in a short-term rat inhalation study (Appleman et al. 1982, 1986). TCEQ (2011) provided an RfD of 0.1 mg/kg-d, but no supporting studies are cited.

The acute 1-hour TRV of 0.09 mg/m³ is taken from the Alberta Ambient Air Quality Objective (AAAQO) document (ESRD 2013). The AAAQO acute TRV is adapted from Texas Acute Effect Screening Level (ESL).

A unit risk of 0.0022 $(mg/m^3)^{-1}$ is listed by US EPA IRIS (1991), based on increased incidence of nasal tumors in male and female rats and laryngeal tumors in male and female hamsters after inhalation exposure.

References

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United States Environmental Protection Agency (US EPA). 2005. *Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities*. Office of Solid Waste, EPA530-R-5-006.

5.0 ACROLEIN

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	56.064	US EPA(2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	-0.01	US EPA(2005)
Diffusivity in air	Da	cm^2/sec	0.105	US EPA(2005)
Fraction in vapour phase	Fv	unitless	0.998	US EPA(2005)
Diffusivity in water	Dw	unitless	$1.22x10^{-5}$	US EPA(2005)
Henry's Law Constant	H'	unitless	$4.9x10^{-3}$	US EPA(2005)
	H	atm-m^3/mol	$1.2x10^{-4}$	US EPA(2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.15	US EPA(2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Acrolein is a yellow or clear colourless liquid with a very strong acrid odour at room temperature. In air, it ignites and will burn quickly. At room temperature, acrolein has a higher vapour pressure than water (ATSDR 2007).

Source

Acrolein is released into the environment from forest fires, fermentation, and ripening processes. It is also a product of the photochemical oxidation of hydrocarbons in the atmosphere. Anthropogenic sources of acrolein include incomplete combustion of organic matter in waste incinerators, furnaces, fireplaces, power plants, and burning vegetation (WHO 2002). It is also used across the world as a biocide in waterways (BUA 1994).

Exposure

Acute

Acrolein is a potent irritant to mucous membranes, and at high concentrations it can cause irritation to the skin.

Chronic

Acrolein is an upper respiratory tract and eye irritant in humans, even at concentrations below 1 ppm. Exposure will induce augmentation of the flow resistance by bronchoconstriction (Amdur et al. 1991). In addition, the available data indicate that there is sensory irritation (i.e., nasal and ocular) in humans exposed to low concentrations of acrolein vapours. Experiments have shown that acrolein can reduce bactericidal activity in the lungs (Li and Holian 1998; Li et al. 1999).

Toxicological Reference Value

An acute inhalation TRV of 0.0025 mg/m^3 was developed from a human study where the individuals were exposed to acrolein for five minutes and experienced eye irritation (OEHHA 2008).

A chronic inhalation TRV of 0.00002 mg/m^3 over an annual averaging time has been adopted as a TRV for acrolein by various agencies (including US EPA 2003) based on nasal lesions. This value was used to assess the chronic exposures to the predicted ground level concentrations.

For oral exposures, a TRV of 0.0005 mg/kg-d has been developed by several agencies. US EPA (2003) indicates that the oral TRV was based on decreased survival in rats following oral exposure.

References

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6.0 ALUMINIUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	27	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.33	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-06}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0	US EPA (2005)
	H	atm-m^3/mol	0	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	9.9	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.01	TCEQ (2011)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Source

Aluminium is the most abundant metal on earth, comprising about 8% of the earth's crust. It is found in a variety of minerals, such as feldspars and micas, which will eventually weather into clays. Aluminium ore is mined as bauxite, a mineral containing 40 to 60% aluminum oxide (alumina). Aluminium is also found as a normal constituent of soil, plants and animal tissues (Health Canada 1998). Aluminium smelting is a large industry in Canada, mainly due to the easy access to cheap electricity, which is required in large quantity in the Soderberg process. Aluminium salts, in the form of alum, are widely used in the treatment of drinking water. Aluminium oxides are used in the most commercially available antiperspirants.

Exposure

Acute

Oral acute exposure to aluminium has been shown to be of low toxicity. In humans, oral doses up to 7,200 mg/d (100 mg/kg-d) are routinely tolerated without any signs of harmful short-term effects.

Chronic Exposure

Occupational exposure to large amounts of aluminium dusts can induce lung problems, such as coughing or changes that show up in chest X-rays. Some workers who breathe aluminium dusts or aluminium fumes displayed decreased performance in some tests that measure functions of the nervous system. The respiratory system of animals appears to be the primary target following inhalation exposure to aluminum. Alveolar proteinosis has been observed in guinea pigs, rats, and hamsters exposed to aluminum powders (Gross et al. 1973). Rats and guinea pigs exposed to aluminum chlorohydrate exhibited an increase in alveolar macrophages, increased relative lung weight, and multifocal granulomatous pneumonia (Steinhagen et al.

1978). Pulmonary problems can arise from the inhalation of bauxite fumes, and result in obstructive and restrictive diseases related to the apparition of fibrosis nodules in the lungs (Amdur et al. 1996).

The gastrointestinal problems related to aluminum intake are often due to inhibition of the absorption of other elements like calcium and iron (Spencer and Lender 1979). It can also reduce intestine motility through inhibition of acetylcholine-induce muscle contractions. Systemic effects may result following hemodialysis treatment of people, since aluminum phosphate is used as a binding product. Aluminum is possibly toxic to the nervous tissue and some recent researches tend to demonstrate that it might be implicated in the development of Alzheimer's and other neurodegenerative diseases (Goyer 1997; ATSDR 2006). So far, the causality between aluminium and the neurodegenerative disease is inconclusive (ATSDR 2006).

Carcinogenicity

IARC concluded that aluminium production was carcinogenic to humans, but the PAH emitted as a by-product of smelting were likely the causative agents, not aluminium itself.

Toxicological Reference Values

ATSDR has an oral chronic value of 1 mg/kg-d based on neurological effects (decreased limb grip strength). The study from Golub et al. (2000) estimated a lowest observed adverse effect level (LOAEL) of 100 mg/kg-d, to which uncertainty factors of 100 were applied; 10 for extrapolation from animals to humans and 10 for intra-species variability.

RAIS (2010) listed an inhalation RfC value of 0.005 mg/m^3, which was calculated from an occupational exposure study of workers exposed for 12 years to concentration of aluminum between 4.6 mg/m^3 and 11.5 mg/m^3. An uncertainty factor of 300 (10 for use of LOAEL instead of NOAEL; 10 for intrahuman variability; three for incomplete database) was applied to the LOAEL of 1.64 mg/m^3 derived from the study.

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7.0 ANTHRACENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	178.234	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	4.5	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.001	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0.998	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$2.67x10^{-3}$	US EPA (2005)
	H	atm-m^3/mol	$6.5x10^{-5}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	4,500	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Anthracene is a PAH derived from coal tar and is primarily used as an intermediate in the production of dyes. It has also been used in the production of smoke screens. Anthracene is ubiquitous in the environment as a product of the incomplete combustion of fossil fuels.

Exposure

Acute

PAH have a low acute oral toxicity. Anthracene can be absorbed through the skin following dermal exposure (Storer et al. 1984) and based on other similar PAH structures, it would be expected to be absorbed through the lungs and gastrointestinal tract.

Chronic

Although a large body of literature exists on the toxicity and carcinogenicity of a number of PAH, toxicity data for anthracene are limited. Targets for anthracene toxicity are the skin, hematopoietic system, lymphoid system, and gastrointestinal tract. Adverse dermatologic effects have been observed in humans and animals in conjunction with exposure to anthracene.

In humans, anthracene may cause dermatitis with symptoms of burning, itching, and edema. Human exposure to anthracene has also been associated with headache, nausea, loss of appetite, inflammation of the gastrointestinal tract, slow reactions, and weakness (Volkova 1983).

Carcinogenicity

The US EPA has classified anthracene as a Group D, not classifiable as to human carcinogenicity (US EPA 1991).

Toxicological Reference Value

US EPA (1990) provides a tolerable daily intake (TDI) of 0.3 mg/kg-d, calculated from a NOAEL of 1,000 mg/kg-d derived from a 90-day gavage study with mice (US EPA 1989). An uncertainty factor of 3,000 was used based on a factor of 10 to account for interspecies extrapolation, 10 for intraspecies variability and 30 for both the use of a subchronic study for chronic RfD derivation and for lack of data.

The chronic inhalation concentration used for the current assessment is the RfC of 0.6 mg/m^3 derived from the US EPA oral TDI for the toddler receptor. In the absence of any acute RfC, the chronic RfC multiply by a factor of 10, was adopted as the acute value.

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8.0 ARSENIC

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	77.95	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.68	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0.0006	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-06}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0	US EPA (2005)
	H	atm-m^3/mol	0.77	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	29	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	0.95	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.03	US EPA (2005)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Arsenic is classified as a metalloid; having both metal and non-metal properties (ATSDR 2007). Toxicity is dependent on its valence state, physical and chemical properties. Arsenic may appear in its trivalent ($^+3$ or $^-3$) or pentavalent ($^+5$) form and may be bound with a myriad of compounds. Therefore, arsenic exposures may result in many different potential effects and toxicological endpoints.

Source

Arsenic is a naturally occurring element that is widely distributed in the earth's crust (ATSDR 2007). It may be released to the environment through anthropogenic activities such as mining and smelting of lead and copper ores, coal-fired power plants, and incinerators. It is also used as a major constituent of some wood preservatives. Soils and dusts may also be a source of arsenic exposure. It is found naturally in plants, animals, erosion of rock, forest fires, water, and soil.

Exposure

Acute

Sensory loss of the peripheral nervous system is one of the most common effects of acute exposure to arsenic. Inorganic arsine gas (AsH_3), one of the most toxic inorganic arsenic compounds, causes acute effects like nausea, vomiting, shortness of breath, and hemolytic reactions. Laboratory animals are generally less sensitive than humans to the toxic effects of inorganic arsenic. Critical effects appear to be immunosuppression and hepato-renal dysfunction in rodents whereas in humans, the skin, vascular system, and peripheral nervous system are the primary target organs (Amdur et al. 1991). Ingestion of large doses (i.e., 70 to 180 mg) of inorganic arsenic can be fatal. Symptoms of acute oral intoxication include fever, anorexia, hepatomegaly, melanosis, and cardiac arrhythmia. The acute lethal dose has been estimated to be about 0.6 mg/kg-d (ATSDR 1989).

Chronic Exposure

With inorganic arsenic in drinking water, liver injury is more characteristic of chronic exposure which manifests as jaundice and may progress to cirrhosis and liver cancer. In adults, the principal health effects from chronic exposure to arsenic include skin effects and disease such as hyperpigmentation and keratosis; vascular disease; respiratory effects and bladder, lung and liver cancer. There are many documented cases of skin cancer related to the consumption of arsenic in drinking water (Amdur et al. 1991). In children, health effects due to oral chronic exposure to arsenic include skin lesions, neurodevelopmental effects, lung disease, and reproductive effects including decreased birth weight, spontaneous abortion and neonatal death (Cal EPA 2008).

Lung absorption is dependent on particle size and water solubility. Small particles in the range of 0.1 to 1 µm are deposited deeper into the lung than larger particles thereby, increasing the potential for absorption. For larger particles (usually 5 µm or more), 80% of the inhaled arsenic will be absorbed even if they are not directly absorbed through the lungs with the mucocillary mechanism (Lagerkvist et al. 1986).

Carcinogenicity

There is a causal association between inhalation exposure to arsenic and skin and lung cancer. Additional studies indicate that arsenic causes cancer of internal organs from oral ingestion (Casarett and Doull 2003). Arsenic is classified as a Group 1 carcinogen (Carcinogenic to Humans) by the International Agency on Cancer Research (IARC 2012).

Toxicological Reference Values

The non-carcinogenic oral toxicological RfD listed by the US EPA (2007) of 0.0003 mg/kg-d was selected for this assessment as the toxicology reference value to assess oral exposures of arsenic. The value is derived from the studies of Tseng (1977) and Tseng et al. (1968), whereby Taiwanese farmers were exposed to arsenic in drinking water. Effects included hyperpigmentation, keratosis and possible vascular complications seen in the exposed population. An uncertainty factor of 3 was applied to the NOAEL to account for the lack of reproductive toxicity data and to account for uncertainty as to whether the NOAEL addresses all sensitive individuals.

An RfC for chronic exposure of $1.5x10^{-5}$ mg/m^3 provided by Cal EPA (2008) is derived from an epidemiological study reporting a decrease of intellectual function in children exposed to arsenic. However, AAAQO list a lower value of $1.0x10^{-5}$ mg/m^3 which is adapted from Texas Chronic ESL. The value of $1.0x10^{-5}$ mg/m^3 from the AAAQO was selected as the chronic TRV for the assessment.

The acute 1-hour TRV of 0.0001 mg/m^3 is taken from the AAAQO (ESRD 2013). The AAAQO acute TRV is adapted from Texas Acute ESL.

The carcinogenic oral slope factor of 1.8 $(mg/kg\text{-}d)^{-1}$ was selected to assess potential carcinogenicity of arsenic. This value is based on an epidemiological study, which involved exposure via drinking water in a human population who was exposed for approximately less

than or equal to 60 years. The mean concentration of arsenic in drinking water was between 300 and 590 µg/L. The critical effects noted included bladder, lung and liver cancer (Health Canada 2009).

The carcinogenic unit risk of 6.4 mg/m^3 was selected from Health Canada (2010) based on an epidemiological study involving an occupationally exposed cohort where a high incidence of lung cancer was observed (Higgins et al. 1982). Health Canada (2010) and RAIS (2010) list a dermal absorption factor for 0.03 for arsenic.

Chemical of Potential Concern Specific Characteristics

Water soluble forms of arsenic compounds are usually more toxic, causing a systemic effect; less soluble compounds are likely to cause a chronic pulmonary effect when inhaled (RAIS 2010). For the less water-soluble compounds like arsenic-trisulphide and lead arsenic, absorption is much lower with absorption rates ranging between 20 to 30% in hamsters (RAIS 2010). The skin is the most critical organ when it comes to toxic effects.

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9.0 BARIUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	139	US EPA (2005a)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2005a)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005a)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005a)
Diffusivity in water	Dw	unitless	$9.57x10^{-06}$	US EPA (2005a)
Henry's Law Constant	H'	unitless	0	US EPA (2005a)
	H	atm-m^3/mol	0	US EPA (2005a)
Soil water partition co-efficient	K_{ds}	cm^3/g	1,000	US EPA (2005a)
Relative absorption factor - ingestion	RAF_{ing}	unitless	0.07	RAIS (2004)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005a)

Source

Barium is relatively abundant in nature and is found in plant and animal tissue. In nature, barium is present in many different forms. Two main forms of barium, barium sulphate and barium carbonate, are often found in nature as ore deposits. Barium is sometimes found naturally in drinking water and food, however, because certain barium compounds (barium sulphate and barium carbonate) do not mix well with water, the amount of barium usually found in drinking water and food is quite small. Barium sulfate ore is mined and used in several industries. It is used mostly by the oil and gas industries to manufacture drilling muds (ATSDR 2007).

Exposure

Acute

The toxicity of barium was dependant on its solubility. Barium poisoning is uncommon, but may result in benign pneumoconiosis following exposure to barium sulphate (Barite) dust. The adverse effects were mild and reversible after cessation of exposure. Poisoning from accidental ingestion of barium salts may result in gastroenteritis, muscular paralysis, and cardiac problems.

Chronic

In one study (Wones et al. 1990), human volunteers were exposed to barium concentrations as high as 10 mg/L in drinking water for 10 weeks. No clinically significant effects were observed. An epidemiological study was completed where human populations ingesting 2 to 10 mg/L of barium in their drinking water were compared to a population ingesting 0 to 0.2 mg/L. No significant individual differences were observed.

US EPA (2005b) reports a long-term study (two years) on mice drinking water containing barium chloride dehydrate in which the test animals experienced nephropathy (tubule dilation, renal tubule atrophy).

It has also been reported that barium can increase mean systolic blood pressure and the prevalence of cardiovascular problem in rats exposed to high concentration of the metal in drinking water (Perry et al. 1983).

Carcinogenicity

Under the *Proposed Guidelines for Carcinogenic Risk Assessment* (US EPA 1996), barium is considered not likely to be carcinogenic to humans following oral exposure and its carcinogenic potential cannot be determined following inhalation exposure.

Toxicological Reference Values

Health Canada (2010) derived an oral RfD of 0.2 mg/kg-d based on a long-term study in mice and rats, in which the animals were exposed to concentrations of 0, 500, 1,250 and 2,500 mg/L of barium in drinking water. The 1,250 mg/L value was considered the NOAEL for barium ingestion. A total uncertainty factor of 300 was applied to this value to account for the most sensitive human subpopulation (10), interspecies variability (10) and database deficiency (3).

The chronic inhalation RfC value of 0.0005 mg/m³ was provided by RAIS (2004).

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10.0 BENZALDEHYDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	106.2	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	1.48	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.001	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0.00109	US EPA (2005)
	H	atm-m^3/mol	$2.67x10^{-5}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.29	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumed
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumed
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumed

Benzaldehyde is an organic aromatic aldehyde. It is colourless and has an almond odour.

Sources

Benzaldehyde is used as a flavour agent and fragrance. It is used in seven cosmetics products in the US, and the highest concentration is 0.5% in perfumes (Andersen 2006). It is used as an intermediate for pharmaceutical and industrial chemicals, as a solvent in resins, oils and cellulose acetates and nitrates. It can be released from combustion processes such as gasoline and diesel engines. Oxidation of hydrocarbons and toluene can form benzaldehyde (Toxnet 2014).

Exposure

Acute

No data has been reported regarding benzaldehyde acute effects.

Chronic

Benzaldehyde is generally regarded as a safe compound. Benzaldehyde rapidly metabolizes into benzoic acid and can cause irritation to the skin. It is absorbed in the body but does not accumulate in a specific tissue. Nasal and ocular irritation was noted in a study with rats exposed to a high concentration of benzaldehyde (Andersen 2006).

Carcinogenicity

Benzaldehyde has not completed evaluation to determine the carcinogenicity of the substance (US EPA 1988).

Toxic Reference Values

US EPA (1988) established an oral RfD of $1.0x10^{-1}$ mg/kg-d. An inhalation RfD was not established. As a result, the chronic inhalation value of 0.199 mg/m^3 was extrapolated from the US EPA oral RfD. The chronic inhalation value multiply by a factor of 10, was adopted as the acute RfD in the absence of other values.

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11.0 BENZENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	78.1	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	2.43	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.088	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.02x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0.23	US EPA (2005)
	H	atm-m^3/mol	0.0056	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.12	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Benzene is a stable colourless liquid at room temperature and normal atmospheric pressure. It is highly flammable and has a high vapour pressure. Therefore, it evaporates rapidly at room temperature. Benzene is slightly soluble in water but miscible with most other organic solvents.

Sources

Benzene is derived from petroleum and is important as an antiknock agent for unleaded gasoline. Cigarette smoke is the major source of benzene in the home. Smokers have a benzene burden 6 to 10 times higher than non-smokers. Gasoline vapour emissions and auto exhaust is the other contributor of benzene exposure.

Exposure

Acute

Experimental data indicates that animals can absorb up to 95% of oral doses and humans can absorb up to 80% of inhaled benzene (after five minutes of exposure) (Srobova et al. 1950; Sabourin et al. 1987). Breathing very high levels of benzene can result in death, while high levels can cause drowsiness, dizziness, rapid heart rate, headaches, tremors, confusion, and unconsciousness. Eating or drinking foods containing high levels of benzene can cause vomiting, irritation of the stomach, dizziness, sleepiness, convulsions, rapid heart rate, and death (ATSDR 2007).

Chronic

Blood is the primary target organ for long-term exposures to benzene. Cell death and decrease in red blood cell counts, which leads to anemia has been observed. A continuation of studies for six days to 23 weeks at 300 ppm in air, showed continued decrease in numbers of mature B- and T-lymphocytes produced in the bone marrow, spleen, and thymus (Rozen and Snyder

1985). Abnormalities of humoral and cell-mediated immune responses following benzene exposure are presumably caused by a defect in the lymphoid stem cell precursors of both T- and B-lymphocytes. It can also cause excessive bleeding and can affect the immune system, thereby, increasing the chance of infection (ATSDR 2007).

Benzene does produce developmental effects (i.e., fetal toxicity, but not malformations) in the offspring of treated animals. However, these effects were manifest mostly at maternally toxic doses (Nawrot and Staples 1979; Seidenberg et al. 1986; Keller and Snyder 1988).

Carcinogenicity

Benzene is carcinogenic in humans and animals by inhalation and in animals by the oral route of exposure. Occupational exposure (inhalation) to benzene has been associated mainly with increased incidences of myeloblastic or erythroblastic leukemias and myeloid and lymphoid leukemias among workers (Aksoy 1989). International Agency for Research on Cancer (IARC 2012) classifies benzene as a Group 1 carcinogen (carcinogenic to humans).

Toxic Reference Values

Cal EPA (2014) chronic inhalation reference exposure level (REL) of 0.003 mg/m³ based on decreased peripheral blood cells in Chinese workers.

Cal EPA (2014) acute inhalation REL of 0.027 mg/m³ based on developmental hematotoxicity in fetal and neonatal mice. The AAAQO (ESRD 2013) list an acute value of 0.03 mg/m^3 based on the Cal EPA study.

Cancer slope factors value of 0.0834 mg/kg-d for the oral and Unit Risk of 0.0033 mg/m^3 for the inhalation exposure pathways were available from Health Canada (2010). A dermal absorption factor of 0.03 is also provided by Health Canada (2010).

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12.0 CADMIUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	112.4	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	-0.07	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0.009	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	1.27	US EPA (2005)
	H	atm-m^3/mol	0.031	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	75	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	0.5	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.01	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Cadmium is currently not believed to be an essential nutrient for animals or man. The main source of cadmium intake is food. In general, most of the cadmium exposure in the population is through food and water that is contaminated by cadmium. This is especially true for food ingestion because cadmium is more readily absorbed by vegetation than other metals. Cadmium is still a relatively rare element (Health Canada 1986). It is uniformly distributed in the earth's crust where it is generally estimated to be present at an average concentration between 0.15 and 0.2 mg/kg (Fleischer et al. 1974). Several studies on human subjects indicate that four to 7% of a single dose of ingested cadmium is absorbed from the intestine (ATSDR 1999).

Source

Cadmium is an element that occurs naturally in the earth's crust. Pure cadmium is a soft, silver white metal. Cadmium is not usually present in the environment as a pure metal, but as a mineral combined with other elements such as oxygen (cadmium oxide), chlorine (cadmium chloride), or sulphur (cadmium sulfate, cadmium sulphide). Cadmium is most often present in nature as complex oxides, sulphides, and carbonates in zinc, lead, and copper ores. The production of nickel-cadmium batteries is one of the primary use of cadmium (ATSDR 1999). Cadmium, a by-product of zinc- and sulphide-ore processing, is also used for metal plating and in pigments and plastics. Cigarette smoking is known to be a considerable exposure source.

Exposure

Acute

Inhalation of high levels of cadmium may severely damage the lungs and can cause death. Acute exposure may induce flu-like symptoms called metal fever (ATSDR 1999). In the hours following exposure to 8.63 mg/m^3 of cadmium, flu-like symptoms began to appear as well as other physiological effects like chest pain while coughing, chills and aching pains in the back and limbs.

Chronic Exposure

Occupational studies of three groups of workers based on their exposure duration (i.e., 4, 9 and 28 years) showed that the incidence of renal dysfunction (proteinuria) increased with the length of exposure (OEHHA 2000). The group with the longest exposure (i.e., 28 years) had been exposed to 0.021 mg/m^3 of cadmium on average. A NOAEL of 0.0014 mg/m^3 of cadmium has been derived from the shortest exposure group (i.e., four years). Gastrointestinal exposures may also occur through ingestion of dust on hands, cigarettes, or food or when dust is removed from the lungs by mucociliary clearance and subsequently swallowed (ATSDR 1999).

Carcinogenicity

Epidemiological studies of workers occupationally exposed to cadmium have not provided conclusive evidence that exposure increases the risk of lung, prostate and renal cancers. Interpreting these results has been proven difficult because of confounding factors like the incidence of smoking and exposure to other possible carcinogens (Health Canada 1986).

The US EPA classifies cadmium as a probable human carcinogen (Group B1) from inhalation exposure based on limited evidence of an increase in lung cancer in humans (Thun et al. 1985). IARC has classified cadmium as carcinogenic to humans (Group I) since their assessment indicates that there is sufficient evidence for carcinogenicity in both human and animal studies (ATSDR 1999).

Toxicological Reference Values

An oral chronic TDI of 0.001 mg/kg-d for cadmium, recommended by Health Canada (2010) based on an epidemiological study with renal tubular dysfunction as the endpoint. This value was used as the oral exposure limit for the current assessment.

ATSDR has an oral chronic value of 0.002 mg/kg-d based on renal effects with an uncertainty factor of 10 (Nogawa et al. 1989).

Chronic inhalation exposure limit was available for noncarcinogenic effects from ATSDR (1999), with an RfC of 1x10^{-5} mg/m^3.

US EPA (1989) listed cadmium as Group B1; probable human carcinogen. For carcinogenic effects, Health Canada (2010) considers inhalation exposures to be carcinogenic and has listed a unit risk of 9.8 mg/m^3.

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13.0 CARBON DISULFIDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	76.14	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	2.2	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.104	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	1.23	US EPA (2005)
	H	atm-m^3/mol	0.03	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.091	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

In nature, small amounts of carbon disulfide are found in gases released to the earth's surface, for example, in volcanic eruptions or over marshes. Microorganisms in the soil can also produce gas containing carbon disulfide. Commercial carbon disulfide is made by combining carbon and sulphur at very high temperatures. Several industries use carbon disulfide as a raw material to make rayon, cellophane, and carbon tetrachloride. Carbon disulfide is also used to dissolve rubber to produce tires and as a raw material to make some pesticides. Carbon disulfide evaporates rapidly when released to the environment. Most carbon disulfide in the air and in surface water is from manufacturing and processing activities (ATSDR 1996).

Exposure

Acute

There is little information regarding the acute toxicity of carbon disulfide following oral or inhalation exposure. ATSDR (1996) report that following an accident involving a railroad car, 27 individuals were exposed via inhalation to an unspecified concentration of carbon disulfide. Subtle and transient changes in pulmonary function were manifested as reduced vital capacity and decreased partial pressure of arterial oxygen (Spyker et al. 1982).

Chronic Exposure

Carbon disulfide is rapidly metabolized by organisms and does not bioconcentrate or biomagnify. Based on the results of epidemiological studies of workers exposed to carbon disulfide and supporting data from experiments conducted on animals, the nervous system appears to be the critical target for carbon disulfide-induced toxicity, manifested most often as

reduced conduction velocity in the peripheral nerves and impaired performance in psychomotor testing (Health Canada 2000). ATSDR (1996) reported also that carbon disulfide can the normal functions of the brain, liver and heart.

Carcinogenicity

There are no definitive data in humans or animals that indicate a carcinogenic potential for carbon disulfide.

Toxicological Reference Values

US EPA (2009) derived an oral RfD of 0.1 mg/kg-d based on an inhalation teratogenic study on rabbits by Hardin et al. (1981). An uncertainty factor of 100 was used to account for intraspecies and extra-species variability.

Health Canada (2000) report a chronic inhalation value (RfC) of 0.1 mg/m^3, which was used in the current assessment. The RfC is from an epidemiological study and is based on the lowest levels associated with a reduction in peripheral nerve conduction velocity in exposed humans. RAIS (2010) lists an acute RfC of 6.2 mg/m^3, but no supporting studies are provided.

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14.0 CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS

Chemical Properties

Parameter		Units	Value*	Source
Molecular weight	MW	g/mol	252	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	6.0	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.043	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0.294	US EPA (2005)
Diffusivity in water	Dw	unitless	n/a	US EPA (2005)
Henry's Law Constant	H'	unitless	1	US EPA (2005)
	H	atm-m^3/mol	$1x10^{-6}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	$1.6x10^5$	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	RAIS (2007)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.13	RAIS (2007)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Notes:
*Values are provided for benzo(a)pyrene.
n/a = Not available.

Source

PAH are a class of hundreds of different chemicals that commonly occur as mixtures in the environment. They typically result from combustion processes especially from diesel fuel, coke, and natural gas sources. They are composed of multiple aromatic carbon rings.

Because they often occur in the environment as mixtures, there is limited toxicological data on PAH mixtures. Therefore, individual PAHs were typically evaluated as separate chemicals in the past for risk characterization without consideration of their potential for interactive effects.

Exposure

Several epidemiologic studies have shown increased mortality due to lung cancer in humans exposed to coke oven emissions, roofing-tar emissions and cigarette smoke. Each of these chemical mixtures contains PAH such as benzo[a]pyrene, chrysene, benz[a]anthracene, benzo[b]fluoranthene, and dibenz[a,h]anthracene as well as other potentially carcinogenic PAH and other carcinogenic and potentially carcinogenic chemicals, tumor promoters, initiators, and co-carcinogens such as nitrosamines, coal tar pitch, and creosote (ATSDR 1995). Multiple studies have shown that exposure to individual or mixture of those carcinogenic PAH may induce tumors in laboratory animals by oral, inhalation and dermal pathways.

Toxicological Reference Values

There are two approaches for the evaluation of carcinogenic PAH. The first method is referred to as the "Individual PAH method or toxic equivalency factor." This method first estimates the carcinogenic potency of benzo(a)pyrene (B(a)P) and then evaluates the remaining carcinogenic PAHs relative to the carcinogenic potency of B(a)P (i.e., "B[a]P equivalents"). The risks

associated with the PAH mixture is then determined by multiplying the total number of B(a)P equivalents with the potency for B(a)P. The result is equivalent to summing up carcinogenic risks attributable to each individual PAH in the mixture.

Alberta Environment (2014) has referred to the toxic equivalency factors for PAH as B(a)P Potency Equivalence Factor.

Alberta Environment Potency Equivalence Factors for Carcinogenic Polycyclic Aromatic Hydrocarbons

Carcinogenic PAH Compound	Potency Equivalence Factor
Anthracene	0.1
Benzo(b+j)fluoranthene	0.1
Benzo[ghi]perylene	0.01
Chrysene	0.01
Fluoranthene	0.001
Indeno[1,2,3-c,d]pyrene	0.1
Benz[a]anthracene	0.1
Benzo[k]fluoranthene	0.1
Benzo[a]pyrene	1
Dibenz[a,h]anthracene	1

The other approach for evaluating the risks of carcinogenic PAH is referred to as the "Whole Mixture Model." This approach assumes that the carcinogenic potency of the PAH mixture is directly proportional to the concentration of B(a)P in the mixture. The risk is determined by multiplying the concentration of B(a)P of the mixture and the carcinogenic potency of the B(a)P surrogate. In other words, B(a)P acts as a surrogate for all other PAH present in the mixture and assumes the potency of the entire PAH fraction.

US EPA (1994) has derived an oral cancer potency factor of 2.9 mg/kg-d based on the incidence of gastric tumours (i.e., papillomas and squamous cell carcinomas) in male and female mice.

The International Agency for Research on Cancer (IARC 2012) classifies PAH as a Group 1 carcinogen (carcinogenic to humans). OEHHA (2009) provides an inhalation unit risk of 1.1 mg/m^3.

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15.0 CHROMIUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	51.996	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.127	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.41x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0	US EPA (2005)
	H	atm-m^3/mol	0	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.19	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	0.005	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.001	US EPA (2005)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Source

Chromium is a naturally-occurring element found in rocks, animals, plants, and soil where it exists in combination with other elements to form various compounds (ATSDR 2012). The three main forms of chromium are chromium(0), chromium(III), and chromium(VI). Chromium (VI) is used in the metallurgy industry to produce chrome alloys and for chrome plating. On the other hand, trivalent chromium, in the form of salts, are used in the tanning, and textile dyeing process, as well as, in ceramics, glass and to a lesser extent photography (Health Canada 1986).

Effects

Acute

The respiratory tract is the major target organ for inhalation exposures to chromium (VI) compounds in humans and animals. Irritation of the upper respiratory tract (nasal cavity), mucosal atrophy and decreases in pulmonary function have been observed with occupational exposure levels above 0.002 mg chromium(VI)/m^3 as chromium trioxide (ATSDR 2012).

The major acute effect of chromium ingestion is renal tubular necrosis (Casarett and Doulls 2003).

Chronic

Hexavalent chromium is corrosive and might cause ulceration and perforation of mucus tissue. A lower dose will cause hepatotoxicity, irritation and corrosion of the gastrointestinal mucosa with occasional encephalitis and an enlarged liver.

Carcinogen

The hexavalent form is the one that has the most potent toxic effects and is recognized to be a human carcinogen (Group 1) by IARC (1980, 1987, 1990). It is related to higher occurrence of respiratory tract cancer among workers of the pigment and chrome ore refining industry because they were exposed to the toxic hexavalent form which does not occurs naturally.

Toxicological Reference Values

Health Canada (2010) provides an oral chronic RfD of 0.001 mg/kg-d of trivalent chromium based on the absence of an effects in rats and rabbit where they ingested water containing potassium chromate (Cr^{+3} for six months (Health Canada 1986).

Alberta suggests an acute ambient air quality objective (AAAQO) of 0.001 mg/m³, based on the Texas ESL of 0.00013 mg/m³ for hexavalent chromium (ESRD 2013). The latter value was derived from a sub-acute study on rats exposed to sodium dichromate for eight weeks. The endpoint was increased weight of the lung upon histological examination, which was an indicator of inflammation (TCEQ 2014). The AAAQO value of 0.001 mg/m³ was used in the assessment.

US EPA (2014) developed a chronic inhalation RfC of 0.0001 mg/m³ for chromium (VI) particulates, using a benchmark concentration approach, from studies on rats exposed for over 90 days to chromium particulates. A modifying factor of 300 was applied to account for using a less than lifetime exposure (10) and for intraspecies variability (10). An additional uncertainty factor of 3 was included because of the uncertainty in the pharmacodynamic differences.

The unit risk of 11 mg/m³ developed by Health Canada (2010) for a 1 in 100,000 risk level was based on a lung cancer study on workers exposed to chromate for over one year.

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16.0 CARBON MONOXIDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	28.01	WHO (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	n/a	n/a
Diffusivity in air	Da	cm^2/sec	n/a	n/a
Fraction in vapour phase	Fv	unitless	n/a	n/a
Diffusivity in water	Dw	unitless	n/a	n/a
Henry's Law Constant	H'	unitless	n/a	n/a
	H	atm-m^3/mol	$5.8x10^4$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	n/a	n/a
Relative absorption factor - ingestion	RAF_{ing}	unitless	n/a	n/a
Relative absorption factor - dermal	RAF_{derm}	unitless	n/a	n/a
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Note:
n/a = Not available.

Carbon monoxide is a colourless, odourless and toxic gas commonly found and responsible for numerous fatalities annually.

Source

Carbon monoxide may be produced from incomplete combustion of liquid, solid and gaseous fuels. It can also be produced from furnaces, wood stoves, heaters, gas stoves, and fireplaces. Motor vehicle emission is one of the largest emitters of carbon monoxide (NH DES 2007).

Exposure

Acute

Exposure to carbon monoxide impedes the ability for blood to carry oxygen to the body organs and tissue. Hemoglobin binds to carbon monoxide when inhaled and produces carboxyl-hemoglobin which decreases hemoglobin's oxygen carrying capacity. These affects manifest as headaches, nausea, rapid breathing, weakness, exhaustion and dizziness. Exposure to acute high concentrations of carbon monoxide is from cellular hypoxia causes carbon monoxide poisoning, which can result in irreversible effects, brain and heart damage (CDC 2013).

Chronic Exposure

A study done on rats exposed chronically to 200 ppm carbon monoxide for 20 h/d for 72 weeks did not have changes in histopath in the lung tissue. The weight of the heart ventricles increased left and right by 20% and 14%, respectively (ATSDR 2012).

Affects during chronic carbon monoxide exposure can be exasperated when the individual has a pre-existing lung or pulmonary condition. Studies have also been done to show the correlation between long-term carbon monoxide exposure and increased susceptibility to those with previous conditions (ATSDR 2012).

Carcinogenicity

Carbon monoxide has not been assessed for carcinogenicity (ATSDR 2012).

Toxicological Reference Values

ESRD (2013) established a 1-hour and 8-hour acute inhalation exposure of 15 mg/m^3 and 6 mg/m^3, respectively, based on the oxygen carrying capacity of blood for the AAAQO.

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17.0 COBALT

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	59	US EPA 2005
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA 2005
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA 2005
Fraction in vapour phase	Fv	unitless	0	US EPA 2005
Diffusivity in water	Dw	unitless	$9.57x10^{-6}$	US EPA 2005
Henry's Law Constant	H’	unitless	0	US EPA 2005
	H	atm-m^3/mol	0	US EPA 2005
Soil water partition co-efficient	K_{ds}	cm^3/g	45	US EPA 2005
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Cobalt is naturally found in most rocks, soil, water, plants, and animals, typically in small amounts. Cobalt is also found in meteorites. Elemental cobalt is a hard, silvery grey metal. However, cobalt is usually found in the environment combined with other elements such as oxygen, sulphur, and arsenic. Small amounts of these chemical compounds can be found in rocks, soil, plants, and animals. A biochemically important cobalt compound is Vitamin B12 or cyanocobalamin. Vitamin B12 is essential for good health in animals and humans.

Cobalt metal is usually mixed with other metals to form alloys, which are harder or more resistant to wear and corrosion. These alloys are used for artificial hip and knee joints. Cobalt compounds are used as colourants in glass, ceramics, and paints, as catalysts, and as paint driers. Cobalt colourants have a characteristic blue colour; however, not all cobalt compounds are blue. Cobalt compounds are also used as trace element additives in agriculture and medicine (ATSDR 2004).

Exposure

Acute

Short-term occupational exposure to cobalt dust or fumes can cause eye and respiratory tract irritation, headaches, vertigo, drowsiness, and a condition known as "metal fume fever". This 24 to 48-hour illness was characterized by influenza-like symptoms with chills, fever, aching muscles, and dryness in the mouth and throat (ATSDR 2004).

Chronic Exposure

There are few toxicological problems related to cobalt oral-intake. Cardiomyopathy has been observed on heavy beer drinkers, probably because of the addition of 1 ppm of cobalt used to enhance its foaming qualities (Casarett and Doull 1991). Inhalation-related effects are well-known, especially among people who work with Hard-Metal, which is an alloy of Tungsten carbide and cobalt. These effects include respiratory irritation, diminished pulmonary function, wheezing, asthma, pneumonia, and fibrosis and occurred at exposure levels ranging from 0.007 to 0.893 mg cobalt/m³ (ATSDR 2004).

No reproductive or ocular effects are known to be associated with cobalt exposure. In a few studies on occupational exposure, some nervous effects, like memory loss and nerve deafness, were observed on workers.

Carcinogenicity

There is no evidence to date that indicate cobalt can cause cancer in humans. US EPA does not classify cobalt as a human carcinogen (Group D) because there were no adequate human or animal cancer studies that demonstrate a causal relationship.

Toxicological Reference Values

RAIS (2015) has an oral RfD of 0.0003 mg/kg-d, based on decreased thyroidal functions resulting from an impairment in iodine uptake.

The chronic inhalation value of $6x10^{-6}$ mg/m^3 provided by RAIS (2015) is stated to be provisional (PPRTV), and is derived from an adjusted NOAEL for respiratory tract irritation and decreased lung functions.

References

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18.0 COPPER

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	64	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	-0.57	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	1.03	US EPA (2005)
	H	atm-m^3/mol	0.025	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	430	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	0.3	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Source

Copper occurs naturally in the environment and also found in plants and animals. It is extensively used in numerous industries and is present in quantities of everyday use objects, like coins, water pipes and electric wires. Until its recent ban in Canada (in 2004), it was used as a wood preservative in the form of copper/chromium/arsenate. It is also used in electroplating, in photography, as a catalyst in the chemical industry, and for the removal of mercaptans in oil refining process. Humans can be exposed to relatively high levels of soluble copper in drinking water if the water is corrosive and copper plumbing and brass water fixtures are present (ATSDR 2004).

Exposure

Acute

Short-term occupational exposure to copper dust or fumes can cause eye and respiratory tract irritation, headaches, vertigo, drowsiness, and a condition known as "metal fume fever". This 24 to 48-hour illness was characterized by an influenza-like symptoms with chills, fever, aching muscles, and dryness in the mouth and throat (ATSDR 2004).

The reported adverse health effect of acute copper ingestion was gastrointestinal distress. Nausea, vomiting, and/or abdominal pain have been reported, usually occurring shortly after drinking a copper sulfate solution, beverages that were stored in a copper or unlined brass container, or acidic first draw water (i.e., water that sat in the pipe for some time). The same observed effects were also reported in animal studies but were not usually persistent.

Chronic Exposure

Limited data are available on the long-term toxicity of copper. There are two groups recognized as being at risk from the toxic effects of chronic ingestion of high doses of copper. The first group was individuals with glucose-6-phosphate (G-6P) dehydrogenase deficiencies. The second group of individuals were those with Wilson's disease, an inborn error of copper metabolism in which copper accumulates in the brain, liver and kidney (Health Canada 1992).

Low levels of copper are essential for maintaining good health. High levels can cause harmful effects such as irritation of the nose, mouth and eyes, vomiting, diarrhea, stomach cramps, nausea, and even death. Ingestion of gram quantities of copper may cause systemic toxicity including hemolysis, hepatic necrosis, gastrointestinal bleeding, oliguria, azotemia, hemoglobinuria, hematuria, proteinuria, hypotension, tachycardia, convulsions, coma, and death (ATSDR 2004).

Carcinogenicity

There is no evidence to date that indicate copper can cause cancer in humans. US EPA does not classify copper as a human carcinogen (Group D) because there were no adequate human or animal cancer studies that demonstrate a causal relationship.

Toxicological Reference Values

ATDSR lists an oral chronic minimal risk level of 0.01 mg/kg-d. This value is based on the onset of gastrointestinal disturbances in women ingesting 0.0731 mg/kg-d of copper in drinking water for two weeks. No adverse effects were observed at a drinking water dose of 0.0272 mg/kg-d (Pizarro et al. 1999).

Health Canada lists oral TDIs for copper for different age groups. The value for toddler is 0.091 mg/kg-d based on a clinical human study where subjects ingested copper gluconate for 12 weeks. The TDI were for the other age groups was adjusted based on their specific age class body weights relative to the toddler (Health Canada 2010). This value was use in the assessment.

Chronic inhalation values were not identified and therefore a value of 0.181 was extrapolated from the Health Canada TDI of 0.091 mg/kg-d for the assessment.

Cal EPA provides an acute inhalation REL of 0.1 mg/m^3 based on multiple occupational studies where the endpoint was respiratory distress from metal fume fever (Cal EPA 2008).

Chemical of Potential Concern Specific Characteristics

Copper deficiency leads to more serious conditions because of its central role in a number of metalloenzymes. These metalloenzymes are involved notably in hemoglobin formation, drug/xenobiotic metabolism, carbohydrate metabolism, catecholamine biosynthesis, the cross-linking of collagen, elastin, and hair keratin, and the antioxidant defense mechanism. Symptoms associated with copper deficiency in humans include normocytic, hypochromic anemia, leukopenia, and osteoporosis (ATSDR 2004).

References

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19.0 ETHYLBENZENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	$1.06x10^{2}$	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	3.10	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	$7.50x10^{-2}$	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1.00	US EPA (2005)
Diffusivity in water	Dw	unitless	$7.80x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$3.24x10^{1}$	US EPA (2005)
	H	atm-m^3/mol	$7.90x10^{-3}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	$7.30x10^{-1}$	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Ethylbenzene is a colourless, flammable liquid with a strong odour (ATSDR 2010) generally found in gasoline and as a solvent in customer products. It is found in a group of compounds known as BTEX which include benzene, toluene, ethylbenzene and xylenes (Health Canada 2007).

Source

Ethylbenzene is widely used in the chemical industry for plastics, pharmaceuticals and pesticides and is a natural component of petroleum gasoline. Petroleum and coal refineries, and consumer products. It can also be released from underground or above ground gasoline storage tanks into the soil, water and air (Health Canada 2007).

Exposure

Acute

Acute exposures to high atmospheric concentrations of ethylbenzene may cause eye and respiratory tract irritation and central nervous system (CNS) effects (e.g., coordination disorders, dizziness, vertigo, narcosis, convulsions, pulmonary irritation, and conjunctivitis) (Ivanov 1962). Concentrations of 200 ppm (879 mg/m^3) have been identified as causing eye irritation, with exposure to 100 ppm (440 mg/m^3) over eight hours causing irritation (HSDB 2012).

Ingestion of ethylbenzene is likely to cause CNS depression, oro-pharyngeal and gastric discomfort, and vomiting (HSDB 2012); however, specific experimental data are not available.

Chronic

Animal studies indicate that the primary target organs following chronic oral exposures are likely to be the liver and kidney. The oral RfD for chronic exposures is 0.1 mg/kg-d, based on increased Ingestion of ethylbenzene is likely to cause CNS depression, oro-pharyngeal and gastric discomfort, and vomiting (HSDB 2012); however, specific experimental data are not available. Animal studies indicate that the primary target organs following chronic oral exposures are likely to be the liver and kidney.

Workers exposed to ethylbenzene solvents during a 1-year observation period had an increased number of lymphocytes and a decreased level of hemoglobin levels. Studies done on rats and mice show that chronic exposure to ethylbenzene identify the kidney as a sensitive target organ.

Carcinogenicity

The US EPA has determined ethylbenzene is classified in Class D and cannot be classified as a human carcinogen (US EPA 1996). While neither Health Canada nor the US EPA have developed TRVs based on a carcinogenic end-point for ethylbenzene, Cal EPA has developed an inhalation unit risk of 0.0025 $(mg/m^3)^{-1}$ and an oral cancer slope factor of 0.011 $(mg/kg\text{-}d)^{-1}$ based on incidence of kidney cancer (renal tubule adenoma or carcinoma) in male rats (Cal EPA 2007).

Toxicological Reference Value

Health Canada provides a TDI of 0.1 mg/kg-d based on histopathological changes in the liver and kidney and a tolerable concentration (TC) of 1 mg/m^3. This is based on developmental effects after three dosing regimens on rabbits and rats. Reduced litter sizes, increased liver, kidney and spleen weights and changes in the skeleton were used as critical health effects (Health Canada 2010).

The oral TDI from Health Canada (2010) is based on a subchronic rat study with four dosing levels five days a week for 182 days via food. The critical health effects observed were histopathic liver and kidney changes.

The acute 1-hour TRV of 2 mg/m^3 is taken from the AAAQO (ESRD 2013). The AAAQO acute TRV is adapted from Texas Acute ESL of 20 mg/m^3 and is based on a study on rats demonstrating ototoxicity (TCEQ 2013).

References

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20.0 FLUORANTHENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	202.256	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	5.00	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.001	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0.992	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$6.56x10^{4}$	US EPA (2005)
	H	$atm\text{-}m^3/mol$	$1.60x10^{-5}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	$1.10x10^{4}$	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1.00	Assumed
Relative absorption factor - dermal	RAF_{derm}	unitless	0.13	RAIS (2014)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1.00	Assumed

Source

Fluoranthene is a 4-ringed aromatic hydrocarbon consisting of four benzene rings and is one chemical in a class of chemicals referred to as PAH. They are often found in groups of two or more. It is also known as benzo(j,k)fluorene.

Fluoranthene is a derivative of coal production. It is an intermediate for the manufacturing of pharmaceuticals, agrochemicals and dyes. It is released in the air from the combustion of organic matter and from fossil fuel production (IARC 1983). Its release is at its highest in anthropogenic source areas.

Exposure

A large database exists for the acute and chronic effects of PAHs with most focused on benzo[a]pyrene. The toxicological literature is not as extensive with fluoranthene.

Acute

PAH have a low acute oral toxicity. Fluoranthene can be absorbed through the skin following dermal exposure (Storer et al. 1984) and based on other similar PAH structures, it would be expected to be absorbed through the lungs and gastrointestinal tract.

Chronic

Occupational exposure to PAHs results in conditions including chronic cough, bronchitis, dermatitis, and cutaneous photosensitivity (ATSDR 2008). The target organs are primarily the kidney and liver.

Exposure to fluoranthene in rats has resulted in nephropathy, increased liver weight and increased liver enzymes which resulted in liver lesions (US EPA 1993a).

Carcinogenicity

Under *Guidelines for Carcinogen Risk Assessment* (US EPA 1993a, 1993b), there is inadequate information to assess the carcinogenic potential of fluoranthene.

Toxicological Reference Value

An oral chronic RfD of 0.04 mg/kg-d was listed by US EPA (1993a). The value was extrapolated from a NOAEL.

A subchronic oral RfD of 0.4 mg/kg-d was derived from a 13-week subchronic toxicity studies were mice were fed doses of fluoranthene. Treated mice experienced nephropathy, liver enzyme increase and increased salivation. The mice fed the highest dose of 500 mg/kg-d experienced weight gain. Uncertainty factors were added to account for intraspecies, interspecies and for the use of subchronic data (US EPA 1993a, 1993b). The chronic oral RfD from US EPA were adopted as the TRVs in the current assessment.

A chronic RfC of 0.014 mg/m^3 is provided by MDEQ (2013). It is extrapolated from the US EPA RfD of 0.04 mg/kg-d.

Exposure risk to fluoranthene, was evaluated with the other PAHs in the assessment according to the Health Canada's guidance, assuming its carcinogenicity (PEF) is 0.001.

References

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21.0 FLUORENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	166.223	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	4.2	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.001	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	n/a	n/a
	H	atm-m^3/mol	$6.4x10^{-5}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	2,100	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1.00	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.13	RAIS (2015)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1.00	Assumption

Source

Fluorene is a PAH that can be derived from coal tar. Occurring ubiquitously in products of incomplete combustion of fossil fuels, fluorene has been identified in ambient air, surface, drinking, and wastewater, and in charbroiled foods (IARC 1983).

Exposure

A large database exists for the acute and chronic effects of PAHs with most focused on benzo[a]pyrene. The toxicological literature is not as extensive with fluorene.

Acute

PAH have a low acute oral toxicity. Fluorene can be absorbed through the skin following dermal exposure (Storer et al. 1984) and based on other similar PAH structures, it would be expected to be absorbed through the lungs and gastrointestinal tract.

Chronic

Occupational exposure to PAHs results in conditions including chronic cough, bronchitis, dermatitis, and cutaneous photosensitivity (ATSDR 2008). The target organs are primarily the kidney and liver.

Exposure to fluorene in rats has resulted in decreased hemoglobin concentration and increased total serum bilirubin levels (US EPA 1990).

Carcinogenicity

The US EPA has classified fluorene as a Group D, not classifiable as to human carcinogenicity (US EPA 1990). Carcinogenicity studies involving rats exposed to fluorene through their diet for approximately 18 months, mice exposed through skin painting assays, and mice exposed through subcutaneous injections have not identified an increase in tumours and/or carcinogenic activity (Shear 1938; Riegel et al. 1951; Morris et al. 1960; LaVoie et al. 1979).

Toxicological Reference Value

An oral chronic RfD of 0.04 mg/kg-d was listed by US EPA (1990). The value was extrapolated from a NOAEL of 125 mg/kg-d with an uncertainty factor of 3,000. The study animals (mice) experienced decreased hemoglobin concentration and a significant decrease in red blood cells.

The chronic oral RfD from US EPA were adopted as the TRVs in the current assessment.

Chronic inhalation values were not identified and therefore a value of 0.0795 mg/m^3 was extrapolated from the US EPA RfD of 0.04 mg/kg-d for the assessment.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 1990. *Toxicological Profile for Polycyclic Aromatic Hydrocarbons. Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,i,h)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1.2.3-c,d)pyrene, Phenanthrene, Pyrene*. Prepared by Clement International Corporation, under Contract No. 205-88-0608. ATSDR/TP-90-20.

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22.0 FORMALDEHYDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	$3.00x10^{1}$	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	$3.50x10^{-1}$	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	$1.78x10^{-1}$	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1.00	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.98x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$1.38x10^{-5}$	US EPA (2005)
	H	atm-m^3/mol	$3.36x10^{-7}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	$2.00x10^{-2}$	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1.00	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.13	RAIS (2015)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1.00	Assumption

Formaldehyde is a colourless, flammable gas at room temperature. It has a pungent, distinct odour and may cause a burning sensation to the eyes, nose, and lungs at high concentrations.

Source

Formaldehyde is naturally produced in very small amounts in our bodies as a part of our normal, everyday metabolism and causes us no harm. It can also be found in the air that we breathe at home and at work, in the food we eat, and in some products that we put on our skin. A major source of formaldehyde that we breathe every day is found in smog in the lower atmosphere (ATSDR 2010). Formaldehyde enters the air from combustion and emissions from construction material and household product.

Exposure

Acute

Controlled exposure human studies have found that short-term inhalation exposures to concentrations ranging from 0.4 to 3 ppm can produce symptoms of mild to moderate irritation of the eyes, nose, and throat. The odour threshold for formaldehyde in humans has been reported to be 1 ppm (Leonardos et al. 1969).

Irritant effects of formaldehyde on the eyes, nose and throat have been observed at its lowest measurable concentration in air. An association between formaldehyde exposure and lung and nasopharyngeal cancer have been demonstrated in limited human studies. Animal inhalation studies have found an increased incidence of nasal cancers.

Chronic

The respiratory tract, especially the upper respiratory tract, is a critical target of the toxicity of airborne formaldehyde as shown by acute controlled exposure human studies, by studies of humans exposed acutely or repeatedly under occupational or residential conditions, and by studies of animals (including primates) exposed by inhalation for acute, intermediate, and chronic durations (ATSDR 2010).

Carcinogenicity

US EPA (2010) derived an inhalation unit risk of 0.013 $(mg/m^3)^{-1}$ for exposures. Increases in nasal tumor cavities were found in rats exposed orally to formaldehyde. The US EPA has classified formaldehyde as a Group B1 (probable carcinogen). This classification is based on limited human evidence, although sufficient animal evidence was provided as significant statistical links to site-specific respiratory neoplasms and nasal squamous cell carcinomas in long term rat and mice studies.

US EPA (2010) provides an oral slope factor of 0.2 $(mg/kg\text{-}d)^{-1}$ for formaldehyde based on the exposure of contaminated drinking water in male and female rats.

Toxicological Reference Value

Health Canada (2004) derived a TDI of 2.6 mg/L for oral exposures to formaldehyde based on a NOAEL of 260 mg/L formaldehyde (and an uncertainty factor of 100) from a two year drinking water study in rats. The associated endpoint was histopathological changes in the gastrointestinal tract. This was adjusted to an RfD of 0.095 mg/kg-d assuming a toddler child consumes 0.6 L/d and a body weight of 16.5 kg.

Cal EPA (2008) derived an acute REL of 0.055 mg/m^3 based on mild and moderate eye irritation.

Health Canada did not derive a TC for formaldehyde. Cal EPA (2008) has a chronic REL of 0.009 mg/m^3 for respiratory and eye effects.

US EPA (2010) provides an inhalation unit risk of 0.013 $(mg/m^3)^{-1}$.

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23.0 HEXANE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	86.2	HSDB (2014)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	3.9	HSDB (2014)
Diffusivity in air	Da	cm^2/sec	0.073	HSDB (2014)
Fraction in vapour phase	Fv	unitless	1	HSDB (2014)
Diffusivity in water	Dw	unitless	$8.17x10^{-6}$	HSDB (2014)
Henry's Law Constant	H'	unitless	73.6	HSDB (2014)
	H	atm-m^3/mol	1.8	HSDB (2014)
Soil water partition co-efficient	K_{ds}	cm^3/g	132	HSDB (2014)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

n-Hexane is a chemical made from crude oil. Pure *n*-hexane is a colourless liquid with a slightly disagreeable odour. It is highly flammable, and its vapours can be explosive (ATSDR 1999).

Coldness, reddishness, or roughness of the skin in the distal extremities was observed in 59.2% of 93 workers with peripheral neuropathy after occupational inhalation exposure to *n*-hexane (Yamamura 1969).

Exposure

Acute

In acute-duration inhalation studies on *n*-hexane in experimental animals, no deaths were reported in pregnant Fischer 344 rats exposed to 1,000 ppm *n*-hexane for six hours a day for five or nine days (Bus et al. 1979) or male Sprague-Dawley rats exposed to 5,000 ppm for 24 hours and observed for a further 14 days (De Martino et al.1987). Exposures at 5,000 ppm in pregnant rats for 20 hours a day for 14 days, or in male mice for 20 hours a day for five consecutive days, also resulted in no deaths (Mast et al.1987).

Chronic

Male New Zealand rabbits exposed to 3,000 ppm of n-hexane eight hours a day, five days a week for 24 weeks showed signs of respiratory tract irritation (nasal discharge) and breathing difficulties (gasping, lung rales, mouth breathing) throughout the study (Lungarella et al.1984).

Toxicological Reference Values

US EPA (2010) provides a chronic inhalation reference value of 0.7 mg/m^3.

The acute 1-hour TRV of 21 mg/m^3 is taken from the AAAQO (ESRD 2013). The AAAQO acute TRV is adapted from the Cal EPA 24-hour Acute REL of 7 mg/m^3, based on reduced sensory action potentials and reduced motor action potentials.

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24.0 HYDROGEN SULPHIDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	34.08	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.176	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.61x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0.3526	US EPA (2005)
	H	atm-m^3/mol	0.0086	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	n/a	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1.00	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1.00	Assumption

Hydrogen sulphide (H_2S) is a flammable, colourless gas with a sweetish taste and characteristic odour of rotten eggs that can be poisonous at high concentrations. People usually can smell H_2S at low concentrations in air, ranging from 0.0005 to 0.3 ppm, however, at high concentrations, a person might lose their ability to smell it (ATSDR 2006).

Source

H_2S occurs both naturally and from human-made processes. It is in the gases from volcanoes, sulphur springs, undersea vents, swamps, and stagnant bodies of water and in crude petroleum and natural gas. Industrial sources of H_2S include petroleum refineries, natural gas plants, petrochemical plants, coke oven plants, food processing plants, and tanneries (ATSDR 2006).

Exposure

Acute

Exposure to low concentrations of H_2S may cause irritation to the eyes, nose, or throat. Brief exposures to high concentrations of H_2S (greater than 500 ppm) can cause a loss of consciousness. In most cases, the person appears to regain consciousness without any other effects. However, in some individuals, there may be permanent or long-term effects, such as headaches, poor attention span, poor memory, and poor motor function.

Chronic

No health effects have been found in humans exposed to typical environmental concentrations of H_2S (0.00011 to 0.00033 ppm). Deaths due to breathing in large amounts of H_2S have been reported in a variety of different work settings, including sewers, animal processing plants, waste dumps, sludge plants, oil and gas well drilling sites, and tanks and cesspools (ATSDR 2006).

Toxicological Reference Value

The chronic inhalation RfC of $2.0x10^{-3}$ mg/m^3 used for this study was provided by US EPA (2011). The RfC is based on nasal lesions of the olfactory mucosa in a rat subchronic inhalation study by Brenneman et al. (2000).

The acute 1-hour and 24-hour TRV of 0.014 mg/m^3 and 0.004 mg/m^3 are taken from the AAAQO (ESRD 2013) and are based on odour perception.

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25.0 LEAD

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	209.21	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.73	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	1.03	US EPA (2005)
	H	atm-m^3/mol	0.025	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	900	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	US EPA (2005)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

The systemic toxic effects of lead in humans have been well-documented by the US EPA (1986, 1989, 1990) and ATSDR (2007). The evidence shows that lead is a multi-targeted toxicant, causing effects in the gastrointestinal tract, hematopoietic system, cardiovascular system, central and peripheral nervous systems, kidneys, immune system, and reproductive system.

At low levels in the body, lead can diminish the production of haemoglobin, which can lead to anaemia. Lead is known to be associated with impaired neurobehavioral function in children, and population studies have shown that a reduction of one to three points of intelligence quotient (IQ) can be associated with a lead blood level of 100 µg/l (Baars et al. 2001).

Source

Lead's properties (density, malleability, ductility, resistance to corrosion, and poor electrical conductivity), make for widespread use in several industries. Environmental contamination with lead is most often the result of its use in storage batteries, ammunition, and ceramics, and its historical use in herbicides, gasoline, plumbing products, solder, and paints. The related contamination remains a source of exposure to lead for prolonged period of time. Lead occurs naturally in the environment. However, the vast majority of the high levels found throughout the environment come from past and present human activities. Environmental levels of lead have increased dramatically (in the order of a 1,000-fold) in the last few centuries as a result of its extensive usage. The greatest increase (between 1950 and 2000) is a reflection of the general use of leaded gasoline (in the form of tetraethyl lead additive).

Exposure

Acute

Lead's severe effects on the CNS are well established. Common signs of acute intoxication include dullness, restlessness, irritability, poor attention span, headaches, muscle tremor, hallucinations and loss of memory with encephalopathy. These symptoms are associated with blood lead levels of 100 to 120 µg/dL in adults and 80 to 100 µg/dL in children (Health Canada 1992). Lead can also cause tubular renal damage (proteinuria, glycosuria) that can be reversible after short-term exposure.

Chronic Exposure

Long-term exposure to lead can cause tubular sclerosis and may result in chronic renal failure. A large amount of information is available on the chronic health effects of lead on human health, some of it has been known for centuries. However, extensive research in the last few decades has found that levels of exposure resulting in relatively low levels of lead in blood (e.g., <20 µg/dL) are now associated with adverse effects in the body development, mainly the brain and nervous system. Another adverse effect of lead exposures is the elevated blood pressure as a result of altered kidney functions (ATSDR 2007).

However, the most vulnerable receptors to the effects of lead are young children and infants because of the possible permanent damage resulting from lead exposure. The critical effect of lead intoxication in young children and infants is on the development of the brain and the nervous system. Subtle effects on IQ are expected from blood lead levels at least as low as 5 µg/dL (50 µg/L) and the effects gradually increase with increasing levels of lead in blood. A review of the current scientific evidence indicates effects at lower levels did not provide any indication of a threshold for the key adverse effects of lead. Lead exposure has also been linked epidemiologically to attention deficit disorder and aggression (WHO 2010).

Children are at greater risk of adverse effects than for adults because in children, the intake of lead per unit body weight is higher, more dust may be ingested, lead absorption in the gastrointestinal tract is higher, the blood–brain barrier is not yet fully developed and neurological effects occur at lower levels than in adults (WHO 2010).

Carcinogenicity

IARC (2006) determined that organic lead compounds are not classifiable as to their carcinogenicity in humans based on inadequate evidence from studies in humans and in animals.

Toxicological Reference Values

Rijksinstituut voor Volksgezondheid en Milieu (Baars et al. 2001) provided an oral value of 3.57 µg/kg/d based on a weekly value of 25 µg/kg/d, which has been established to avoid lead blood level exceeding 50 µg/L in order to protect children against impaired neurological development (IPCS 1995).

Cal EPA, along with WHO (2010), suggest that an increase in blood lead level (BLL) of 1 µg/dL over baseline should be considered of concern, based on a possible decrease in IQ of 1 point for a given population.

Health Canada does not provides a TRV for the moment.

Chemical of Potential Concern Specific Characteristics

Fetuses, neonates, and children may also be more sensitive to the effects of lead than adults because lead affects the developing nervous system at levels that have not been shown to affect the mature nervous system (Needleman 1982). Koller (2004) concluded that there is no margin of safety at existing exposures.

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26.0 MANGANESE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	55	US EPA (2007)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2007)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2007)
Fraction in vapour phase	Fv	unitless	0	US EPA (2007)
Diffusivity in water	Dw	unitless	$9.57x10^{-06}$	US EPA (2007)
Henry's Law Constant	H'	unitless	1	US EPA (2007)
	H	atm-m^3/mol	0.0245	US EPA (2007)
Soil water partition co-efficient	K_{ds}	cm^3/g	3	US EPA (2007)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	US EPA (2007)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	US EPA (2007)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2007)

Manganese can exist in oxidative states -3 to +7 with the most common being +4 in the chemical form of manganese dioxide (Keen and Leach 1988). Pure manganese does not occur naturally, i.e., it must be combined with such elements as oxygen, sulphur or chlorine (ATSDR 2012).

Source

Manganese is an essential trace element and is found in low levels in soil, water, air, and food and constitutes 0.1% of the earth crust (ATSDR 2012). It is found in over 100 common salts and mineral complexes that are distributed in the earth's crust. Manganese is used in the steel industry, in the manufacture of dry cell batteries, and as an oxidizing agent in chemical industries (Health Canada 1987).

Exposure

Acute

Inhalation of manganese oxide fumes can cause chills, sweating, nausea, and coughing. Influenza-like symptoms occur 4 to 12 hours after exposure and diminish after 24 hours (ATSDR 2012).

Chronic

Inhalation exposure to manganese dust will cause cough, colds, dyspnea, bronchitis, and reduced lung ventilation parameters. The CNS is the primary target of manganese intoxication. Initial symptoms are headache, insomnia, disorientation, anxiety, lethargy, and memory loss. These symptoms progress with exposure and eventually include motor disturbances, tremors, and difficulty in walking, symptoms similar to those seen with Parkinson disease (RAIS 1995).

Effects on reproduction (e.g., decreased fertility, impotence) have been observed in humans with inhalation exposure and in animals with oral exposure at the similar doses that initiate the CNS effects (ATSDR 2012).

Carcinogen

The EPA has classified manganese Class D; not classifiable as a human carcinogen. This conclusion is based on the lack of adequate studies to assess the carcinogenicity of manganese (US EPA 1996).

Toxicological Reference Values

US EPA (1996) has adopted a chronic inhalation RfC of 0.00005 mg/m³ based on an uncertainty factor of 1,000 taken from an occupational exposure study to manganese dioxide (Roels et al. 1992) in which the main toxicological endpoint was impairment of neurobehavioural function. ATSDR (2012) lists a chronic minimal risk level of 0.0003 mg/m³ with an uncertainty factor of 10 for enhanced susceptibility for elderly, infants and children. Roels et al. (1992) was also used for the derivation of this minimal risk level, but it was based on the application fewer uncertainty factors. AAAQO provides both an acute and chronic inhalation values of 0.002 mg/m^3 and 0. 0.0002 mg/m^3 respectively (ESRD 2013). Both values were adapted from Texas ESL. The AAAQO values were used for this assessment.

The oral chronic RfD of 0.136 mg/kg-d from Health Canada (2010) was used for the assessment.

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27.0 MOLYBDENUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	95.9	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	n/a	US EPA (2005)
Henry's Law Constant	H'	unitless	1	US EPA (2005)
	H	atm-m^3/mol	0.0245	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	20	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.01	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Note:
n/a = Not available.

Molybdenum is of relatively low toxicity, and is an essential cofactor with different enzyme systems. Molybdenum toxicity is often related to interactions with other metals such as copper. Low levels of copper can increase the intake and accumulation of molybdenum in different organs systems (e.g., bones, liver, kidney, endocrine glands, bloodstream). Other than a cattle disease known as Teart, there are no known effects of molybdenum toxicity on humans (Casarett and Doull 2003).

Molybdenum is considered to be an essential trace element in both animals and humans. Safe and adequate intake levels have been suggested for various segments of the population, namely 0.015 to 0.04 mg/d for infants, 0.025 to 0.15 mg/d for children aged 1 to 10 and 0.075 to 0.25 mg/d for all individuals above the age of 10 (National Academy of Sciences 1989).

Source

Molybdenum is used in the manufacture of special steels, in electrical contacts, spark plugs, X-ray tubes, filaments, screens and grids for radio valves, and in the production of tungsten, glass-to-metal seals, non-ferrous alloys and pigments. Molybdenum disulphide has unique properties as a lubricant additive. Molybdenum compounds are used in agriculture either for the direct treatment of seeds or in the formulation of fertilizers to prevent molybdenum deficiency (WHO 2011).

Exposure

Acute

No acute exposure information available.

Chronic Exposure

Molybdenum is of relatively low toxicity, and is an essential cofactor with different enzyme systems. Molybdenum toxicity is often related to interactions with other metals such as copper. Low levels of copper can increase the intake and accumulation of molybdenum in different organs systems (e.g., bones, liver, kidney, endocrine glands, bloodstream). Other than a cattle disease known as Teart, there are no known effects of molybdenum toxicity on humans (Casarett and Doull 2003).

Toxicological Reference Values

Health Canada (2010) provided a chronic oral RfD of 0.023 mg/kg-d for toddlers, based its essentiality as a micronutrient.

RAIS (1998) had a chronic inhalation RfC of 1 mg/m³ for pulmonary effects (Pneumoconiosis), from the lower exposure range (1 to 19 mg/m^3) of a group of worker exposed to Mo and MoO_3 (Mogilevskaya 1963), to which a safety factor of 10 was applied.

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28.0 NAPHTHALENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	128.16	HSDB (2014)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	3.3	HSDB (2014)
Diffusivity in air	Da	cm^2/sec	0.059	HSDB (2014)
Fraction in vapour phase	Fv	unitless	1	HSDB (2014)
Diffusivity in water	Dw	unitless	$7.5x10^{-6}$	HSDB (2014)
Henry's Law Constant	H'	unitless	0.01968	HSDB (2014)
	H	atm-m^3/mol	0.00048	HSDB (2014)
Soil water partition co-efficient	K_{ds}	cm^3/g	300	HSDB (2014)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Naphthalene is a PAH composed of two fused benzene rings which is found naturally in fossil fuels such as petroleum and coal. Naphthalene is produced from the burning of organic materials (e.g., fossil fuels, wood, tobacco) and is produced commercially (ATSDR 2005).

Exposure

Acute

In humans, acute or occupational exposure to naphthalene has resulted in hemolytic anemia (i.e., from the destruction of red blood cells) and ocular effects (e.g., cataracts, optical atrophy) (ATSDR 2005). Ingestion of large amounts of naphthalene, which may occur from eating mothballs, can result in gastrointestinal distress, blood in the urine, yellowing of the skin and death (ATSDR 2005). Naphthalene is a primary skin irritant and is acutely irritating to the eyes of humans (Sandmeyer 1981).

Chronic

In oral toxicity studies, increased mortality, clinical signs of toxicity, kidney and thymus lesions, and signs of anemia were observed in rats treated by gavage with 400 mg/kg of naphthalene for 13 weeks (NTP 1980). No adverse effects occurred at 50 mg/kg. Transient clinical signs of toxicity were observed in mice exposed via gavage to 53 mg/kg for 13 weeks (NTP 1980). Subchronic oral exposure to 133 mg/kg-d for 90 days produced decreased spleen weights in female mice (Shopp et al. 1984). Reduced numbers of pups/litter were observed when naphthalene was administered orally to pregnant mice (Pflasterer et al. 1985).

Carcinogen

The US EPA classifies naphthalene as a possible human carcinogen (Group C), based on no evidence of carcinogenicity in humans and limited evidence of carcinogenicity in animals via inhalation. There is no direct evidence in humans that naphthalene is carcinogenic. A two year feeding study with rats (Schmahl 1955) produced no evidence for carcinogenicity while equivocal results were found in a mouse lung tumour bioassay (Adkins et al. 1986). While there is evidence of tumours in the nasal epithelium in rats and mice exposure via inhalation, it is not clear whether these result from a genotoxic mechanism of action.

Toxicological Reference Values

A TDI of 0.02 mg/kg-d for naphthalene has been developed by Health Canada (2009) based on a decrease in body weight. The value is based on a NOAEL of 100 mg/kg-d derived from an oral toxicity study with rats, with an uncertainty factor of 3,000.

Health Canada (2010) and US EPA (2015) have identified a chronic TC of 0.003 mg/m^3 based on a chronic inhalation study in mice in which exposure to naphthalene resulted in degeneration of the nasal and respiratory epithelium. A LOAEL adjusted for human an equivalent concentration of 9.3 mg/m^3 was identified. This was adjusted by an uncertainty factor of 3,000 (10 each for inter- and intraspecies variability, 10 to extrapolate from a LOAEL to a NOAEL, and 3 for database deficiencies).

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29.0 NICKEL

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	$5.87x10^{1}$	HSDB (2014)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	$-5.70x10^{-1}$	HSDB (2014)
Diffusivity in air	Da	cm^2/sec	$7.72x10^{-2}$	HSDB (2014)
Fraction in vapour phase	Fv	unitless	$9.00x10^{-3}$	HSDB (2014)
Diffusivity in water	Dw	unitless	$9.57x10^{-6}$	HSDB (2014)
Henry's Law Constant	H'	unitless	1.03	HSDB (2014)
	H	atm-m^3/mol	$2.50x10^{-2}$	HSDB (2014)
Soil water partition co-efficient	K_{ds}	cm^3/g	$6.50x10^{1}$	HSDB (2014)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Pure nickel is a hard, silvery-white metal, which has properties that make it very desirable for combining with other metals to form mixtures called alloys. Nickel is naturally occurring in the earth's crust and can be found in all soils. Nickel is the 24th most abundant element. Many of the nickel alloys are water soluble and have a green colour (ATSDR 2005).

Source

Nickel is released into the atmosphere during nickel mining and by industries that make or use nickel, nickel alloys, or nickel compounds. These industries also might discharge nickel in waste water. Nickel is released into the atmosphere by oil-burning and coal-burning power plants. Nickel may be released to the environment from the stacks of large furnaces used to make alloys or from trash incinerators. Food is the major source of exposure to nickel. You may also be exposed to nickel by breathing air, drinking water, or smoking tobacco containing nickel (ATSDR 2005).

Exposure

Acute

The absorption of nickel is dependent on its physicochemical form, with water soluble forms being more readily absorbed. The metabolism of nickel involves conversion to various chemical forms and binding to various ligands (RAIS 1998).

Although the kidney and lungs are the primary sites of accumulation of nickel, other organs such as the spleen, liver, heart, and testes may also accumulate the metal to a lesser extent. Nickel is known to bind to specific proteins and/or amino acids in the blood serum and the placenta. These ligands are important in the transport and distribution of nickel in the body. Nickel distribution may be altered by the formation of lipophilic nickel complexes.

Inhalation exposure to some nickel compounds will cause toxic effects in the respiratory tract and immune system.

Chronic

Chronic nickel exposure is generally associated with occupational exposures. Chronic lung inflammation is common with prolonged exposure to nickel sulfate, chronic bronchitis, emphysema, pulmonary fibrosis, and impaired lung function which were observed in nickel workers and foundry workers (ATSDR 2005). The carcinogenicity is well documented, although the effects noted can be precursors.

Carcinogen

The carcinogenicity of nickel is well documented in occupationally exposed individuals. The strongest evidence for carcinogenicity is a nickel species in sulfidic nickel (ATSDR 2005).

US EPA (2008) classified nickel as Group A - human carcinogen. Evidence of carcinogenicity includes consistency of findings across different countries in several epidemiologic studies, specificity of tumor site, high relative risks, particularly for nasal cancer, and a dose-response relationship by length of exposure. Health Canada (2010) gives an inhalation cancer slope factor of 3.1 $(mg/kg\text{-}d)^{-1}$.

Toxicological Reference Values

Health Canada (2010) gives an inhalation TC of 0.00002 mg/m^3 for nickel oxide. This is based on a subchronic study on rats where changes in the lung granulocytes and multi-nucleated counts were noted. Two dosing regimens were administer 24 hours a day, seven days a week for four months (Health Canada 2010).

ESRD (2013) provides an acute RfC of 0.006 mg/m^3 for nickel based on Cal EPA acute REL.

A two generational study was competed on rats to determine the oral TDI. Five oral dosing regimes of nickel sulphate were administered through drinking water. The post-implantation and perinatal lethality were monitored as the critical end points in the study. The oral TDI was determined to be 0.011mg/kg-d (Health Canada 2010).

US EPA (1991) classified nickel as Group A - human carcinogen. Evidence of carcinogenicity includes consistency of findings across different countries in several epidemiologic studies, specificity of tumor site, high relative risks, particularly for nasal cancer, and a dose-response relationship by length of exposure. Health Canada (2010) gives an inhalation cancer slope factor of 3.1 $(mg/kg\text{-}d)^{-1}$ and unit risk of 0.71 $(mg/m^3)^{-1}$.

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30.0 NITROGEN DIOXIDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	39	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	n/a	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	n/a	US EPA (2005)
Fraction in vapour phase	Fv	unitless	n/a	US EPA (2005)
Diffusivity in water	Dw	unitless	n/a	US EPA (2005)
Henry's Law Constant	H'	unitless	n/a	US EPA (2005)
	H	atm-m^3/mol	n/a	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	n/a	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	n/a	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	n/a	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Note:
n/a = Not available.

Source

Nitrogen dioxide (NO_2) is a group of gasses known as nitrogen oxides (NO_x). Other nitrogen oxides include nitrous acid and nitric acid. Typically, NO_2 is used as the indicator for the larger group of nitrogen oxides. Sources of NO_2 include emissions from cars, trucks and buses, power plants, and off-road equipment.

Exposure

Acute

Multiple short-term experimental human studies have reported acute health effects following 1-hour exposure to NO_2 concentrations in excess of 0.5 mg/m^3. However, the lowest level of NO_2 exposure indicating direct effects on pulmonary functions in asthmatics human receptors in is reported as 0.56 mg/m^3. Studies of bronchial responsiveness on asthmatics subject have suggested that an increase in responsiveness appears at levels starting from 0.2 mg/m^3 (WHO 2005).

Chronic Exposure

NO_2 is associated with a number of adverse effects on the respiratory system (US EPA 1990). NO_2 exposures may result in adverse respiratory effects including airway inflammation and an increase respiratory symptoms in people with asthma.

Toxicological Reference Values

ESRD (2013) derived an acute exposure value of 0.3 mg/m^3 for the AAAQO from a study on the respiratory effects of acute nitrogen dioxide exposure.

WHO (2005) has derived a chronic inhalation value of 0.04 mg/m^3 based on respiratory symptoms among infants.

References

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31.0 PETROLEUM HYDROCARBONS

Chemical Properties

Property	Compound (surrogate)	Units	Value	Source
Molecular weight	C_5-C_8 aliphatic (n-hexane)	g/mol	86.2	US EPA (2005)
	C_9-C_{16} aliphatic (dodecane)	g/mol	170.334	MacKay (2006)
	C_9-C_{16} aromatic (2-methylnaphthalene)	g/mol	142.197	MacKay (2006)
	C_{17}-C_{34} aromatic (pyrene)	g/mol	202.256	US EPA (2005)
L_{og} K_{ow}	C_5-C_8 aliphatic (n-hexane)	unitless	4.45	US EPA (2005)
	C_9-C_{16} aliphatic (dodecane)	unitless	6.8	MacKay (2006)
	C_9-C_{16} aromatic (2-methylnaphthalene)	unitless	3.86	MacKay (2006)
	C_{17}-C_{34} aromatic (pyrene)	unitless	6.34*	US EPA (2005)
Da	C_5-C_8 aliphatic (n-hexane)	cm^2/sec	0.05	AEP (2016)
	C_9-C_{16} aliphatic (dodecane)	cm^2/sec	0.05	AEP (2016)
	C_9-C_{16} aromatic (2-methylnaphthalene)	cm^2/sec	0.05	AEP (2016)
	C_{17}-C_{34} aromatic (pyrene)	cm^2/sec	0.05	AEP (2016)
Fv	C_5-C_8 aliphatic (n-hexane)	unitless	1	Assumption
	C_9-C_{16} aliphatic (dodecane)	unitless	1	Assumption
	C_9-C_{16} aromatic (2-methylnaphthalene)	unitless	1	Assumption
	C_{17}-C_{34} aromatic (pyrene)	unitless	0.1	Assumption
Dw	C_5-C_8 aliphatic (n-hexane)	unitless	$1.00x10^{-5}$	US EPA (2005)
	C_9-C_{16} aliphatic (dodecane)	unitless	$1.00x10^{-5}$	US EPA (2005)
	C_9-C_{16} aromatic (2-methylnaphthalene)	unitless	8.06×10^{-6}	MDEQ (2013)
	C_{17}-C_{34} aromatic (pyrene)	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant (H')	C_5-C_8 aliphatic (n-hexane)	unitless	50	US EPA (2005)
	C_9-C_{16} aliphatic (dodecane)	unitless	80	US EPA (2005)
	C_9-C_{16} aromatic (2-methylnaphthalene)	unitless	0.14	AEP (2016)
	C_{17}-C_{34} aromatic (pyrene)	unitless	$4.51x10^{-4}$	US EPA (2005)
H	C_5-C_8 aliphatic (n-hexane)	atm-m^3/mol	1.22	US EPA (2005)
	C_9-C_{16} aliphatic (dodecane)	atm-m^3/mol	726,900	MacKay (2006)
	C_9-C_{16} aromatic (2-methylnaphthalene)	atm-m^3/mol	$4.99x10^{-4}$	ATSDR (2005)
	C_{17}-C_{34} aromatic (pyrene)	atm-m^3/mol	$1.10x10^{-5}$	US EPA (2005)
Soil water partition co-efficient	C_5-C_8 aliphatic (n-hexane)	cm^3/g	39.8	US EPA (2005)
	C_9-C_{16} aliphatic (dodecane)	cm^3/g	316	US EPA (2005)
	C_9-C_{16} aromatic (2-methylnaphthalene)	cm^3/g	950	US EPA (2005)
	C_{17}-C_{34} aromatic (pyrene)	cm^3/g	1,260*	US EPA (2005)
RAF ingestion	C_5-C_8 aliphatic (n-hexane)	unitless	1	CCME (2008)
	C_9-C_{16} aliphatic (dodecane)	unitless	1	CCME (2008)
	C_9-C_{16} aromatic (2-methylnaphthalene)	unitless	1	CCME (2008)
	C_{17}-C_{34} aromatic (pyrene)	unitless	1	CCME (2008)

Property	Compound (surrogate)	Units	Value	Source
RAF dermal	C_5-C_8 aliphatic (n-hexane)	unitless	0.2	CCME (2008)
	C_9-C_{16} aliphatic (dodecane)	unitless	0.2	CCME (2008)
	C_9-C_{16} aromatic (2-methylnaphthalene)	unitless	0.2	CCME (2008)
	C_{17}-C_{34} aromatic (pyrene)	unitless	0.2	CCME (2008)
RAF inhalation	C_5-C_8 aliphatic (n-hexane)	unitless	1	CCME (2008)
	C_9-C_{16} aliphatic (dodecane)	unitless	1	CCME (2008)
	C_9-C_{16} aromatic (2-methylnaphthalene)	unitless	1	CCME (2008)
	C_{17}-C_{34} aromatic (pyrene)	unitless	1	CCME (2008)

Note:
* Calculated based on K_{oc} value, according to US EPA (2005) procedures.

Petroleum hydrocarbons (PHC) represent a mixture of organic compounds that are found in oil, bitumen and coal. Petroleum products, such as petroleum crude oil and jet fuel, typically contain thousands of compounds in varying proportions, composed predominantly of carbon and hydrogen, with minor amounts of nitrogen, sulphur and oxygen.

Source

PHC consist of a mixture of organic compounds found in or derived from geological substances such as oil, bitumen and coal. Petroleum products can be released to the environment by two main pathways: fugitive emissions or accidental releases. PHC contamination in soils varies with the petroleum source, soil type, the composition, degree of processing (i.e., crude, blended or refined) and the extent of weathering caused by exposure to the environment. Such factors complicate the assessment of the human and environmental health risks associated with PHC contamination in soils. PHC in the environment are a concern for numerous reasons. PHC constituents are toxic to varying degrees. Depending on their physico-chemical properties, hydrocarbons are mobile and can be a problem at considerable distances from their point of release due to transport in groundwater or air. Heavier and larger hydrocarbons are persistent in the environment.

Exposure

Acute

Inhaled and ingested volatile hydrocarbons have both general and specific effects. Many organic solvents, including aliphatic compounds found within the C_5-C_8 (aliphatic) carbon range have the potential for acute high-level vapour exposures to cause CNS disturbances (MA DEP 2003).

Chronic

The toxicity values were developed from an extensive review of available toxicological studies for individual compounds falling within the prescribed sub-fractions, in addition to studies that address a variety of PHC mixtures.

Toxicity studies of aliphatic PHC mixtures in the carbon range of >C_5 to C_8 were reviewed by the CCME (2008). Based on these studies, chronic exposure resulted in neurological impairment in rats.

Toxicity studies of aliphatic PHC mixtures in the carbon range of >C_8 to C_{16} were reviewed by the TPHCWG (1997). Based on these studies, the critical effects were hepatic and hematological changes in rats.

For the aliphatic compounds in the PHC fraction (>C_{16} to C_{21}; >C_{21} to C_{34}), CCME (2008) used toxicity studies with white mineral oils. Where they identified hepatic granuloma as the main effects in rats, no inhalation TRV was developed for PHC F3 compounds due to its low volatility potential.

Carcinogenicity

Other than benzene (assessed on its own), no other PHC included in the carbon range between 5 and 34 has demonstrated any carcinogenic properties.

Toxicological Reference Values

Acute

No acute guidelines needed for assessment of PHCs.

Chronic

For C_5-C_8 aliphatic, CCME (2008) lists an RfC of 18.4 mg/m^3 and this value has been selected as the TRV for inhalation exposure. No acute values were available; therefore, the AAAQO (ESRD 2013) acute inhalation RfC for hexane of 21 mg/m^3 was selected as a surrogate.

Toxicity studies of aliphatic PHC mixtures in the carbon range of C_9-C_{16} aliphatic were reviewed by the TPHCWG (1996). Based on these studies, CCME adopted an RfC of 1 mg/m^3. The value of 1 mg/m^3 has been selected as the TRV for inhalation exposure. For acute exposure, CCME list an RfC of 5,000 mg/m^3.

For C_9-C_{16} aromatic, the TPHCWG reviewed TDIs ranging from 0.03 to 0.3 mg/kg-d for eight aromatic compounds in the carbon range of C_9-C_{16} for toxicity studies with rats. A TDI of 0.04 mg/kg-d was selected by TPHCWG (1996) based on decreased body weight in rats. While, a TC of 0.2 mg/m^3 based on increased liver and kidney weights in a rat study was derived by the TPHCWG (1997). The value of 0.2 mg/m^3 was adopted as the chronic TRV in the current assessment.

For aliphatic compounds in the PHC F3 fraction C_{17}-C_{34} aromatic, a TDI value of 2 mg/kg-d was adopted by the CCME (2008). No TC values were developed for this fraction, therefore a chronic value of 3.98 mg/m^3 was calculated from route extrapolation for a toddler receptor.

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32.0 PHENANTHRENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	178.22	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	4.5	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.001	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0.999	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$9.43x10^{-4}$	US EPA (2005)
	H	atm-m^3/mol	$2.3x10^{-5}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	3,700	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1.00	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.18	CCME (2008)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1.00	Assumption

Source

Phenanthrene is a PAH that can be derived from coal tar. Phenanthrene is ubiquitous in the environment as a product of incomplete combustion of fossil fuels and wood and has been identified in ambient air, surface and drinking water, and in foods (IARC 1983; US EPA 1988).

Exposure

Acute

There are no reported data on the acute toxicity of phenanthrene.

Chronic

Toxicity data for phenanthrene are very limited. No human data were available that addressed the toxicity of phenanthrene. Single intraperitoneal injections of phenanthrene produced slight hepatotoxicity in rats (Yoshikawa et al. 1985). Data regarding the subchronic, chronic, developmental, or reproductive toxicity in experimental animals by any route of exposure could not be located in the available literature.

Carcinogenicity

The US EPA has classified phenanthrene in Group D, not classifiable as to human carcinogenicity (US EPA 2012).

Toxicological Reference Value

An inhalation chronic RfC of 0.0001 mg/m^3 was listed by MDEQ (2013), but there are no supporting studies provided. The same value was adopted as the acute RfC in absence of any other acute TRV available.

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33.0 $PM_{2.5}$

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	n/a	n/a
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	n/a	n/a
Diffusivity in air	Da	cm^2/sec	n/a	n/a
Fraction in vapour phase	Fv	unitless	n/a	n/a
Diffusivity in water	Dw	unitless	n/a	n/a
Henry's Law Constant	H'	unitless	n/a	n/a
	H	$atm\text{-}m^3/mol$	n/a	n/a
Soil water partition co-efficient	K_{ds}	cm^3/g	n/a	n/a
Relative absorption factor - ingestion	RAF_{ing}	unitless	n/a	n/a
Relative absorption factor - dermal	RAF_{derm}	unitless	n/a	n/a
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

$PM_{2.5}$ refers to particle matter that is 2.5 micrometres or less in diameter. It can consist of a variety of things consisting of extremely small particles and liquid droplets (EPA 2015), dust and smoke. The US EPA defined "fine particles" as those found in smoke and haze that are 2.5 micrometres in diameter and smaller. The particulates can be emitted from the source directly or form when gases are emitted and react to air.

Exposure

Acute

The smaller particulates can travel deep into the lungs, whereas the larger particulate are generally trapped within the nose, ears and throat.

Chronic Exposure

Outdoor $PM_{2.5}$ has been shown in numerous studies to have an effect on cardiovascular and respiratory mortality and morbidity endpoints.

Exposure to $PM_{2.5}$ is linked to numerous health impacts including airway inflammation, increased emergency room visits, hospitalization and death. A threshold is difficult to determine due to the range of particulates and mixtures that make up $PM_{2.5}$. Standards have been issues by the CCME in 2000.

Toxicological Reference Values

Ambient air quality criteria has been established for indoor and outdoor $PM_{2.5}$.

ESRD (2013) derived an acute 24-hour exposure value of 0.03 mg/m^3 for the AAAQO, which was adopted from the Canada Wide Standard.

WHO (2005) has derived a chronic inhalation value of 0.01 mg/m^3 based on the lower end of the range over which significant effects on survival were observed in the American Cancer Society's study (Pope et al. 2002).

References

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34.0 PROPYLENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	42.08	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	1.77	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.157	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.82x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	8.04	US EPA (2005)
	H	atm-m^3/mol	0.196	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.302	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Propylene production is mainly a by-product of petroleum refining and of ethylene production by steam cracking of hydrocarbon. The most important derivatives of chemical and polymer grade propylene are polypropylene, acrylonitrile, propylene oxide, isopropanol and cumene. In the environment, propylene occurs as a natural product from vegetation. It is also a product of combustion of organic matter (biomass burning, motor vehicle exhausts and tobacco smoke) (OEHHA 2008).

Exposure

Acute

There are no data regarding acute exposure to propylene.

Chronic Exposure

No data were available on the chronic effects of propylene in humans. Epithelial hyperplasia and inflammation of the nasal cavity was observed when rats and mice were exposed to high doses and squamous metaplasia occurred in both lower and higher dosage groups.

Toxicological Reference Values

Cal EPA (OEHHA, 2008) has derived a chronic inhalation value of 3 mg/m^3 based on the inflammation of the nasal cavity in Fisher rats. The rat LOAEL of 1,530 mg/m^3 was converted to a human equivalent concentration of 327 mg/m^3 and a cumulative safety factor of 100 was applied to obtain the RfC of 3 mg/m^3, used in the assessment.

References

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35.0 PYRENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	202.3	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	4.9	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.001	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$1.00x10^{-5}$	US EPA (2005)
Henry's Law Constant	H'	unitless	$4.2x10^{-4}$	US EPA (2005)
	H	atm-m^3/mol	$1.10x10^{-5}$	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	9,500	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Pyrene is a PAH that can be derived from coal tar. Pyrene is ubiquitous in the environment as a product of incomplete combustion of fossil fuels and has been identified in surface and drinking water, numerous foods, and in ambient air (US EPA 1987, 1988; IARC 1983).

Exposure

Acute

There are no data regarding acute exposure to pyrene.

Chronic Exposure

Although a large body of literature exists on the toxicity and carcinogenicity of PAHs, toxicity data for pyrene are limited. No human data were available that addressed the toxicity of pyrene.

Oral exposure to pyrene has been observed to produce nephropathy, decreased kidney weights, increased liver weights, and slight hematological changes in mice and produced fatty livers in rats (White and White 1939). A single intraperitoneal injection of pyrene was observed to result in swelling and congestion of the liver (Yoshikawa et al. 1985). No data were available concerning the toxic effects of inhalation exposure to pyrene or other reproductive effects by any route of exposure.

Toxicological Reference Values

The US EPA has developed a TDI of 0.03 mg/kg-d for chronic oral exposure. The TDI is based on a 13-week gavage study with mice that identified a NOAEL of 75 mg/kg-d. The critical effects noted in this study were nephropathy and decreased kidney weights (US EPA 2015). An uncertainty factor of 3000 was applied based on a factor of 10 each for intra- and interspecies variability, 10 for the use of a subchronic study and an additional 3 to account for the lack of data.

Health Canada (2010) reports an oral value for pyrene of 0.03 mg/kg-d based on the same study.

An inhalation chronic RfD of 0.1 mg/m^3 was listed by MDEQ (2013), but there are no supporting studies provided.

References

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36.0 SELENIUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	78.96	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.24	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0.398	US EPA (2005)
	H	$atm\text{-}m^3/mol$	0.0097	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	5	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	0.44	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.002	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Source

Selenium is present in the environment in multiple forms. Selenium occurs in nature and biological systems as the elemental form (Se^{2+}) or in the form of selenide (Se^{2-}), selenate (SeO_4^{2-}), or selenite (SeO_3^{2-}) (Amdur et al. 1991). Selenium is rarely found in the environment in its elemental form, but rather in combination with other substances. Most of the selenium in rocks and soil is combined with sulphide minerals or with other metals like silver, copper, lead, and nickel minerals. Selenium also combines with oxygen to form several substances that are white or colourless crystals (ATSDR 2003). It is widely distributed in the earth's crust at with an average concentration of 0.09 mg/kg and is found in trace quantities in most plant and animal tissues (Health Canada 1992).

The majority of the selenium production comes as a by-product of copper refining and recycling of selenium-containing refuse (like xerographic scrap). Selenium is used in the manufacturing of tinted or coloured glass, stainless steel, electronic components (e.g., semi-conductors, photoelectric cells), explosives, batteries, and in photographic devices (e.g., xerography equipment). It is also common in vitamin and mineral supplements for animal feed, fungicides, and anti-dandruff shampoos. For example, selenium sulphide is used in anti-dandruff shampoos by the common trade name Selsun Blue (ATSDR 2003).

Exposure

Acute

Very little quantitative information is available on the absorption of selenium compounds through the lungs or skin. Dizziness, fatigue, and irritation of mucous membranes have been reported in people exposed to selenium in workplace air at concentrations higher than legal levels. In extreme cases, collection of fluid in the lungs (pulmonary edema) and severe bronchitis have been reported. There are currently no guidelines for acute exposure to inhalation of selenium.

Acute oral exposure to extremely high levels of selenium (e.g., several thousand times more than normal daily intake) produces nausea, vomiting, and diarrhea in both humans and laboratory animals.

Chronic Exposure

People are exposed to low levels of selenium daily through food, water, and air. People receive the majority of their daily intake of selenium from eating food, and to a lesser extent, from water intake. People may be exposed to higher-than-normal levels of selenium at hazardous waste sites by ingesting soil or water, or by breathing dust. People may also be exposed to selenium from industrial sources (ATSDR 2003).

According to the Institute of Medicine of the National Academy of Science, the estimated daily allowance of selenium is 45 µg/d and the recommended daily allowance is 55 µg/d. The upper tolerable intake level is 400 µg/d (Otten et al. 2006). Exceeding the daily nutritional limit of 400 µg/d can lead to selenosis. Symptoms of selenosis include a garlic odour on the breath, gastrointestinal disorders, hair loss, sloughing of nails, fatigue, irritability and neurological damage. Extreme cases of selenosis can result in cirrhosis of the liver, pulmonary edema, and death.

Even if mildly excessive amounts of selenium are eaten over long periods, brittle hair and deformed nails can develop. In extreme cases, people may lose feeling and control in arms and legs. Selenosis was observed in several villages in China where people were exposed to foods containing high concentrations of selenium for months to years (ATSDR 2003).

Carcinogenicity

The carcinogenic potential of selenium has been thoroughly investigated through laboratory and epidemiological studies. However, the information is conflicting. The general consensus is that the available animal data are insufficient to allow an evaluation of the carcinogenicity of selenium compounds, and that available human data provide no suggestion that selenium is carcinogenic to humans (Health Canada 1992).

Toxicological Reference Values

US EPA (1991) developed an oral RfD of 0.005 mg/kg-d, derived from a NOAEL of 0.015 mg/kg-d. This value is based on a human epidemiological study on approximately 400 individuals living in an area of China with unusually high environmental concentrations of selenium (Yang et al. 1989). The main adverse effect was selenosis.

Health Canada (2010) provides an oral chronic RfD of 0.00623 mg/kg-d for children age 5 to 11 based on an epidemiological study with a NOAEL of 0.007 mg/kg-d. This value was selected for the assessment.

Cal EPA (2001) has derived a chronic inhalation RfC of 0.02 mg/m^3 based on route extrapolation from the IRIS value of 0.005 mg/kg-d.

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37.0 SILVER

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	107.87	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0	US EPA (2005)
	H	atm-m^3/mol	0	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	8.3	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	US EPA (2005)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	US EPA (2005)

Source

Silver is found throughout the environment. Silver-bearing rocks and soil worn down by the wind and rain releases large amounts of silver into the environment. Silver that is released into the environment may be carried long distances in air and water. Rain washes silver compounds out of many soils so that it eventually moves into the groundwater. Silver is stable and remains in the environment in one form or another until it is taken out again by people (ATSDR 1990).

Exposure

Acute

There is very little information regarding the health effects of acute silver exposure. Some breathing difficulties have been reported from individual exposed to high concentration of silver containing dust in ambient air (ATSDR 1990).

Chronic

Most people are exposed daily to very low levels of silver mainly in food and drinking water, and less in air. The silver in these sources is at least partially due to naturally occurring silver in water and soil. Skin contact and breathing in air containing silver compounds also occurs in the workplace. Other sources of exposure include the use of silver in medicines, and in activities such as jewelry-making, soldering, and photography. Exposure from everyday use, such as wearing jewelry or eating with silver-coated flatware, is not expected to result in silver being taken into the body (ATSDR 1990).

Ingestion, inhalation, or dermal absorption of silver may cause argyria, the most common indicator of long-term exposure to silver or silver compounds in humans. Argyria is a gray or blue-gray, permanent discolouration of the skin and mucous membranes that is not a toxic effect (RAIS 1992). Mild allergic responses have been attributed to dermal contact with silver.

Toxicological Reference Values

US EPA (1991) derived an oral TDI of 0.005 mg/kg-d based on a clinical study of patient treated with organic and colloidal silver (Gaul and Staud 1935). The main effect was argyria. The patients were followed for a period of 2 to 9 years, and 70 cases of argyria were documented, of which 13 were caused by intravenous injection (*i.v.*) of silver arsphenamine. The authors reported that argyria developed after a total dose of 4 to 20 g. Since silver is accumulated in the body throughout life, it is possible that lower doses may causes argyria, like this one patient in the study who received only 1 g before showing signs skin colouration. Therefore, 1 g *i.v.* is considered to be the LOAEL for silver. This value is then converted to an oral dose assuming a 4% oral retention factor (Furchner et al. 1968), a 70 kg body weight, over a lifetime of 70 years and a modifying factor of 3 to account for a more sensitive sub-population.

US EPA (2005) provides an RfC of 0.018 mg/m^3, but no supporting are cited.

Volume 2, Table 17.3-5 provides a chronic inhalation TRV of 0.00994 mg/m^3 that is extrapolated from the oral pathway TRV of 0.005 mg/kg-d.

References

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38.0 SULPHUR DIOXIDE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	64.066	WHO (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	n/a	n/a
Diffusivity in air	Da	cm^2/sec	n/a	n/a
Fraction in vapour phase	Fv	unitless	n/a	n/a
Diffusivity in water	Dw	unitless	n/a	n/a
Henry's Law Constant	H'	unitless	n/a	n/a
	H	atm-m^3/mol	n/a	n/a
Soil water partition co-efficient	K_{ds}	cm^3/g	n/a	n/a
Relative absorption factor - ingestion	RAF_{ing}	unitless	n/a	n/a
Relative absorption factor - dermal	RAF_{derm}	unitless	n/a	n/a
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Note:
n/a = Not available.

Source

Sulphur dioxide (SO_2) is a colourless gas with a distinct pungent odour. SO_2 will become liquid at high pressure. But SO_2 dissolves very easily in water (ATSDR 1998). Sulphur compounds enter the atmosphere mainly through anthropogenic activities. Approximately 100 million metric tons of sulphur enter the atmosphere each year, most of it from human activity from combustion of coal and residual fuel oil (Manahan 2005). SO_2 is emitted from burning fossil fuels or from copper mining. SO_2 is produced for elemental sulphur, pyrites, sulphide ore, waste sulphuric acid and sulphates. SO_2 is also emitted from volcanic eruptions, although it is associated with human activity (ATSDR 1998).

Exposure

Acute

Acute- duration exposures to high concentrations of SO_2 can result in biochemical, clinical, and histological changes in the respiratory system. Respiratory changes occur when an individual is exposed to acute levels of SO_2. Studies completed measuring pulmonary lung function and air way resistance determined anything from a cough, lung irritation, increased fluid in the lungs to death during exposure to high levels of SO_2. Asthmatics are particularly susceptible to SO_2 in the air (ATSDR 1998).

Mortality in humans due to high pollution and acute smog in large cities has been documented. There have been many cases of human death from acute exposures to high concentrations of SO_2 (ATSDR 1998).

Chronic Exposure

Animal studies concluded that chronic exposure to SO_2 can result in exasperated respiratory effects. Asthmatics experience increased effects when exposed to concentrations of SO_2 in the air (ATSDR, 1998). Hepatic effects of chronic exposure is limited and therefore additional studies are required to determine hepatic effects. Occupational studies find that SO_2 induces oxidative stress in erythrocytes.

Carcinogenicity

ATSDR (1998) reports that no evidence for carcinogenicity has been established for SO_2. Epidemiological studies have been completed on copper smelter workers and pulp and paper mill workers exposed to SO_2. No correlation has been made between prolonged exposure to SO_2 and cancer (ATSDR, 1998).

Toxicological Reference Values

ESRD (2013) derived an acute exposure value of 0.45 mg/m^3 from a study in 1975 on the effects of pulmonary function in acute SO_2 exposure for the AAAQO.

ESRD (2013) has derived an acute 24-hour exposure inhalation value of 0.125 mg/m^3 for the AAAQO, which was adopted from the European Union value for an annual average.

ESRD (2013) has derived a chronic inhalation value of 0.2 mg/m^3 for the AAAQO, which was adopted from the European Union value for an annual average.

The WHO (2005) has developed a short exposure time (i.e., 10 minutes) inhalation value of 0.5 mg/m^3, based on studies involving exercising asthmatics indicating changes in pulmonary function and respiratory symptoms after short periods of exposure to SO_2.

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39.0 STRONTIUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	88	US EPA (2007)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2007)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2007)
Fraction in vapour phase	Fv	unitless	0	US EPA (2007)
Diffusivity in water	Dw	unitless	$9.57x10^{-06}$	US EPA (2007)
Henry's Law Constant	H'	unitless	0	US EPA (2007)
	H	atm-m^3/mol	0	US EPA (2007)
Soil water partition co-efficient	K_{ds}	cm^3/g	35	US EPA (2007)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Strontium is usually found in nature in the form of minerals. It can exist in two oxidation but under normal environmental conditions, only the +2 oxidation state is stable enough to be important. Rocks, soil, dust, coal, oil, surface and underground water, air, plants, and animals all contain varying amounts of strontium. Strontium can also exist as radioactive isotopes 90Sr, or strontium ninety. Stable and radioactive strontium compounds in the air are present as dust. Emissions from burning coal and oil increase stable strontium levels in air. Strontium is used in the manufacture of ceramics and glass products, primarily in the faceplate glass of televisions and other cathode-ray-tube devices, where it serves to block x-ray emissions (ATSDR 2004).

Exposure

Acute

No information available on acute exposure to strontium.

Chronic

There is little information on the toxicity of stable strontium in humans. Based on animal studies, the toxic effect of excessive strontium intakes appears to be inhibition of calcification of epiphyseal cartilage and deformities of long bones at high doses. Strontium causes adverse effects on bone by substituting for calcium in the hydroxyapatite crystal during bone calcification or by displacing calcium from existing calcified matrix (US EPA 1992).

Toxicological Reference Values

US EPA (1992) listed a chronic oral RfD of 0.6 mg/kg-d derived from three studies (Storey 1961; Skoryna 1981; Marie et al. 1985) where rats were exposed to strontium via dietary intakes. Rats were examined for changes in bone mineralization, homeostasis and defects in cartilage. The NOAEL of 190 mg/kg-d was divided by an uncertainty factor of 300 which included 10 for species-to-species extrapolation and 10 for an incomplete database (including a lack of developmental and reproductive data) and to account for uncertainties in using data for strontium carbonate to derive a risk estimate that may apply to other salts of strontium. An uncertainty factor of 3 was applied for sensitive subpopulations.

Due to lack of scientific data, no organizations proposed inhalation values for strontium. An inhalation guideline was derived from the US EPA IRIS oral RfD using the average toddler bodyweight of 16.5 kg and average daily inhalation of 8.3 m^3. The chronic inhalation value used for this study is 1.19 mg/m^3.

References

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40.0 THIOPHENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	84.14	Mackay (2006)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	1.81	Mackay (2006)
Diffusivity in air	Da	cm^2/sec	n/a	n/a
Fraction in vapour phase	Fv	unitless	1	Assumption
Diffusivity in water	Dw	unitless	n/a	n/a
Henry's Law Constant	H'	unitless	n/a	n/a
	H	$atm\text{-}m^3/mol$	n/a	n/a
Soil water partition co-efficient	K_{ds}	cm^3/g	n/a	n/a
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Note:
n/a = Not available.

Source

Thiophenes (sometime labelled thiofurans) are important sulphur-containing heterocyclic compounds that function as analogues of furans and pyrroles, and are widely used as building blocks in many agrochemicals and pharmaceuticals as well as materials science. Sulfolane is a thiophene-base compound that has traditionally been used in the extraction of aromatics and in the removal of acid gases from a natural gas stream. Due to its combination of physical and chemical properties, sulfolane has also been used as an extraction distillation solvent, polymer solvent, polymer plasticizer, polymerization solvent, and in electronic/electrical applications (CCME 2006).

Exposure

Acute

There are no acute inhalation thiophene exposure data available for review.

Chronic

There are no chronic inhalation thiophene exposure available. As such, sulfolane was used as a surrogate compound to assess toxicity to thiophene based on its chemical similarity to thiophene

Toxicological Reference Values

RAIS (2012) had a chronic inhalation RfC of 0.002 mg/m³ for pulmonary effects (inflammation of the lungs), from the chronic exposure of beagle dogs to sulfolane.

References

Canadian Council of Ministers of the Environment (CCME). 2006. *Canadian Environmental Quality Guidelines for Sulfolane: Water and Soil.* Scientific Supporting Document. Prepared for the CCME Subcommittee on Environmental Quality Criteria on Contaminated Sites. Winnipeg, MB.

McKay, D., W.Y. Shiu, K.-C. Ma, and S.C. Lee. 2006. *Handbook of Physical-Chemical Properties and Environmental Fate for Organic Chemicals*. 2nd Edition. CRC Press, Taylor & Francis Group, Boca Raton.

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41.0 TOLUENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	92.141	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	2.7	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.087	US EPA (2005)
Fraction in vapour phase	Fv	unitless	1	US EPA (2005)
Diffusivity in water	Dw	unitless	$8.6x10^{-6}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0.27	US EPA (2005)
	H	atm-m^3/mol	0.0066	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.36	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Sources

Toluene is a clear, colourless liquid with a distinctive smell. Toluene occurs naturally in crude oil. It is produced in the process of making gasoline and other fuels from crude oil, in making coke from coal, and as a by-product in the manufacture of styrene. Toluene is used in making paints, paint thinners, fingernail polish, lacquers, adhesives, and rubber and in some printing and leather tanning processes. Toluene enters surface water and groundwater from spills of solvents and petroleum products as well as from leaking underground storage tanks at gasoline stations and other facilities (ATSDR 2000).

Toluene does not usually stay in the environment; it is readily broken down to other chemicals by microorganisms in soil and evaporates from surface water and surface soils. Toluene can be taken up into fish and shellfish, plants, and animals living in water containing toluene, but it does not concentrate or build up to high levels because most animal species can break down the toluene into other compounds that are excreted (ATSDR 2000).

Exposure

Acute

Adverse effects resulting from toluene exposure include depression of the CNS based on the results of studies of workers acutely or chronically exposed to toluene in workplace air, studies of volunteers under controlled acute exposure conditions, and studies of chronic solvent abusers predominantly exposed to toluene (ATSDR 2010).

Observed effects include symptoms progressing from fatigue, headache, and decreased manual dexterity to narcosis with increasing exposure level, degenerative changes in white matter in chronic solvent abusers, and subtle changes in neurological functions including cognitive and neuromuscular performance, hearing, and colour discrimination in chronically

exposed workers. Studies of toluene-exposed animals provide supporting data showing exposure related changes in behaviour, hearing loss, and subtle changes in brain structure, brain electrophysiology, and brain chemistry (ATSDR 2010).

Chronic

Inhalation exposure of volunteers to 40 ppm of toluene for six hours did not produce statistically significant differences in the results of tests measuring nasal mucus flow and lung function or in subjective evaluations of air quality; however, irritation of the nose was noted at 100 ppm (Andersen et al. 1983). No changes in lung function were reported for volunteers exposed to 100 ppm toluene for six hours, 30 minutes of which were spent exercising (Rahill et al. 1996). Individuals exposed to 800 ppm toluene for three hours (von Oettingen et al. 1942) or 1,862 ppm for two hours (Meulenbelt et al. 1990) had no self-reported respiratory effects. However, irritation of the nose and throat was reported in printers exposed to 100 ppm toluene for 6.5 hours (Baelum et al. 1985), and in volunteers exposed to 200 ppm toluene for seven to eight hours (Carpenter et al. 1944). Eight workers from a print factory exposed to <200 ppm toluene for more than 18 months had normal chest x-rays and did not report breathing difficulty (Guzelian et al. 1988).

Carcinogenicity

The US EPA has determined that *there is inadequate information to assess the carcinogenic potential* of toluene while IARC classifies it as Group 3 (not classifiable).

Toxic Reference Values

Health Canada (2010) has developed a TDI of 0.22 mg/kg-d for toluene based on toxicity studies involving rats and mice.

Cal EPA has a chronic TC of 0.3 mg/m³. The TC value is based on a study in which neurological effects were observed in rats. The ATSDR has identified an acute TC of 3.8 mg/m^3 based upon the results of a human health study where individuals exposed to toluene experienced headache, dizziness, and feelings of intoxication (ATSDR 2000). A NOAEL of 38 mg/m^3 was identified for neurological effects. Using an uncertainty factor of 10 resulted in the acute TC of 3.8 mg/m^3.

References

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42.0 VANADIUM

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	51	US EPA (2007)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2007)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2007)
Fraction in vapour phase	Fv	unitless	0	US EPA (2007)
Diffusivity in water	Dw	unitless	$9.57x10^{-06}$	US EPA (2007)
Henry's Law Constant	H'	unitless	0	US EPA (2007)
	H	atm-m^3/mol	0	US EPA (2007)
Soil water partition co-efficient	K_{ds}	cm^3/g	1,000	US EPA (2007)
Relative absorption factor - ingestion	RAF_{ing}	unitless	0.01	RAIS (1991)
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Health Canada (2010)
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Vanadium is a grey-white, ductile and soft element found in combination with minerals. The common oxidation states include +2, +3, +4, and +5 (ATSDR 2012).

Vanadium is a naturally occurring element. It is widely distributed in the earth's crust and is found in approximately 65 minerals. The contribution of vanadium to the atmosphere from fuel combustion is suspected to increase with fossil-fuel combustion. Most of the vanadium produced is used in the production of ferrovanadiurn and, of this, the majority is used in high-speed alloy steel (WHO 2000).

Exposure

Acute

Inhalation is an important entry for vanadium. Lung clearance of vanadium pentoxide is rapid in animals after acute exposure (WHO 2000). In animals, acutely toxic oral doses cause vasoconstriction, diffuse desquamative enteritis, congestion and fatty degeneration of the liver, congestion and focal hemorrhages in the lungs and adrenal cortex (Gosselin et al. 1984).

Chronic

Effects observed after subchronic oral exposures to animals include diarrhea, altered renal function, and decreases in erythrocyte counts, hemoglobin, and hematocrit (Domingo et al. 1985; Zaporowska and Wasilewski 1991). In humans, intestinal cramps and diarrhea may occur following subchronic oral exposures. Chronic inhalation of vanadium pentoxide dust by industrial workers has resulted in rhinitis (Waters 1977; Vouk 1979). These studies indicate that for subchronic and chronic oral exposures, the primary targets are the digestive system, kidneys, and blood.

Special Considerations

The toxicity of vanadium depends on its physico-chemical state, particularly its valence state and solubility.

The pentavalent form (i.e., V_2O_5) is five times more toxic than the trivalent form (i.e., V_2O_3) (RAIS 1991).

Based on acute toxicity, pentavalent NH_4VO_3 has been reported to be more than twice as toxic as trivalent VCl_3 and more than six times as toxic as divalent VI_2. Pentavalent V_2O_5 has been reported to be more than five times as toxic as trivalent V_2O_3 (Roschin 1967).

Toxicological Reference Values

US EPA (1996) has developed an oral TDI of 0.009 mg/kg-d for vanadium pentoxide based on decreased concentrations of cystine in the hair of rats fed the chemical in their diet, which results in a TRV of $5.04x10^{-3}$ mg/kg-d of pure vanadium. TCEQ (2011) has a chronic inhalation value of 0.05 µg/m³ but no supporting studies were cited. The value of $5.04x10^{-3}$ mg/kg-d was used in the assessment.

ATSDR has developed an MRL for chronic inhalation exposure of 0.0001 mg/m^3 based on a LOAEL where airways inflammation (lung, larynx and nasal passage) was the main effect on rats. ATSDR also provides an MRL for acute exposure of 0.0008 mg/m^3.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2012. *Toxicological Profile for Vanadium.* Atlanta, GA: U.S. Department of Toxicology and Human Health Sciences, Public Health. Accessed March 2014.

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43.0 XYLENE

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	106	US EPA (2007)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	3.1	US EPA (2007)
Diffusivity in air	Da	cm^2/sec	0.078	US EPA (2007)
Fraction in vapour phase	Fv	unitless	1	US EPA (2007)
Diffusivity in water	Dw	unitless	$1.00x10^{-05}$	US EPA (2007)
Henry's Law Constant	H'	unitless	0.252	US EPA (2007)
	H	atm-m^3/mol	0.00615	US EPA (2007)
Soil water partition co-efficient	K_{ds}	cm^3/g	0.81	US EPA (2007)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

There are three forms of xylenes based on the placement of the methyl group on the benzene ring; *meta*-xylene, *ortho*-xylene, and *para*-xylene. Xylenes are generally a synthetic chemical produced from petroleum although it is naturally occurring in petroleum and coal tar, and formed during forest fires (ATSDR 2007).

Xylene can be found as a solvent used in printing and leather industries and as a paint thinner. Xylene can also be found in small quantities in gasoline and jet fuel. When xylene is in its liquid form it is easily absorbed into the soil and water. It is broken down within days, as a result in surface water and surface soil it is not common to find xylene in high concentrations (ATSDR 2007).

Exposure

Acute

Xylene enters the body via inhalation and dermal exposure. Although it can be absorbed via dermal contact, it is more common to inhale xylenes.

Exposure to high concentrations for short periods can also cause irritation of the skin, eyes, nose, and throat; difficulty in breathing; delayed reaction time; memory difficulties; and stomach discomfort. Extreme concentrations can result in loss of consciousness and death (ATSDR 2007).

Chronic

High levels of exposure to xylenes for short or long periods can cause headaches, lack of muscle coordination, dizziness, and confusion (ATSDR 2007).

Carcinogenicity

The US EPA has found that there is insufficient information to determine whether or not xylene is carcinogenic.

Toxicological Reference Values

Health Canada (2010) provides a TDI of 1.5 mg/kg-d for mixed xylenes, which was derived from a NOAEL of 150 mg/kg-d obtained from a chronic gavage study with rats using an uncertainty factor of 100. The critical effects were enlarged livers and kidneys.

Health Canada (2010) provides a TC of 0.18 mg/m³ based on an inhalation study with rats which provided a LOAEL. This was adjusted to a human equivalent concentration and an uncertainty factor of 100 was applied to derive the TC of 0.18 mg/m³.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2007. *Toxicological Profile for Xylenes (Update)*. Atlanta, GA: US Department of Health and Human Services, Public Health Service.

Health Canada. 2010. *Federal Contaminated Site Risk Assessment in Canada, Part II: Health Canada Toxicological Reference Values (TRVs).* Version 2.0.

United States Environmental Protection Agency (US EPA). 2007. *Region IX "Draft Risk Assessment for the Siemens Water Technologies Corp". Appendix F.*

44.0 ZINC

Chemical Properties

Parameter		Units	Value	Source
Molecular weight	MW	g/mol	65.4	US EPA (2005)
L_{og} octanol water partition co-efficient	L_{og} K_{ow}	unitless	0.23	US EPA (2005)
Diffusivity in air	Da	cm^2/sec	0.0772	US EPA (2005)
Fraction in vapour phase	Fv	unitless	0	US EPA (2005)
Diffusivity in water	Dw	unitless	$9.57x10^{-06}$	US EPA (2005)
Henry's Law Constant	H'	unitless	0	US EPA (2005)
	H	atm-m^3/mol	0	US EPA (2005)
Soil water partition co-efficient	K_{ds}	cm^3/g	1,000	US EPA (2005)
Relative absorption factor - ingestion	RAF_{ing}	unitless	1	Assumption
Relative absorption factor - dermal	RAF_{derm}	unitless	0.1	Assumption
Relative absorption factor - inhalation	RAF_{inh}	unitless	1	Assumption

Source

Zinc is one of the most common elements in the earth's crust. Zinc is found in the air, soil, and water and is present in all foods. Zinc enters the air, water, and soil as a result of both natural processes and human activities. Most zinc enters the environment as the result of mining, steel production, coal burning, and burning of wastes (ATSDR 2005).

Exposure

Acute

Inhaling large amounts of zinc (as zinc dust or fumes from smelting or welding) can cause a specific short-term disease called metal fume fever, which is generally reversible once exposure to zinc ceases. However, very little is known about the long-term effects of breathing zinc dust or fumes. If large doses of zinc are taken by mouth even for a short time, stomach cramps, nausea, and vomiting may occur. Ingesting high levels of zinc for several months may cause anemia, damage the pancreas, and decrease levels of high-density lipoprotein cholesterol (ATSDR 2005).

Chronic

The consumption of food containing very large amounts of zinc for a prolonged period of time caused multiple health effects in rats, mice, and ferrets, including anemia and injury to the pancreas and kidney. Rats that ate very large amounts of zinc became infertile. Rats that ate very large amounts of zinc after becoming pregnant had smaller babies.

Zinc deficiencies is at least as important a health problem as consuming too much zinc. Low level of zinc in the diet may result in loss of appetite, decreased sense of taste and smell, decreased immune function, slow wound healing, and skin sores. Zinc deficiencies during pregnancy can cause birth defects. (ATSDR 2005).

Carcinogenicity

The US EPA currently classifies zinc and compounds as carcinogenicity Group D (not classifiable as to human carcinogenicity).

Toxicological Reference Values

US EPA (2008) derived a chronic oral reference of 0.3 mg/kg-d based on a LOAEL from several human studies with similar, sensitive endpoints and similar dose levels (Fischer et al. 1984; Yadrick et al. 1989; Davis et al. 2000; Milne et al. 2001). This value was used as the oral exposure limit in the current assessment.

Health Canada lists oral TDIs for zinc for different age groups. The value for toddlers is 0.48 mg/kg-d. The TDI for the other age groups was adjusted based on their specific age class body weights relative to the toddler (Health Canada 2010). This value was used in the assessment.

Due to lack of scientific data, no organizations proposed inhalation values for zinc. An inhalation guideline was derived from the Health Canada oral TDI using the average toddler bodyweight of 16.5 kg and average daily inhalation of 8.3 m^3. The chronic inhalation value used for this study is 0.954 mg/m^3.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2005. *Toxicological Profile for Zinc*. Atlanta, GA: U.S. Department of Toxicology and Human Health Sciences, Public Health. Accessed October 2016.

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Appendix M2

Air Quality Results

Table M2-1: Baseline Annual Average Ambient Air Concentrations (mg/m^3) for the Lewis Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	1.97E-04	3.71E-07	2.67E-10	7.89E-04	6.44E-05	4.66E-02	5.27E-02	7.68E-07	2.32E-07
HHR2	3.64E-04	3.44E-07	2.46E-10	7.35E-04	6.01E-05	4.73E-02	6.44E-02	8.96E-07	2.15E-07
HHR3	1.14E-05	3.78E-08	4.07E-10	8.17E-05	7.41E-06	1.06E-02	1.31E-03	2.63E-07	2.36E-08
HHR4	1.33E-04	6.05E-07	2.84E-10	1.28E-03	1.04E-04	6.36E-02	2.97E-02	1.24E-06	3.78E-07
HHR5	5.07E-05	1.73E-07	3.63E-10	3.91E-04	3.19E-05	1.80E-02	9.28E-03	8.96E-07	1.10E-07
HHR6	4.20E-05	1.56E-07	2.90E-10	3.31E-04	2.76E-05	3.96E-02	4.50E-03	4.02E-07	9.76E-08
HHR7	3.20E-06	1.38E-08	1.00E-10	3.07E-05	2.83E-06	1.75E-03	4.99E-04	8.61E-08	8.70E-09
HHR8	1.40E-04	7.44E-07	2.21E-10	1.57E-03	1.28E-04	7.02E-02	2.51E-02	9.80E-07	4.65E-07
HHR9	1.35E-04	5.47E-07	2.28E-10	1.16E-03	9.46E-05	5.76E-02	3.15E-02	8.93E-07	3.42E-07
HHR10	1.77E-05	7.67E-08	1.83E-10	1.72E-04	1.69E-05	7.95E-03	3.04E-03	8.11E-07	4.85E-08
HHR11	8.96E-05	5.07E-07	2.95E-10	1.07E-03	8.75E-05	9.41E-02	1.02E-02	7.46E-07	3.17E-07
HHR12	1.65E-04	9.57E-07	2.79E-10	2.02E-03	1.65E-04	1.06E-01	2.30E-02	1.49E-06	5.98E-07
HHR13	1.05E-04	7.55E-07	3.02E-10	1.59E-03	1.30E-04	1.11E-01	1.19E-02	1.21E-06	4.71E-07
HHR14	1.42E-04	2.51E-07	3.15E-10	5.38E-04	4.39E-05	3.63E-02	3.02E-02	6.82E-07	1.57E-07
HHR15	3.30E-06	1.19E-08	1.58E-10	2.62E-05	2.52E-06	2.50E-03	4.28E-04	1.01E-07	7.47E-09
HHR16	4.91E-05	2.16E-07	2.23E-10	4.56E-04	3.75E-05	4.06E-02	6.12E-03	3.55E-07	1.35E-07
HHR17	2.77E-05	7.22E-08	2.74E-10	1.54E-04	1.29E-05	2.36E-02	2.32E-03	2.38E-07	4.52E-08
HHR18	1.60E-04	9.71E-07	2.59E-10	2.04E-03	1.67E-04	1.99E-01	1.83E-02	9.36E-07	6.06E-07
HHR19	1.65E-04	9.59E-07	2.71E-10	2.02E-03	1.65E-04	2.03E-01	1.83E-02	1.08E-06	5.99E-07
HHR20	1.90E-04	1.16E-06	2.69E-10	2.44E-03	2.00E-04	2.40E-01	2.16E-02	1.15E-06	7.25E-07
HHR21	9.69E-05	6.19E-07	3.02E-10	1.30E-03	1.07E-04	1.02E-01	1.10E-02	9.58E-07	3.87E-07
HHR22	1.31E-04	3.23E-07	2.81E-10	6.84E-04	5.62E-05	1.05E-01	1.19E-02	5.74E-07	2.02E-07
HHR23	1.38E-04	8.47E-07	2.79E-10	1.79E-03	1.46E-04	8.01E-02	2.45E-02	1.63E-06	5.30E-07
HHR24	1.48E-04	8.70E-07	2.72E-10	1.84E-03	1.50E-04	8.74E-02	2.41E-02	1.61E-06	5.44E-07
HHR25	3.45E-05	1.27E-07	2.44E-10	2.70E-04	2.25E-05	2.44E-02	6.88E-03	3.41E-07	7.93E-08
HHR26	1.40E-05	5.00E-08	3.02E-10	1.08E-04	9.53E-06	1.12E-02	1.75E-03	2.59E-07	3.13E-08
HHR27	8.37E-06	2.93E-08	2.94E-10	6.37E-05	5.89E-06	6.50E-03	1.08E-03	2.00E-07	1.83E-08
HHR28	6.83E-06	2.77E-08	1.43E-10	6.13E-05	5.49E-06	3.77E-03	1.17E-03	1.52E-07	1.74E-08
HHR29	1.41E-04	1.42E-06	2.87E-10	2.99E-03	2.44E-04	6.27E-02	1.95E-02	1.86E-06	8.87E-07
HHR30	3.26E-05	1.02E-07	2.33E-10	2.21E-04	1.84E-05	1.31E-02	6.89E-03	3.28E-07	6.40E-08
HHR31	3.68E-04	4.98E-06	3.73E-10	1.05E-02	8.54E-04	1.09E-01	3.70E-02	5.02E-06	3.11E-06
HHR32	2.20E-04	2.83E-06	3.68E-10	5.95E-03	4.86E-04	1.27E-01	2.52E-02	3.49E-06	1.77E-06
HHR33	2.47E-04	2.74E-06	2.28E-10	5.77E-03	4.71E-04	1.49E-01	2.35E-02	2.65E-06	1.72E-06

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR34	4.87E-05	2.08E-07	2.20E-10	4.38E-04	3.61E-05	3.84E-02	5.96E-03	3.49E-07	1.30E-07
HHR35	1.96E-04	2.31E-06	3.60E-10	4.85E-03	3.96E-04	1.34E-01	2.18E-02	3.04E-06	1.44E-06
HHR36	2.90E-04	1.37E-06	2.50E-10	2.90E-03	2.37E-04	2.00E-01	2.53E-02	1.74E-06	8.60E-07
HHR37	4.87E-05	1.40E-07	2.62E-10	3.04E-04	2.50E-05	1.77E-02	1.01E-02	4.49E-07	8.78E-08
HHR38	3.20E-04	8.50E-07	3.72E-10	1.79E-03	1.47E-04	2.32E-01	2.00E-02	1.19E-06	5.31E-07
HHR39	2.97E-05	7.31E-08	2.91E-10	1.56E-04	1.31E-05	2.53E-02	2.42E-03	2.54E-07	4.57E-08
HHR40	2.58E-05	6.79E-08	2.66E-10	1.44E-04	1.22E-05	2.19E-02	2.20E-03	2.31E-07	4.24E-08
HHR41	3.94E-05	8.93E-08	3.24E-10	1.90E-04	1.59E-05	3.37E-02	2.91E-03	2.88E-07	5.58E-08
HHR42	5.20E-05	2.32E-07	2.37E-10	4.90E-04	4.03E-05	4.42E-02	6.54E-03	3.75E-07	1.45E-07
HHR43	1.27E-04	5.39E-07	2.95E-10	1.14E-03	9.31E-05	6.33E-02	2.78E-02	1.06E-06	3.37E-07
HHR44	1.31E-04	7.80E-07	2.93E-10	1.64E-03	1.34E-04	8.29E-02	2.42E-02	1.53E-06	4.87E-07
HHR45	5.63E-06	2.26E-08	1.25E-10	4.97E-05	4.47E-06	3.28E-03	9.52E-04	1.16E-07	1.42E-08
HHR46	1.04E-05	4.01E-08	2.80E-10	9.07E-05	8.24E-06	5.50E-03	1.91E-03	2.77E-07	2.51E-08
HHR47	1.23E-05	4.88E-08	3.60E-10	1.11E-04	9.87E-06	6.30E-03	2.26E-03	3.51E-07	3.06E-08
HHR48	2.29E-05	6.17E-08	2.47E-10	1.32E-04	1.11E-05	1.94E-02	2.02E-03	2.16E-07	3.86E-08
HHR49	9.54E-06	3.64E-08	2.63E-10	8.20E-05	7.54E-06	5.19E-03	1.74E-03	2.52E-07	2.28E-08
HHR50	1.31E-05	5.29E-08	3.57E-10	1.20E-04	1.06E-05	6.67E-03	2.42E-03	3.84E-07	3.33E-08
HHR51	8.49E-06	3.23E-08	2.64E-10	7.23E-05	6.77E-06	4.79E-03	1.52E-03	2.16E-07	2.02E-08
HHR52	2.43E-05	2.29E-07	1.68E-10	5.00E-04	4.16E-05	8.77E-03	3.41E-03	8.67E-07	1.44E-07
HHR53	1.28E-05	4.83E-08	5.60E-10	1.11E-04	9.86E-06	6.86E-03	2.44E-03	3.97E-07	3.03E-08
HHR54	2.54E-05	2.26E-07	1.87E-10	4.92E-04	4.08E-05	9.35E-03	3.67E-03	8.50E-07	1.42E-07
HHR55	1.43E-05	6.15E-08	2.67E-10	1.39E-04	1.22E-05	6.85E-03	2.54E-03	4.33E-07	3.88E-08
HHR56	2.27E-05	1.08E-07	3.09E-10	2.41E-04	2.01E-05	1.05E-02	4.31E-03	5.90E-07	6.75E-08
HHR57	3.16E-05	1.19E-07	3.04E-10	2.68E-04	2.18E-05	1.37E-02	6.12E-03	5.56E-07	7.50E-08
HHR58	6.62E-06	2.42E-08	2.90E-10	5.28E-05	5.00E-06	4.40E-03	1.04E-03	1.62E-07	1.51E-08
HHR59	6.60E-06	2.41E-08	2.82E-10	5.26E-05	4.96E-06	4.42E-03	1.03E-03	1.61E-07	1.51E-08
HHR60	7.81E-06	2.88E-08	2.84E-10	6.28E-05	5.82E-06	5.21E-03	1.24E-03	1.81E-07	1.80E-08
HHR61	4.50E-05	1.31E-07	7.24E-10	2.94E-04	2.40E-05	2.01E-02	9.64E-03	6.34E-07	8.24E-08
HHR62	5.89E-05	1.41E-07	4.25E-10	3.29E-04	2.54E-05	2.20E-02	1.24E-02	9.75E-07	8.87E-08
HHR63	1.05E-04	2.11E-07	3.31E-10	4.56E-04	3.71E-05	3.23E-02	2.28E-02	6.92E-07	1.32E-07
HHR64	6.82E-05	1.52E-07	3.23E-10	3.24E-04	2.69E-05	6.10E-02	4.84E-03	5.21E-07	9.53E-08
HHR65	1.45E-04	3.08E-07	3.22E-10	6.55E-04	5.35E-05	4.50E-02	3.76E-02	7.05E-07	1.92E-07
HHR66	8.84E-06	3.10E-08	2.88E-10	6.73E-05	6.18E-06	6.82E-03	1.14E-03	2.02E-07	1.94E-08
HHR67	1.29E-05	4.73E-08	2.78E-10	1.02E-04	9.03E-06	1.01E-02	1.71E-03	2.43E-07	2.95E-08

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR68	2.52E-05	9.54E-08	2.46E-10	2.04E-04	1.71E-05	1.89E-02	4.08E-03	3.01E-07	5.96E-08
HHR69	1.71E-05	4.96E-08	2.16E-10	1.06E-04	9.01E-06	1.43E-02	1.66E-03	1.85E-07	3.10E-08
HHR70	2.34E-05	6.22E-08	2.48E-10	1.33E-04	1.12E-05	1.99E-02	2.07E-03	2.18E-07	3.89E-08
HHR71	2.95E-04	1.07E-06	3.50E-10	2.25E-03	1.84E-04	3.13E-01	2.34E-02	2.09E-06	6.67E-07
HHR72	4.71E-06	1.68E-08	1.79E-10	3.67E-05	3.43E-06	3.67E-03	5.88E-04	1.25E-07	1.05E-08
HHR73	7.45E-05	2.43E-07	2.68E-10	5.17E-04	4.25E-05	5.72E-02	9.25E-03	5.07E-07	1.52E-07
HHR74	1.76E-04	1.08E-06	2.65E-10	2.26E-03	1.85E-04	2.20E-01	2.01E-02	1.03E-06	6.72E-07
HHR75	1.41E-04	7.91E-07	3.76E-10	1.67E-03	1.36E-04	1.10E-01	2.00E-02	1.10E-06	4.94E-07
HHR76	1.75E-04	1.02E-06	3.98E-10	2.14E-03	1.75E-04	1.82E-01	1.98E-02	1.07E-06	6.36E-07
HHR77	8.77E-05	5.66E-07	2.85E-10	1.19E-03	9.76E-05	9.17E-02	1.02E-02	9.25E-07	3.54E-07
HHR78	8.99E-05	3.27E-07	3.13E-10	6.92E-04	5.69E-05	9.25E-02	7.79E-03	7.52E-07	2.05E-07
HHR79	1.51E-04	8.86E-07	2.72E-10	1.86E-03	1.52E-04	1.85E-01	1.69E-02	9.24E-07	5.53E-07
HHR80	1.07E-04	3.86E-07	2.64E-10	8.14E-04	6.68E-05	7.83E-02	1.02E-02	5.98E-07	2.41E-07
HHR81	7.45E-05	3.79E-07	2.71E-10	7.98E-04	6.54E-05	7.67E-02	9.13E-03	5.07E-07	2.37E-07
HHR82	6.49E-05	3.20E-07	2.73E-10	6.76E-04	5.55E-05	6.08E-02	8.92E-03	4.65E-07	2.00E-07
HHR83	6.87E-05	3.45E-07	2.65E-10	7.28E-04	5.98E-05	6.89E-02	8.75E-03	4.77E-07	2.16E-07
MPOI	3.71E-03	6.05E-06	2.23E-09	1.27E-02	1.04E-03	2.04E+00	1.54E+00	2.29E-05	3.78E-06

Table M2-1: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	7.12E-11	1.09E-03	5.26E-08	5.12E-07	7.87E-04	5.43E-06	1.55E-04	7.50E-09
HHR2	6.63E-11	1.89E-03	4.90E-08	5.43E-07	1.61E-03	1.13E-05	1.54E-04	5.82E-09
HHR3	8.97E-11	2.57E-05	1.40E-08	1.15E-07	2.94E-05	7.80E-07	1.66E-05	1.64E-09
HHR4	7.52E-11	6.30E-04	5.52E-08	8.95E-07	4.58E-04	4.02E-06	2.46E-04	4.30E-09
HHR5	7.54E-11	3.42E-04	7.62E-08	5.81E-07	2.81E-04	2.59E-05	1.08E-04	7.82E-09
HHR6	7.49E-11	7.79E-05	1.83E-08	2.20E-07	6.05E-05	7.21E-07	6.37E-05	1.49E-09
HHR7	2.74E-11	1.57E-05	5.81E-09	4.70E-08	8.95E-06	1.20E-06	7.80E-06	9.25E-10
HHR8	6.06E-11	5.56E-04	3.90E-08	6.97E-07	3.96E-04	3.21E-06	3.00E-04	2.72E-09
HHR9	6.12E-11	6.55E-04	4.05E-08	6.09E-07	4.46E-04	6.20E-06	2.27E-04	3.41E-09
HHR10	3.10E-10	1.09E-04	3.97E-08	2.53E-07	5.93E-05	1.12E-05	4.64E-05	1.41E-09
HHR11	8.39E-11	1.88E-04	2.87E-08	5.14E-07	1.36E-04	8.62E-07	2.03E-04	1.45E-09
HHR12	8.19E-11	5.56E-04	5.09E-08	1.05E-06	4.04E-04	5.47E-06	3.88E-04	2.46E-09
HHR13	8.73E-11	2.49E-04	4.11E-08	8.98E-07	1.80E-04	9.31E-07	3.01E-04	1.56E-09
HHR14	7.80E-11	7.27E-04	6.85E-08	4.46E-07	6.42E-04	4.58E-06	1.06E-04	1.68E-08
HHR15	3.58E-11	8.51E-06	7.47E-09	7.07E-08	7.92E-06	3.46E-07	5.59E-06	7.11E-10
HHR16	5.78E-11	1.15E-04	1.47E-08	2.22E-07	8.50E-05	6.25E-07	8.70E-05	8.83E-10
HHR17	5.93E-11	4.00E-05	9.89E-09	1.13E-07	3.31E-05	5.46E-07	2.98E-05	8.20E-10
HHR18	6.76E-11	2.99E-04	2.78E-08	6.66E-07	1.90E-04	7.47E-07	3.87E-04	1.09E-09
HHR19	6.90E-11	3.01E-04	2.87E-08	7.25E-07	1.93E-04	7.45E-07	3.83E-04	1.14E-09
HHR20	7.06E-11	3.51E-04	3.15E-08	8.10E-07	2.21E-04	7.79E-07	4.63E-04	1.16E-09
HHR21	8.68E-11	2.16E-04	3.46E-08	6.90E-07	1.57E-04	9.07E-07	2.48E-04	1.53E-09
HHR22	8.07E-11	2.05E-04	4.19E-08	3.76E-07	1.77E-04	1.39E-06	1.31E-04	2.68E-09
HHR23	9.18E-11	5.76E-04	5.50E-08	1.12E-06	4.09E-04	4.62E-06	3.43E-04	2.93E-09
HHR24	8.58E-11	5.85E-04	5.31E-08	1.10E-06	4.06E-04	7.89E-06	3.57E-04	2.75E-09
HHR25	6.49E-11	1.15E-04	3.35E-08	2.20E-07	8.41E-05	9.04E-07	5.22E-05	2.16E-09
HHR26	6.93E-11	3.29E-05	1.66E-08	1.46E-07	2.89E-05	7.14E-07	2.17E-05	1.41E-09
HHR27	6.47E-11	2.07E-05	1.31E-08	1.17E-07	1.94E-05	6.42E-07	1.32E-05	1.35E-09
HHR28	4.44E-11	3.05E-05	1.42E-08	8.22E-08	2.18E-05	1.67E-06	1.45E-05	6.75E-10
HHR29	6.40E-11	6.86E-04	4.58E-08	1.35E-06	4.96E-04	9.65E-07	5.65E-04	1.04E-09
HHR30	6.04E-11	1.46E-04	3.38E-08	2.27E-07	1.32E-04	2.58E-06	4.50E-05	2.58E-09
HHR31	8.30E-11	2.16E-03	1.04E-07	3.54E-06	1.67E-03	1.69E-06	1.98E-03	1.27E-09
HHR32	8.39E-11	1.05E-03	8.66E-08	2.67E-06	7.50E-04	1.42E-06	1.12E-03	1.20E-09
HHR33	6.16E-11	8.95E-04	7.22E-08	2.06E-06	6.43E-04	2.40E-06	1.09E-03	1.64E-09

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	5.75E-11	1.15E-04	1.45E-08	2.16E-07	8.52E-05	6.29E-07	8.38E-05	8.78E-10
HHR35	8.50E-11	7.93E-04	7.76E-08	2.34E-06	5.55E-04	1.30E-06	9.17E-04	1.19E-09
HHR36	6.84E-11	6.59E-04	5.32E-08	1.25E-06	4.76E-04	1.01E-05	5.61E-04	2.09E-09
HHR37	6.22E-11	2.32E-04	5.18E-08	3.42E-07	2.40E-04	4.46E-06	6.28E-05	5.17E-09
HHR38	8.76E-11	4.06E-04	3.38E-08	8.33E-07	3.57E-04	1.07E-06	3.39E-04	1.15E-09
HHR39	6.43E-11	4.13E-05	1.08E-08	1.18E-07	3.42E-05	5.88E-07	3.02E-05	9.27E-10
HHR40	5.88E-11	3.83E-05	9.94E-09	1.09E-07	3.16E-05	5.40E-07	2.80E-05	8.43E-10
HHR41	6.79E-11	4.82E-05	1.10E-08	1.37E-07	4.08E-05	6.27E-07	3.66E-05	8.44E-10
HHR42	6.12E-11	1.22E-04	1.56E-08	2.36E-07	8.91E-05	6.49E-07	9.36E-05	9.38E-10
HHR43	7.78E-11	5.86E-04	5.44E-08	7.56E-07	4.35E-04	3.43E-06	2.19E-04	4.39E-09
HHR44	8.12E-11	5.47E-04	6.26E-08	1.14E-06	4.01E-04	2.99E-06	3.14E-04	3.72E-09
HHR45	3.50E-11	2.30E-05	1.06E-08	6.43E-08	1.73E-05	1.05E-06	1.14E-05	5.99E-10
HHR46	7.55E-11	4.60E-05	3.88E-08	1.63E-07	4.29E-05	2.12E-06	2.10E-05	1.20E-09
HHR47	9.42E-11	5.93E-05	4.60E-08	1.94E-07	5.16E-05	3.36E-06	2.57E-05	1.22E-09
HHR48	5.60E-11	3.57E-05	9.71E-09	1.02E-07	2.94E-05	5.13E-07	2.56E-05	8.47E-10
HHR49	7.03E-11	4.03E-05	3.38E-08	1.45E-07	3.80E-05	1.67E-06	1.89E-05	1.26E-09
HHR50	9.77E-11	6.54E-05	4.87E-08	2.08E-07	5.54E-05	3.93E-06	2.79E-05	1.25E-09
HHR51	6.69E-11	3.43E-05	2.67E-08	1.25E-07	3.17E-05	1.34E-06	1.66E-05	1.21E-09
HHR52	1.05E-10	2.07E-04	4.14E-08	4.67E-07	8.29E-05	2.03E-05	1.23E-04	1.48E-09
HHR53	1.18E-10	5.78E-05	6.48E-08	2.37E-07	6.31E-05	2.63E-06	2.43E-05	1.43E-09
HHR54	8.27E-11	2.11E-04	4.47E-08	4.85E-07	8.75E-05	2.02E-05	1.22E-04	1.67E-09
HHR55	1.03E-10	7.97E-05	4.58E-08	2.23E-07	5.58E-05	5.93E-06	3.43E-05	1.22E-09
HHR56	7.79E-11	1.26E-04	9.94E-08	4.09E-07	1.19E-04	6.84E-06	5.40E-05	2.56E-09
HHR57	6.67E-11	1.80E-04	6.85E-08	3.78E-07	1.58E-04	1.14E-05	6.32E-05	4.80E-09
HHR58	6.06E-11	2.14E-05	1.39E-08	1.01E-07	1.93E-05	7.03E-07	1.13E-05	1.16E-09
HHR59	5.94E-11	2.10E-05	1.41E-08	1.08E-07	1.90E-05	6.84E-07	1.12E-05	1.19E-09
HHR60	6.12E-11	2.52E-05	1.71E-08	1.28E-07	2.31E-05	7.24E-07	1.31E-05	1.35E-09
HHR61	1.28E-10	2.32E-04	1.13E-07	4.83E-07	4.07E-04	7.26E-06	6.11E-05	2.34E-08
HHR62	8.57E-11	2.96E-04	2.40E-07	9.01E-07	6.70E-04	5.53E-06	6.35E-05	6.79E-08
HHR63	7.68E-11	5.29E-04	9.54E-08	4.82E-07	5.46E-04	4.47E-06	8.96E-05	2.45E-08
HHR64	7.22E-11	7.92E-05	1.44E-08	2.59E-07	6.77E-05	6.83E-07	6.20E-05	1.01E-09
HHR65	7.97E-11	7.62E-04	6.29E-08	4.68E-07	5.82E-04	4.02E-06	1.28E-04	7.90E-09
HHR66	6.33E-11	2.20E-05	1.35E-08	1.22E-07	2.03E-05	6.44E-07	1.39E-05	1.35E-09
HHR67	6.59E-11	3.25E-05	1.75E-08	1.48E-07	2.89E-05	6.94E-07	2.05E-05	1.58E-09

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	6.34E-11	7.31E-05	2.73E-08	1.90E-07	5.93E-05	8.04E-07	3.96E-05	1.88E-09
HHR69	5.05E-11	3.01E-05	8.87E-09	8.70E-08	2.47E-05	4.60E-07	2.08E-05	8.00E-10
HHR70	5.70E-11	3.64E-05	9.92E-09	1.03E-07	2.99E-05	5.22E-07	2.58E-05	8.76E-10
HHR71	7.92E-11	3.88E-04	3.52E-08	1.18E-06	2.83E-04	8.51E-07	4.26E-04	1.05E-09
HHR72	4.28E-11	1.16E-05	8.30E-09	7.54E-08	1.07E-05	3.87E-07	7.67E-06	8.71E-10
HHR73	7.38E-11	1.73E-04	4.65E-08	3.33E-07	1.50E-04	1.35E-06	9.91E-05	2.70E-09
HHR74	6.94E-11	3.26E-04	2.94E-08	7.33E-07	2.06E-04	7.68E-07	4.29E-04	1.12E-09
HHR75	9.50E-11	4.42E-04	4.37E-08	7.75E-07	3.62E-04	2.30E-06	3.17E-04	2.30E-09
HHR76	1.06E-10	3.74E-04	4.22E-08	7.59E-07	2.74E-04	1.41E-06	4.06E-04	2.14E-09
HHR77	8.19E-11	2.03E-04	3.42E-08	6.70E-07	1.51E-04	8.72E-07	2.27E-04	1.51E-09
HHR78	7.20E-11	1.34E-04	1.85E-08	4.06E-07	9.97E-05	7.03E-07	1.32E-04	1.07E-09
HHR79	7.30E-11	2.77E-04	2.78E-08	6.42E-07	1.79E-04	7.77E-07	3.53E-04	1.21E-09
HHR80	6.80E-11	2.04E-04	2.32E-08	4.10E-07	1.63E-04	9.02E-07	1.55E-04	1.20E-09
HHR81	7.23E-11	1.65E-04	2.09E-08	3.42E-07	1.17E-04	7.54E-07	1.52E-04	1.19E-09
HHR82	7.07E-11	1.62E-04	1.96E-08	3.11E-07	1.15E-04	7.43E-07	1.29E-04	1.14E-09
HHR83	6.96E-11	1.58E-04	1.97E-08	3.20E-07	1.12E-04	7.26E-07	1.39E-04	1.13E-09
MPOI	5.65E-10	1.88E-02	1.07E-06	1.02E-05	1.78E-02	1.03E-04	2.40E-03	2.83E-06

Table M2-1: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	2.34E-09	2.36E-09	2.33E-09	1.12E-07	5.78E-04	4.12E-08	4.87E-08
HHR2	2.38E-09	2.39E-09	2.36E-09	1.13E-07	1.08E-03	4.13E-08	4.58E-08
HHR3	1.42E-09	1.45E-09	1.41E-09	2.31E-08	6.48E-05	2.66E-08	6.13E-09
HHR4	1.60E-09	1.62E-09	1.59E-09	2.01E-07	6.37E-04	5.47E-08	7.72E-08
HHR5	8.75E-10	8.86E-10	8.49E-10	1.13E-07	2.13E-04	6.02E-08	2.49E-08
HHR6	1.18E-09	1.21E-09	1.17E-09	4.42E-08	3.20E-04	3.00E-08	2.09E-08
HHR7	8.05E-10	8.03E-10	7.77E-10	8.64E-09	1.53E-05	9.48E-09	2.69E-09
HHR8	1.03E-09	1.05E-09	1.02E-09	1.54E-07	5.21E-04	3.74E-08	9.41E-08
HHR9	1.15E-09	1.17E-09	1.14E-09	1.32E-07	5.12E-04	4.09E-08	7.00E-08
HHR10	8.03E-10	8.01E-10	7.53E-10	4.53E-08	8.00E-05	2.71E-08	1.13E-08
HHR11	1.09E-09	1.14E-09	1.08E-09	1.14E-07	8.66E-04	3.31E-08	6.46E-08
HHR12	1.09E-09	1.13E-09	1.09E-09	2.32E-07	7.30E-04	8.21E-08	1.21E-07
HHR13	1.16E-09	1.21E-09	1.15E-09	2.03E-07	1.04E-03	4.45E-08	9.56E-08
HHR14	2.41E-09	2.43E-09	2.40E-09	9.82E-08	4.47E-04	4.66E-08	3.41E-08
HHR15	5.70E-10	5.80E-10	5.59E-10	1.45E-08	1.83E-05	1.89E-08	2.06E-09
HHR16	6.63E-10	6.94E-10	6.55E-10	4.80E-08	3.18E-04	1.83E-08	2.77E-08
HHR17	6.58E-10	6.74E-10	6.51E-10	2.26E-08	1.45E-04	1.67E-08	9.85E-09
HHR18	8.24E-10	8.60E-10	8.15E-10	1.48E-07	2.09E-03	3.34E-08	1.22E-07
HHR19	8.47E-10	8.70E-10	8.37E-10	1.56E-07	2.10E-03	3.96E-08	1.21E-07
HHR20	8.56E-10	8.92E-10	8.47E-10	1.78E-07	2.54E-03	4.02E-08	1.46E-07
HHR21	1.14E-09	1.19E-09	1.13E-09	1.55E-07	9.39E-04	3.86E-08	7.87E-08
HHR22	1.72E-09	1.76E-09	1.71E-09	8.25E-08	6.35E-04	3.35E-08	4.21E-08
HHR23	1.15E-09	1.20E-09	1.16E-09	2.50E-07	6.73E-04	1.14E-07	1.07E-07
HHR24	1.12E-09	1.16E-09	1.12E-09	2.42E-07	6.67E-04	1.02E-07	1.10E-07
HHR25	1.60E-09	1.62E-09	1.58E-09	4.66E-08	2.43E-04	3.54E-08	1.74E-08
HHR26	1.10E-09	1.13E-09	1.09E-09	2.96E-08	8.55E-05	3.23E-08	7.43E-09
HHR27	1.10E-09	1.12E-09	1.09E-09	2.46E-08	4.66E-05	2.99E-08	4.66E-09
HHR28	5.18E-10	5.03E-10	4.38E-10	1.65E-08	3.45E-05	1.20E-08	4.13E-09
HHR29	6.69E-10	6.87E-10	6.59E-10	2.97E-07	5.22E-04	5.60E-08	1.78E-07
HHR30	1.11E-09	1.12E-09	1.08E-09	4.88E-08	1.55E-04	2.59E-08	1.38E-08
HHR31	7.51E-10	7.72E-10	7.38E-10	7.65E-07	9.89E-04	1.39E-07	6.24E-07
HHR32	7.23E-10	7.54E-10	7.11E-10	6.04E-07	1.10E-03	9.76E-08	3.55E-07
HHR33	8.16E-10	8.44E-10	8.06E-10	4.69E-07	8.92E-04	7.75E-08	3.44E-07

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	6.56E-10	6.87E-10	6.48E-10	4.68E-08	2.86E-04	1.80E-08	2.67E-08
HHR35	7.55E-10	7.95E-10	7.42E-10	5.32E-07	1.10E-03	8.61E-08	2.90E-07
HHR36	9.94E-10	1.02E-09	9.88E-10	2.77E-07	9.84E-04	6.68E-08	1.74E-07
HHR37	1.13E-09	1.14E-09	1.10E-09	7.35E-08	2.21E-04	3.73E-08	1.86E-08
HHR38	7.78E-10	8.21E-10	7.66E-10	1.85E-07	9.10E-04	4.18E-08	1.07E-07
HHR39	7.50E-10	7.68E-10	7.42E-10	2.36E-08	1.56E-04	1.87E-08	1.01E-08
HHR40	6.79E-10	6.95E-10	6.71E-10	2.18E-08	1.36E-04	1.71E-08	9.32E-09
HHR41	6.71E-10	6.87E-10	6.63E-10	2.69E-08	1.96E-04	1.81E-08	1.20E-08
HHR42	7.07E-10	7.39E-10	6.99E-10	5.11E-08	3.56E-04	1.94E-08	2.98E-08
HHR43	1.85E-09	1.88E-09	1.84E-09	1.69E-07	6.28E-04	4.86E-08	6.89E-08
HHR44	1.69E-09	1.72E-09	1.69E-09	2.59E-07	8.13E-04	6.08E-08	9.89E-08
HHR45	4.57E-10	4.49E-10	4.00E-10	1.30E-08	2.94E-05	1.03E-08	3.41E-09
HHR46	8.20E-10	8.05E-10	7.17E-10	3.35E-08	5.35E-05	1.96E-08	6.11E-09
HHR47	7.50E-10	7.43E-10	6.70E-10	3.95E-08	6.18E-05	2.17E-08	7.17E-09
HHR48	6.84E-10	7.00E-10	6.76E-10	2.05E-08	1.23E-04	1.70E-08	8.55E-09
HHR49	8.81E-10	8.55E-10	7.55E-10	2.94E-08	4.97E-05	1.85E-08	5.70E-09
HHR50	7.13E-10	7.11E-10	6.51E-10	4.22E-08	6.59E-05	2.29E-08	7.71E-09
HHR51	8.42E-10	8.22E-10	7.32E-10	2.48E-08	4.49E-05	1.77E-08	5.10E-09
HHR52	6.59E-10	6.61E-10	6.26E-10	8.86E-08	8.82E-05	3.45E-08	3.14E-08
HHR53	8.40E-10	8.41E-10	7.68E-10	4.97E-08	6.79E-05	2.54E-08	7.13E-09
HHR54	6.71E-10	6.74E-10	6.39E-10	9.23E-08	9.53E-05	3.62E-08	3.09E-08
HHR55	6.92E-10	6.93E-10	6.43E-10	4.43E-08	6.90E-05	2.38E-08	8.95E-09
HHR56	7.20E-10	7.27E-10	6.84E-10	8.54E-08	1.23E-04	3.53E-08	1.48E-08
HHR57	7.17E-10	7.26E-10	6.93E-10	7.66E-08	1.59E-04	4.00E-08	1.64E-08
HHR58	7.96E-10	8.05E-10	7.68E-10	1.85E-08	3.71E-05	2.19E-08	3.79E-09
HHR59	8.13E-10	8.23E-10	7.87E-10	2.00E-08	3.71E-05	2.40E-08	3.77E-09
HHR60	9.15E-10	9.26E-10	8.89E-10	2.43E-08	4.45E-05	2.84E-08	4.40E-09
HHR61	9.40E-10	9.56E-10	9.16E-10	1.06E-07	2.53E-04	6.82E-08	1.76E-08
HHR62	1.11E-09	1.12E-09	1.09E-09	2.06E-07	3.73E-04	1.01E-07	1.89E-08
HHR63	1.85E-09	1.87E-09	1.84E-09	1.07E-07	3.92E-04	4.75E-08	2.85E-08
HHR64	7.90E-10	8.08E-10	7.81E-10	4.77E-08	3.74E-04	2.69E-08	2.02E-08
HHR65	2.17E-09	2.19E-09	2.16E-09	1.03E-07	5.06E-04	4.03E-08	4.02E-08
HHR66	1.08E-09	1.10E-09	1.06E-09	2.57E-08	4.96E-05	3.11E-08	4.83E-09
HHR67	1.23E-09	1.24E-09	1.21E-09	3.08E-08	7.88E-05	3.53E-08	7.07E-09

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	1.42E-09	1.44E-09	1.41E-09	3.98E-08	1.70E-04	3.61E-08	1.34E-08
HHR69	6.48E-10	6.64E-10	6.41E-10	1.75E-08	9.47E-05	1.60E-08	6.99E-09
HHR70	7.07E-10	7.24E-10	6.99E-10	2.09E-08	1.27E-04	1.76E-08	8.64E-09
HHR71	7.99E-10	8.31E-10	7.89E-10	2.24E-07	2.53E-03	6.96E-08	1.36E-07
HHR72	7.07E-10	7.21E-10	6.96E-10	1.57E-08	2.64E-05	2.00E-08	2.78E-09
HHR73	1.68E-09	1.71E-09	1.66E-09	7.30E-08	4.12E-04	3.10E-08	3.20E-08
HHR74	8.50E-10	8.87E-10	8.41E-10	1.63E-07	2.33E-03	3.56E-08	1.35E-07
HHR75	1.14E-09	1.18E-09	1.14E-09	1.73E-07	7.50E-04	5.45E-08	1.00E-07
HHR76	1.48E-09	1.54E-09	1.47E-09	1.71E-07	2.04E-03	4.64E-08	1.29E-07
HHR77	1.12E-09	1.16E-09	1.10E-09	1.50E-07	8.30E-04	3.81E-08	7.20E-08
HHR78	8.30E-10	8.49E-10	8.21E-10	7.76E-08	7.45E-04	3.30E-08	4.22E-08
HHR79	8.99E-10	9.39E-10	8.89E-10	1.41E-07	1.91E-03	3.48E-08	1.12E-07
HHR80	8.02E-10	8.37E-10	7.92E-10	9.08E-08	4.31E-04	2.66E-08	4.92E-08
HHR81	8.84E-10	9.23E-10	8.75E-10	7.56E-08	7.13E-04	2.51E-08	4.82E-08
HHR82	8.43E-10	8.80E-10	8.34E-10	6.87E-08	5.37E-04	2.37E-08	4.09E-08
HHR83	8.35E-10	8.72E-10	8.27E-10	7.07E-08	6.29E-04	2.38E-08	4.41E-08
MPOI	1.67E-08	1.67E-08	1.66E-08	1.47E-06	6.08E-03	7.40E-07	7.57E-07

Table M2-1: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	3.71E-08	1.75E-07	2.40E-09	5.78E-04	9.33E-07	1.01E-10	4.37E-04	8.85E-03	7.69E-04
HHR2	4.55E-08	2.02E-07	2.43E-09	1.06E-03	8.67E-07	9.34E-11	4.12E-04	1.92E-02	1.86E-03
HHR3	4.71E-08	1.03E-07	1.54E-09	1.38E-05	9.63E-08	1.55E-10	6.13E-05	1.01E-03	9.83E-05
HHR4	3.74E-08	2.54E-07	1.67E-09	3.26E-04	1.52E-06	1.08E-10	6.96E-04	7.84E-03	4.07E-04
HHR5	2.92E-08	1.85E-07	8.97E-10	5.60E-04	4.47E-07	1.38E-10	2.39E-04	3.54E-03	3.23E-04
HHR6	4.13E-08	1.10E-07	1.28E-09	2.95E-05	3.93E-07	1.10E-10	1.92E-04	3.31E-03	5.17E-05
HHR7	1.08E-08	2.86E-08	7.84E-10	7.00E-06	3.63E-08	3.80E-11	2.24E-05	1.74E-04	7.32E-06
HHR8	2.85E-08	2.01E-07	1.10E-09	2.53E-04	1.86E-06	8.40E-11	8.49E-04	5.81E-03	2.82E-04
HHR9	2.94E-08	1.84E-07	1.22E-09	3.16E-04	1.37E-06	8.64E-11	6.32E-04	6.04E-03	3.68E-04
HHR10	1.26E-07	2.71E-07	8.85E-10	6.11E-05	1.98E-07	6.93E-11	1.36E-04	1.07E-03	5.23E-05
HHR11	3.77E-08	1.62E-07	1.30E-09	5.52E-05	1.27E-06	1.12E-10	5.85E-04	9.36E-03	7.61E-05
HHR12	3.76E-08	2.87E-07	1.20E-09	2.11E-04	2.40E-06	1.06E-10	1.09E-03	7.63E-03	2.55E-04
HHR13	4.06E-08	2.49E-07	1.38E-09	6.53E-05	1.89E-06	1.14E-10	8.63E-04	1.13E-02	8.31E-05
HHR14	5.03E-08	1.75E-07	2.47E-09	6.43E-04	6.33E-07	1.19E-10	3.05E-04	7.80E-03	6.79E-04
HHR15	1.90E-08	4.59E-08	6.06E-10	5.56E-06	3.07E-08	6.01E-11	2.23E-05	2.03E-04	8.39E-06
HHR16	2.48E-08	8.46E-08	7.93E-10	4.03E-05	5.41E-07	8.45E-11	2.54E-04	3.24E-03	5.27E-05
HHR17	2.95E-08	7.39E-08	7.19E-10	1.54E-05	1.82E-07	1.04E-10	9.25E-05	1.35E-03	2.67E-05
HHR18	3.26E-08	1.91E-07	9.75E-10	5.54E-05	2.43E-06	9.82E-11	1.10E-03	2.35E-02	6.85E-05
HHR19	3.55E-08	2.16E-07	9.61E-10	5.21E-05	2.40E-06	1.03E-10	1.09E-03	2.35E-02	6.60E-05
HHR20	3.55E-08	2.30E-07	1.01E-09	5.86E-05	2.91E-06	1.02E-10	1.31E-03	2.86E-02	7.08E-05
HHR21	3.95E-08	2.02E-07	1.36E-09	6.06E-05	1.55E-06	1.15E-10	7.11E-04	1.02E-02	8.09E-05
HHR22	4.05E-08	1.37E-07	1.88E-09	1.16E-04	8.10E-07	1.06E-10	3.83E-04	5.81E-03	1.63E-04
HHR23	4.02E-08	3.06E-07	1.26E-09	2.43E-04	2.12E-06	1.06E-10	9.67E-04	7.65E-03	2.89E-04
HHR24	3.92E-08	3.03E-07	1.22E-09	2.34E-04	2.18E-06	1.03E-10	9.95E-04	7.32E-03	2.79E-04
HHR25	3.75E-08	1.05E-07	1.69E-09	6.23E-05	3.20E-07	9.26E-11	1.57E-04	2.22E-03	6.51E-05
HHR26	3.96E-08	9.55E-08	1.19E-09	1.87E-05	1.27E-07	1.14E-10	7.41E-05	9.14E-04	2.83E-05
HHR27	3.42E-08	8.12E-08	1.17E-09	1.29E-05	7.47E-08	1.12E-10	4.91E-05	5.30E-04	2.40E-05
HHR28	1.66E-08	4.45E-08	4.28E-10	1.69E-05	7.10E-08	5.42E-11	4.09E-05	3.95E-04	1.73E-05
HHR29	3.31E-08	3.57E-07	7.44E-10	1.92E-04	3.55E-06	1.09E-10	1.60E-03	7.20E-03	1.39E-04
HHR30	2.69E-08	8.76E-08	1.13E-09	1.60E-04	2.58E-07	8.83E-11	1.31E-04	2.01E-03	1.33E-04
HHR31	5.38E-08	9.08E-07	8.29E-10	5.78E-04	1.24E-05	1.41E-10	5.60E-03	1.89E-02	4.05E-04
HHR32	4.93E-08	6.63E-07	8.61E-10	2.54E-04	7.07E-06	1.39E-10	3.18E-03	1.38E-02	1.85E-04
HHR33	3.38E-08	5.05E-07	9.32E-10	2.34E-04	6.87E-06	8.66E-11	3.09E-03	8.87E-03	2.24E-04

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	2.44E-08	8.36E-08	7.88E-10	4.10E-05	5.20E-07	8.35E-11	2.45E-04	2.86E-03	5.29E-05
HHR35	4.68E-08	5.83E-07	9.30E-10	1.84E-04	5.77E-06	1.36E-10	2.60E-03	1.26E-02	1.50E-04
HHR36	3.43E-08	3.33E-07	1.10E-09	2.15E-04	3.45E-06	9.48E-11	1.56E-03	8.14E-03	2.81E-04
HHR37	2.86E-08	1.13E-07	1.15E-09	3.83E-04	3.53E-07	9.94E-11	1.77E-04	3.36E-03	2.54E-04
HHR38	3.94E-08	2.46E-07	9.65E-10	1.33E-04	2.13E-06	1.41E-10	9.72E-04	5.96E-03	2.38E-04
HHR39	3.20E-08	7.99E-08	8.19E-10	1.65E-05	1.84E-07	1.10E-10	9.46E-05	1.42E-03	2.88E-05
HHR40	2.93E-08	7.30E-08	7.41E-10	1.52E-05	1.71E-07	1.01E-10	8.77E-05	1.26E-03	2.61E-05
HHR41	3.39E-08	8.64E-08	7.33E-10	1.78E-05	2.25E-07	1.23E-10	1.12E-04	1.75E-03	3.25E-05
HHR42	2.64E-08	8.88E-08	8.44E-10	4.20E-05	5.82E-07	8.98E-11	2.73E-04	3.64E-03	5.56E-05
HHR43	3.96E-08	2.26E-07	1.93E-09	3.16E-04	1.35E-06	1.12E-10	6.22E-04	7.69E-03	3.93E-04
HHR44	4.07E-08	3.11E-07	1.79E-09	2.62E-04	1.95E-06	1.11E-10	8.91E-04	9.54E-03	3.18E-04
HHR45	1.38E-08	3.62E-08	4.01E-10	1.34E-05	5.79E-08	4.75E-11	3.32E-05	3.33E-04	1.37E-05
HHR46	2.75E-08	7.83E-08	7.16E-10	3.58E-05	1.03E-07	1.06E-10	6.29E-05	6.22E-04	3.21E-05
HHR47	3.33E-08	9.75E-08	6.88E-10	4.51E-05	1.25E-07	1.36E-10	7.66E-05	7.36E-04	4.19E-05
HHR48	2.80E-08	6.93E-08	7.47E-10	1.47E-05	1.56E-07	9.36E-11	8.06E-05	1.15E-03	2.51E-05
HHR49	2.65E-08	7.37E-08	7.49E-10	3.18E-05	9.35E-08	9.99E-11	5.77E-05	5.73E-04	2.82E-05
HHR50	3.49E-08	1.06E-07	6.82E-10	4.99E-05	1.36E-07	1.35E-10	8.31E-05	7.83E-04	4.50E-05
HHR51	2.54E-08	6.75E-08	7.16E-10	2.67E-05	8.29E-08	1.00E-10	5.16E-05	5.15E-04	2.39E-05
HHR52	4.56E-08	1.94E-07	6.74E-10	7.51E-05	5.85E-07	6.36E-11	2.94E-04	1.08E-03	5.76E-05
HHR53	3.91E-08	1.09E-07	7.99E-10	5.47E-05	1.24E-07	2.12E-10	7.88E-05	8.23E-04	5.29E-05
HHR54	3.68E-08	1.83E-07	6.81E-10	8.70E-05	5.76E-07	7.10E-11	2.88E-04	1.16E-03	6.51E-05
HHR55	3.92E-08	1.18E-07	6.86E-10	5.15E-05	1.58E-07	1.01E-10	9.46E-05	7.99E-04	4.30E-05
HHR56	3.13E-08	1.43E-07	7.28E-10	1.41E-04	2.73E-07	1.17E-10	1.49E-04	1.37E-03	9.66E-05
HHR57	2.65E-08	1.24E-07	7.37E-10	2.56E-04	3.04E-07	1.15E-10	1.63E-04	2.03E-03	1.60E-04
HHR58	2.75E-08	6.75E-08	8.16E-10	1.61E-05	6.17E-08	1.10E-10	3.87E-05	4.19E-04	1.66E-05
HHR59	2.76E-08	6.87E-08	8.36E-10	1.57E-05	6.15E-08	1.07E-10	3.84E-05	4.17E-04	1.63E-05
HHR60	2.98E-08	7.66E-08	9.43E-10	1.97E-05	7.32E-08	1.08E-10	4.44E-05	4.99E-04	1.97E-05
HHR61	3.08E-08	1.47E-07	9.69E-10	1.04E-03	3.32E-07	2.74E-10	1.81E-04	4.94E-03	4.88E-04
HHR62	3.47E-08	2.37E-07	1.15E-09	1.92E-03	3.57E-07	1.61E-10	2.04E-04	7.49E-03	7.44E-04
HHR63	4.35E-08	1.71E-07	1.92E-09	7.90E-04	5.32E-07	1.25E-10	2.62E-04	6.69E-03	5.93E-04
HHR64	3.73E-08	1.20E-07	8.62E-10	2.51E-05	3.84E-07	1.23E-10	1.86E-04	3.39E-03	4.98E-05
HHR65	4.55E-08	1.72E-07	2.25E-09	5.05E-04	7.72E-07	1.22E-10	3.65E-04	7.09E-03	5.75E-04
HHR66	3.39E-08	8.17E-08	1.15E-09	1.38E-05	7.89E-08	1.09E-10	5.08E-05	5.55E-04	2.31E-05
HHR67	3.86E-08	9.47E-08	1.29E-09	1.99E-05	1.20E-07	1.05E-10	6.97E-05	8.54E-04	2.73E-05

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	3.67E-08	9.94E-08	1.51E-09	4.37E-05	2.41E-07	9.34E-11	1.22E-04	1.71E-03	4.77E-05
HHR69	2.55E-08	6.19E-08	7.12E-10	1.30E-05	1.25E-07	8.19E-11	6.65E-05	9.15E-04	2.22E-05
HHR70	2.85E-08	7.06E-08	7.73E-10	1.51E-05	1.57E-07	9.39E-11	8.13E-05	1.20E-03	2.59E-05
HHR71	4.45E-08	3.71E-07	9.27E-10	6.61E-05	2.67E-06	1.33E-10	1.22E-03	2.63E-02	1.33E-04
HHR72	2.23E-08	5.29E-08	7.62E-10	7.14E-06	4.31E-08	6.80E-11	2.91E-05	2.94E-04	1.29E-05
HHR73	3.93E-08	1.25E-07	1.80E-09	1.14E-04	6.11E-07	1.02E-10	2.91E-04	4.17E-03	1.29E-04
HHR74	3.39E-08	2.07E-07	1.01E-09	5.75E-05	2.69E-06	1.01E-10	1.22E-03	2.63E-02	7.04E-05
HHR75	4.00E-08	2.29E-07	1.27E-09	1.73E-04	1.98E-06	1.43E-10	9.05E-04	7.98E-03	2.13E-04
HHR76	4.89E-08	2.31E-07	1.70E-09	1.10E-04	2.54E-06	1.51E-10	1.16E-03	1.82E-02	1.85E-03
HHR77	3.80E-08	1.96E-07	1.32E-09	5.89E-05	1.42E-06	1.08E-10	6.50E-04	8.96E-03	7.45E-05
HHR78	3.78E-08	1.57E-07	9.06E-10	3.14E-05	8.22E-07	1.19E-10	3.84E-04	7.72E-03	5.44E-05
HHR79	3.51E-08	1.90E-07	1.07E-09	5.40E-05	2.22E-06	1.03E-10	1.01E-03	2.14E-02	6.96E-05
HHR80	2.98E-08	1.31E-07	9.53E-10	7.49E-05	9.67E-07	1.00E-10	4.47E-04	3.72E-03	1.07E-04
HHR81	3.14E-08	1.15E-07	1.05E-09	5.22E-05	9.48E-07	1.03E-10	4.37E-04	7.67E-03	7.35E-05
HHR82	3.04E-08	1.06E-07	9.96E-10	5.43E-05	8.03E-07	1.04E-10	3.72E-04	5.59E-03	7.41E-05
HHR83	3.01E-08	1.08E-07	9.89E-10	5.06E-05	8.65E-07	1.01E-10	4.00E-04	6.70E-03	7.01E-05
MPOI	2.33E-07	3.40E-06	1.69E-08	2.65E-02	1.51E-05	8.48E-10	6.78E-03	1.97E-01	2.07E-02

Table M2-1: *(cont'd)*

Receptor Location	Indeno(1,2,3-cd) pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	2.42E-09	4.10E-07	8.01E-08	1.21E-08	3.87E-05	1.02E-07	1.73E-06	5.20E-06	1.35E-06
HHR2	2.45E-09	4.36E-07	1.15E-07	9.88E-09	4.82E-05	1.12E-07	1.60E-06	4.79E-06	1.25E-06
HHR3	1.55E-09	4.66E-08	1.03E-07	1.22E-08	2.66E-06	1.10E-07	1.80E-07	7.93E-06	1.39E-07
HHR4	1.69E-09	7.67E-07	8.61E-08	9.40E-09	3.46E-05	1.12E-07	2.80E-06	5.53E-06	2.20E-06
HHR5	9.27E-10	4.09E-07	2.49E-07	2.53E-08	1.45E-05	1.09E-07	8.17E-07	7.07E-06	6.34E-07
HHR6	1.30E-09	1.50E-07	9.10E-08	1.10E-08	8.05E-06	1.02E-07	7.28E-07	5.65E-06	5.69E-07
HHR7	8.16E-10	2.49E-08	7.07E-08	4.34E-09	1.24E-06	2.95E-08	6.77E-08	1.95E-06	5.16E-08
HHR8	1.12E-09	5.93E-07	6.70E-08	7.07E-09	3.56E-05	7.84E-08	3.45E-06	4.31E-06	2.70E-06
HHR9	1.23E-09	5.09E-07	6.76E-08	7.70E-09	3.25E-05	8.54E-08	2.54E-06	4.44E-06	1.99E-06
HHR10	8.28E-10	1.62E-07	1.74E-07	8.15E-09	5.12E-06	2.43E-07	3.67E-07	3.56E-06	2.81E-07
HHR11	1.31E-09	4.30E-07	6.82E-08	6.16E-09	2.26E-05	9.24E-08	2.35E-06	5.74E-06	1.84E-06
HHR12	1.22E-09	9.00E-07	7.79E-08	7.46E-09	4.23E-05	1.53E-07	4.43E-06	5.42E-06	3.47E-06
HHR13	1.40E-09	7.74E-07	7.62E-08	6.47E-09	3.15E-05	1.01E-07	3.50E-06	5.88E-06	2.74E-06
HHR14	2.49E-09	3.26E-07	9.67E-08	1.98E-08	2.90E-05	1.29E-07	1.17E-06	6.13E-06	9.15E-07
HHR15	6.19E-10	1.72E-08	8.62E-08	1.07E-08	9.26E-07	5.52E-08	5.80E-08	3.09E-06	4.40E-08
HHR16	8.03E-10	1.77E-07	4.12E-08	3.78E-09	1.03E-05	5.85E-08	1.00E-06	4.33E-06	7.84E-07
HHR17	7.29E-10	7.72E-08	4.71E-08	5.46E-09	3.82E-06	6.76E-08	3.38E-07	5.32E-06	2.63E-07
HHR18	9.86E-10	5.73E-07	5.71E-08	4.62E-09	4.25E-05	7.90E-08	4.50E-06	5.04E-06	3.53E-06
HHR19	9.73E-10	6.14E-07	6.99E-08	6.33E-09	4.22E-05	8.95E-08	4.44E-06	5.28E-06	3.48E-06
HHR20	1.02E-09	6.94E-07	6.84E-08	5.63E-09	5.08E-05	8.79E-08	5.38E-06	5.24E-06	4.22E-06
HHR21	1.37E-09	5.87E-07	7.22E-08	6.38E-09	2.66E-05	9.73E-08	2.87E-06	5.88E-06	2.25E-06
HHR22	1.89E-09	2.99E-07	7.99E-08	8.15E-09	1.70E-05	1.02E-07	1.50E-06	5.47E-06	1.17E-06
HHR23	1.28E-09	9.71E-07	8.18E-08	7.83E-09	3.96E-05	1.98E-07	3.93E-06	5.44E-06	3.08E-06
HHR24	1.24E-09	9.46E-07	8.09E-08	7.70E-09	3.99E-05	1.80E-07	4.03E-06	5.30E-06	3.16E-06
HHR25	1.70E-09	1.50E-07	9.96E-08	1.59E-08	8.76E-06	1.04E-07	5.92E-07	4.77E-06	4.62E-07
HHR26	1.20E-09	6.23E-08	1.32E-07	1.64E-08	3.19E-06	1.05E-07	2.37E-07	5.88E-06	1.83E-07
HHR27	1.19E-09	4.00E-08	1.12E-07	1.63E-08	2.08E-06	9.39E-08	1.40E-07	5.73E-06	1.07E-07
HHR28	5.17E-10	5.38E-08	6.87E-08	5.03E-09	1.96E-06	4.15E-08	1.34E-07	2.78E-06	1.02E-07
HHR29	7.57E-10	1.18E-06	6.95E-08	4.84E-09	5.46E-05	8.75E-08	6.58E-06	5.57E-06	5.15E-06
HHR30	1.16E-09	1.54E-07	9.43E-08	1.12E-08	8.07E-06	7.16E-08	4.78E-07	4.53E-06	3.72E-07
HHR31	8.45E-10	3.11E-06	1.31E-07	5.18E-09	1.76E-04	1.70E-07	2.31E-05	7.24E-06	1.81E-05
HHR32	8.75E-10	2.36E-06	9.79E-08	5.20E-09	1.02E-04	1.27E-07	1.31E-05	7.15E-06	1.03E-05
HHR33	9.44E-10	1.82E-06	8.38E-08	6.01E-09	9.58E-05	9.79E-08	1.27E-05	4.44E-06	9.95E-06

Receptor Location	Indeno(1,2,3-cd) pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	7.98E-10	1.73E-07	4.06E-08	3.74E-09	9.90E-06	5.75E-08	9.65E-07	4.28E-06	7.54E-07
HHR35	9.43E-10	2.07E-06	8.85E-08	5.27E-09	8.38E-05	1.17E-07	1.07E-05	7.00E-06	8.36E-06
HHR36	1.12E-09	1.09E-06	7.68E-08	7.06E-09	5.45E-05	1.10E-07	6.37E-06	4.86E-06	4.99E-06
HHR37	1.18E-09	2.32E-07	1.60E-07	1.71E-08	1.21E-05	8.34E-08	6.54E-07	5.10E-06	5.10E-07
HHR38	9.78E-10	7.17E-07	6.43E-08	5.24E-09	3.43E-05	9.16E-08	3.94E-06	7.23E-06	3.08E-06
HHR39	8.29E-10	7.83E-08	5.45E-08	6.27E-09	3.94E-06	7.40E-08	3.42E-07	5.65E-06	2.66E-07
HHR40	7.51E-10	7.25E-08	4.89E-08	5.79E-09	3.64E-06	6.77E-08	3.18E-07	5.18E-06	2.47E-07
HHR41	7.43E-10	9.69E-08	4.85E-08	5.34E-09	4.60E-06	7.62E-08	4.17E-07	6.30E-06	3.25E-07
HHR42	8.54E-10	1.89E-07	4.34E-08	3.94E-09	1.11E-05	6.23E-08	1.08E-06	4.61E-06	8.44E-07
HHR43	1.95E-09	6.39E-07	8.88E-08	9.39E-09	3.19E-05	1.12E-07	2.50E-06	5.75E-06	1.96E-06
HHR44	1.81E-09	9.85E-07	9.13E-08	8.45E-09	3.84E-05	1.23E-07	3.61E-06	5.70E-06	2.83E-06
HHR45	4.66E-10	4.02E-08	6.48E-08	4.39E-09	1.61E-06	3.49E-08	1.09E-07	2.44E-06	8.33E-08
HHR46	8.31E-10	1.14E-07	1.64E-07	7.34E-09	3.50E-06	6.75E-08	1.95E-07	5.45E-06	1.48E-07
HHR47	7.72E-10	1.41E-07	1.57E-07	7.87E-09	4.27E-06	7.91E-08	2.35E-07	7.00E-06	1.79E-07
HHR48	7.57E-10	6.59E-08	5.01E-08	6.01E-09	3.37E-06	6.55E-08	2.89E-07	4.80E-06	2.25E-07
HHR49	8.70E-10	9.90E-08	1.87E-07	6.62E-09	3.20E-06	6.44E-08	1.78E-07	5.13E-06	1.35E-07
HHR50	7.44E-10	1.52E-07	1.62E-07	8.44E-09	4.65E-06	8.31E-08	2.53E-07	6.94E-06	1.94E-07
HHR51	8.41E-10	7.91E-08	2.07E-07	6.43E-09	2.78E-06	6.19E-08	1.58E-07	5.15E-06	1.19E-07
HHR52	6.89E-10	3.64E-07	1.91E-07	9.23E-09	1.01E-05	1.10E-07	1.07E-06	3.27E-06	8.37E-07
HHR53	8.79E-10	1.75E-07	2.23E-07	8.40E-09	4.95E-06	9.12E-08	2.32E-07	1.09E-05	1.77E-07
HHR54	7.04E-10	3.78E-07	2.30E-07	1.01E-08	1.02E-05	9.65E-08	1.06E-06	3.65E-06	8.23E-07
HHR55	7.24E-10	1.63E-07	1.54E-07	8.91E-09	4.89E-06	9.10E-08	2.94E-07	5.19E-06	2.26E-07
HHR56	7.65E-10	3.17E-07	3.54E-07	1.32E-08	9.76E-06	9.03E-08	5.05E-07	6.02E-06	3.92E-07
HHR57	7.63E-10	2.79E-07	2.25E-07	1.88E-08	1.15E-05	9.08E-08	5.59E-07	5.93E-06	4.35E-07
HHR58	8.49E-10	4.25E-08	2.01E-07	1.05E-08	1.89E-06	7.20E-08	1.16E-07	5.65E-06	8.89E-08
HHR59	8.68E-10	4.16E-08	2.08E-07	1.20E-08	1.87E-06	7.50E-08	1.16E-07	5.50E-06	8.85E-08
HHR60	9.74E-10	5.07E-08	2.31E-07	1.45E-08	2.22E-06	8.40E-08	1.37E-07	5.56E-06	1.06E-07
HHR61	9.99E-10	3.55E-07	1.38E-07	4.12E-08	1.82E-05	1.36E-07	6.14E-07	1.41E-05	4.78E-07
HHR62	1.18E-09	6.11E-07	1.37E-07	5.90E-08	3.33E-05	1.70E-07	6.60E-07	8.29E-06	5.15E-07
HHR63	1.93E-09	3.56E-07	1.03E-07	2.13E-08	2.64E-05	1.22E-07	9.84E-07	6.45E-06	7.69E-07
HHR64	8.74E-10	1.95E-07	6.36E-08	7.05E-09	7.50E-06	9.07E-08	7.10E-07	6.29E-06	5.55E-07
HHR65	2.27E-09	3.61E-07	9.60E-08	1.31E-08	3.05E-05	1.16E-07	1.43E-06	6.27E-06	1.12E-06
HHR66	1.17E-09	4.25E-08	1.17E-07	1.71E-08	2.14E-06	9.50E-08	1.48E-07	5.61E-06	1.14E-07
HHR67	1.31E-09	6.18E-08	1.45E-07	1.88E-08	3.12E-06	1.08E-07	2.24E-07	5.43E-06	1.73E-07

Receptor Location	Indeno(1,2,3-cd) pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	1.53E-09	1.15E-07	1.13E-07	1.74E-08	6.29E-06	1.05E-07	4.46E-07	4.82E-06	3.48E-07
HHR69	7.21E-10	5.35E-08	4.95E-08	6.04E-09	2.80E-06	6.05E-08	2.33E-07	4.20E-06	1.81E-07
HHR70	7.82E-10	6.65E-08	5.24E-08	6.28E-09	3.42E-06	6.70E-08	2.92E-07	4.82E-06	2.27E-07
HHR71	9.40E-10	9.92E-07	9.03E-08	4.74E-09	4.70E-05	1.32E-07	4.95E-06	6.79E-06	3.88E-06
HHR72	7.75E-10	2.23E-08	7.98E-08	1.08E-08	1.24E-06	6.16E-08	8.12E-08	3.50E-06	6.19E-08
HHR73	1.82E-09	2.58E-07	8.46E-08	8.89E-09	1.38E-05	9.75E-08	1.13E-06	5.23E-06	8.85E-07
HHR74	1.02E-09	6.31E-07	6.00E-08	4.77E-09	4.70E-05	8.24E-08	4.98E-06	5.16E-06	3.91E-06
HHR75	1.29E-09	6.59E-07	7.42E-08	6.93E-09	3.73E-05	1.25E-07	3.66E-06	7.31E-06	2.87E-06
HHR76	1.72E-09	6.46E-07	7.64E-08	6.54E-09	4.44E-05	1.22E-07	4.72E-06	7.74E-06	3.69E-06
HHR77	1.34E-09	5.70E-07	7.39E-08	6.76E-09	2.46E-05	9.47E-08	2.63E-06	5.55E-06	2.06E-06
HHR78	9.18E-10	3.22E-07	7.02E-08	7.31E-09	1.51E-05	9.41E-08	1.52E-06	6.09E-06	1.19E-06
HHR79	1.08E-09	5.46E-07	6.50E-08	5.50E-09	3.90E-05	8.59E-08	4.10E-06	5.30E-06	3.22E-06
HHR80	9.65E-10	3.43E-07	5.43E-08	5.06E-09	1.72E-05	7.29E-08	1.79E-06	5.14E-06	1.40E-06
HHR81	1.06E-09	2.80E-07	5.20E-08	4.86E-09	1.75E-05	7.58E-08	1.76E-06	5.28E-06	1.38E-06
HHR82	1.01E-09	2.54E-07	4.98E-08	4.60E-09	1.54E-05	7.32E-08	1.49E-06	5.31E-06	1.16E-06
HHR83	1.00E-09	2.62E-07	4.98E-08	4.67E-09	1.62E-05	7.26E-08	1.60E-06	5.16E-06	1.26E-06
MPOI	1.69E-08	8.40E-06	7.81E-07	8.31E-08	6.97E-04	9.67E-07	2.80E-05	4.34E-05	2.19E-05

Table M2-1: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	4.79E-08	1.82E-07	2.70E-09	4.40E-04	2.30E-03	5.27E-08	2.96E-03	1.93E-06
HHR2	7.78E-08	2.14E-07	3.94E-09	9.77E-04	4.49E-03	5.44E-08	5.25E-03	2.07E-06
HHR3	3.22E-08	1.08E-07	2.54E-09	1.43E-05	6.84E-05	6.01E-08	7.40E-05	6.08E-07
HHR4	4.09E-08	3.03E-07	2.45E-09	2.41E-04	1.33E-03	5.37E-08	1.69E-03	3.15E-06
HHR5	2.87E-08	3.03E-07	5.36E-09	8.95E-05	1.92E-03	7.30E-08	2.81E-03	2.46E-06
HHR6	3.53E-08	1.25E-07	2.63E-09	4.76E-05	1.54E-04	5.52E-08	1.71E-04	9.42E-07
HHR7	1.05E-08	7.52E-08	9.79E-10	4.25E-06	3.48E-05	1.70E-08	3.88E-05	2.32E-07
HHR8	2.70E-08	2.34E-07	2.24E-09	2.03E-04	1.06E-03	3.78E-08	1.34E-03	2.45E-06
HHR9	2.89E-08	2.01E-07	2.43E-09	2.34E-04	1.29E-03	4.18E-08	1.67E-03	2.22E-06
HHR10	2.16E-08	1.77E-07	6.31E-09	2.53E-05	2.78E-04	1.05E-07	3.33E-04	1.20E-06
HHR11	3.47E-08	2.02E-07	2.50E-09	8.79E-05	3.20E-04	4.38E-08	3.35E-04	1.83E-06
HHR12	3.08E-08	3.47E-07	2.59E-09	2.24E-04	9.87E-04	6.73E-08	1.15E-03	3.77E-06
HHR13	3.69E-08	3.26E-07	2.55E-09	9.75E-05	3.99E-04	4.56E-08	4.02E-04	3.08E-06
HHR14	8.04E-08	1.61E-07	3.09E-09	3.38E-04	2.38E-03	7.25E-08	3.19E-03	1.82E-06
HHR15	1.95E-08	8.76E-08	1.33E-09	4.25E-06	2.79E-05	3.58E-08	3.07E-05	4.00E-07
HHR16	1.87E-08	9.09E-08	1.56E-09	5.95E-05	2.02E-04	2.74E-08	2.32E-04	8.36E-07
HHR17	1.96E-08	6.11E-08	1.81E-09	3.34E-05	8.13E-05	3.41E-08	8.96E-05	4.95E-07
HHR18	2.55E-08	2.27E-07	2.15E-09	1.10E-04	4.42E-04	3.48E-08	3.93E-04	2.31E-06
HHR19	2.76E-08	2.47E-07	3.29E-09	1.15E-04	4.47E-04	4.12E-08	3.90E-04	2.59E-06
HHR20	2.83E-08	2.76E-07	2.69E-09	1.25E-04	5.11E-04	3.93E-08	4.40E-04	2.83E-06
HHR21	3.63E-08	2.59E-07	2.54E-09	9.33E-05	3.59E-04	4.52E-08	3.69E-04	2.40E-06
HHR22	5.47E-08	1.61E-07	2.55E-09	1.69E-04	4.99E-04	5.02E-08	6.16E-04	1.41E-06
HHR23	3.22E-08	3.67E-07	2.46E-09	2.06E-04	1.07E-03	8.63E-08	1.30E-03	4.14E-06
HHR24	3.13E-08	3.55E-07	2.86E-09	2.13E-04	1.06E-03	7.89E-08	1.27E-03	4.04E-06
HHR25	5.41E-08	1.41E-07	2.34E-09	6.25E-05	2.61E-04	6.20E-08	3.37E-04	9.39E-07
HHR26	3.95E-08	1.43E-07	2.56E-09	1.75E-05	8.88E-05	6.35E-08	1.02E-04	7.44E-07
HHR27	3.34E-08	1.17E-07	2.14E-09	1.07E-05	6.13E-05	5.89E-08	7.05E-05	6.58E-07
HHR28	1.20E-08	7.73E-08	1.23E-09	9.56E-06	7.90E-05	2.27E-08	9.13E-05	3.53E-07
HHR29	1.98E-08	4.27E-07	3.35E-09	1.35E-04	1.02E-03	3.31E-08	1.02E-03	4.61E-06
HHR30	3.13E-08	1.23E-07	1.87E-09	5.88E-05	5.80E-04	4.24E-08	8.03E-04	9.47E-07
HHR31	2.20E-08	1.04E-06	1.09E-08	3.15E-04	3.30E-03	5.13E-08	2.88E-03	1.22E-05
HHR32	2.14E-08	8.52E-07	3.70E-09	1.91E-04	1.47E-03	4.03E-08	1.39E-03	8.92E-06
HHR33	2.21E-08	6.65E-07	2.52E-09	2.61E-04	1.27E-03	3.48E-08	1.32E-03	6.86E-06

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	1.86E-08	8.88E-08	1.53E-09	5.97E-05	2.02E-04	2.70E-08	2.33E-04	8.18E-07
HHR35	2.13E-08	7.55E-07	2.89E-09	1.80E-04	1.08E-03	3.84E-08	1.06E-03	7.81E-06
HHR36	2.72E-08	4.05E-07	3.16E-09	3.60E-04	1.09E-03	4.71E-08	1.22E-03	4.36E-06
HHR37	3.37E-08	2.02E-07	2.47E-09	9.39E-05	1.29E-03	5.32E-08	1.90E-03	1.41E-06
HHR38	2.21E-08	2.82E-07	2.64E-09	4.06E-04	6.92E-04	3.80E-08	7.46E-04	2.90E-06
HHR39	2.16E-08	6.98E-08	1.97E-09	3.59E-05	8.54E-05	3.77E-08	9.51E-05	5.27E-07
HHR40	1.98E-08	6.27E-08	1.79E-09	3.13E-05	7.89E-05	3.46E-08	8.79E-05	4.83E-07
HHR41	2.12E-08	6.58E-08	2.12E-09	4.74E-05	9.70E-05	3.72E-08	1.05E-04	5.87E-07
HHR42	1.99E-08	9.67E-08	1.67E-09	6.29E-05	2.12E-04	2.92E-08	2.43E-04	8.86E-07
HHR43	4.59E-08	2.65E-07	2.50E-09	2.31E-04	1.28E-03	5.44E-08	1.63E-03	2.70E-06
HHR44	4.29E-08	3.90E-07	2.42E-09	1.99E-04	1.11E-03	5.57E-08	1.38E-03	3.96E-06
HHR45	1.14E-08	7.20E-08	1.06E-09	7.84E-06	6.15E-05	1.93E-08	7.24E-05	2.82E-07
HHR46	2.09E-08	1.87E-07	2.32E-09	1.54E-05	1.54E-04	3.53E-08	1.86E-04	6.53E-07
HHR47	2.04E-08	1.81E-07	2.59E-09	1.82E-05	1.95E-04	4.07E-08	2.35E-04	7.71E-07
HHR48	1.97E-08	6.30E-08	1.71E-09	2.78E-05	7.47E-05	3.40E-08	8.40E-05	4.62E-07
HHR49	2.28E-08	2.09E-07	2.40E-09	1.40E-05	1.35E-04	3.30E-08	1.65E-04	5.87E-07
HHR50	2.02E-08	1.87E-07	2.71E-09	1.95E-05	2.16E-04	4.29E-08	2.60E-04	8.27E-07
HHR51	2.31E-08	2.27E-07	2.45E-09	1.24E-05	1.14E-04	3.16E-08	1.39E-04	5.24E-07
HHR52	1.91E-08	2.62E-07	5.08E-09	2.77E-05	3.77E-04	4.94E-08	4.28E-04	1.85E-06
HHR53	2.45E-08	2.59E-07	3.25E-09	1.96E-05	2.34E-04	4.57E-08	2.81E-04	9.15E-07
HHR54	1.97E-08	3.08E-07	4.97E-09	3.03E-05	4.18E-04	4.61E-08	4.88E-04	1.90E-06
HHR55	1.93E-08	1.77E-07	2.91E-09	2.05E-05	2.28E-04	4.66E-08	2.73E-04	9.08E-07
HHR56	2.24E-08	4.23E-07	3.98E-09	3.65E-05	5.67E-04	4.95E-08	7.18E-04	1.51E-06
HHR57	2.34E-08	2.72E-07	3.44E-09	5.45E-05	9.23E-04	5.83E-08	1.29E-03	1.48E-06
HHR58	3.09E-08	2.12E-07	2.41E-09	9.24E-06	6.86E-05	4.12E-08	8.42E-05	5.02E-07
HHR59	3.16E-08	2.19E-07	2.46E-09	9.15E-06	6.69E-05	4.44E-08	8.21E-05	5.45E-07
HHR60	3.68E-08	2.44E-07	2.70E-09	1.09E-05	8.26E-05	5.12E-08	1.02E-04	6.47E-07
HHR61	3.15E-08	1.90E-07	2.37E-09	8.85E-05	3.26E-03	1.07E-07	5.15E-03	1.97E-06
HHR62	3.78E-08	2.74E-07	2.36E-09	1.26E-04	5.97E-03	1.41E-07	9.47E-03	3.73E-06
HHR63	6.08E-08	1.69E-07	2.76E-09	2.38E-04	2.69E-03	7.41E-08	3.92E-03	1.93E-06
HHR64	2.55E-08	9.95E-08	3.33E-09	7.91E-05	1.52E-04	4.46E-08	1.55E-04	1.09E-06
HHR65	6.76E-08	1.76E-07	2.89E-09	3.09E-04	1.92E-03	6.06E-08	2.58E-03	1.81E-06
HHR66	3.49E-08	1.24E-07	2.16E-09	1.13E-05	6.50E-05	6.03E-08	7.52E-05	6.85E-07
HHR67	4.38E-08	1.57E-07	2.49E-09	1.63E-05	9.29E-05	6.76E-08	1.09E-04	7.97E-07

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	5.07E-08	1.42E-07	2.36E-09	3.73E-05	1.89E-04	6.44E-08	2.33E-04	8.92E-07
HHR69	1.88E-08	6.00E-08	1.53E-09	2.09E-05	6.45E-05	3.21E-08	7.35E-05	4.11E-07
HHR70	2.03E-08	6.59E-08	1.74E-09	2.84E-05	7.65E-05	3.50E-08	8.63E-05	4.72E-07
HHR71	2.64E-08	3.07E-07	9.76E-09	2.80E-04	5.99E-04	5.14E-08	5.08E-04	4.48E-06
HHR72	2.16E-08	8.38E-08	1.43E-09	6.06E-06	3.44E-05	3.87E-08	3.91E-05	4.25E-07
HHR73	5.55E-08	1.48E-07	2.47E-09	1.02E-04	4.73E-04	5.00E-08	5.93E-04	1.27E-06
HHR74	2.68E-08	2.47E-07	2.26E-09	1.18E-04	4.77E-04	3.63E-08	4.15E-04	2.54E-06
HHR75	3.21E-08	2.69E-07	2.34E-09	1.92E-04	8.32E-04	5.60E-08	9.48E-04	2.77E-06
HHR76	4.18E-08	2.76E-07	2.84E-09	7.03E-04	6.37E-04	5.47E-08	6.64E-04	2.65E-06
HHR77	3.60E-08	2.54E-07	2.44E-09	8.72E-05	3.43E-04	4.44E-08	3.55E-04	2.34E-06
HHR78	2.67E-08	1.39E-07	4.07E-09	8.79E-05	2.26E-04	4.56E-08	2.12E-04	1.62E-06
HHR79	2.94E-08	2.28E-07	2.44E-09	1.08E-04	4.18E-04	3.94E-08	3.77E-04	2.26E-06
HHR80	2.22E-08	1.56E-07	1.89E-09	1.37E-04	3.64E-04	3.32E-08	4.18E-04	1.47E-06
HHR81	2.58E-08	1.33E-07	2.00E-09	7.91E-05	2.81E-04	3.52E-08	3.11E-04	1.25E-06
HHR82	2.40E-08	1.22E-07	1.90E-09	8.03E-05	2.75E-04	3.39E-08	3.18E-04	1.14E-06
HHR83	2.42E-08	1.25E-07	1.91E-09	7.63E-05	2.69E-04	3.36E-08	3.01E-04	1.17E-06
MPOI	2.20E-07	1.46E-06	1.55E-07	1.22E-02	7.59E-02	2.98E-07	1.31E-01	4.35E-05

Table M2-2: Application Annual Average Ambient Air Concentrations for the Lewis Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	1.97E-04	3.71E-07	3.20E-10	7.89E-04	6.45E-05	4.66E-02	5.27E-02	7.85E-07	2.32E-07
HHR2	3.64E-04	3.44E-07	2.96E-10	7.35E-04	6.02E-05	4.73E-02	6.44E-02	9.12E-07	2.15E-07
HHR3	1.14E-05	3.78E-08	4.93E-10	8.20E-05	7.62E-06	1.06E-02	1.32E-03	2.86E-07	2.36E-08
HHR4	1.33E-04	6.05E-07	3.44E-10	1.28E-03	1.05E-04	6.36E-02	2.97E-02	1.26E-06	3.78E-07
HHR5	5.07E-05	1.73E-07	4.20E-10	3.91E-04	3.20E-05	1.80E-02	9.28E-03	9.14E-07	1.10E-07
HHR6	4.20E-05	1.56E-07	3.62E-10	3.31E-04	2.77E-05	3.96E-02	4.50E-03	4.26E-07	9.76E-08
HHR7	3.20E-06	1.38E-08	1.25E-10	3.07E-05	2.88E-06	1.75E-03	4.99E-04	9.31E-08	8.70E-09
HHR8	1.40E-04	7.44E-07	2.68E-10	1.57E-03	1.28E-04	7.02E-02	2.51E-02	9.93E-07	4.65E-07
HHR9	1.35E-04	5.47E-07	2.72E-10	1.16E-03	9.47E-05	5.76E-02	3.15E-02	9.08E-07	3.42E-07
HHR10	1.77E-05	7.67E-08	2.33E-10	1.72E-04	1.70E-05	7.97E-03	3.04E-03	8.23E-07	4.85E-08
HHR11	8.96E-05	5.07E-07	3.53E-10	1.07E-03	8.76E-05	9.42E-02	1.02E-02	7.65E-07	3.17E-07
HHR12	1.65E-04	9.57E-07	3.34E-10	2.02E-03	1.65E-04	1.06E-01	2.30E-02	1.50E-06	5.98E-07
HHR13	1.05E-04	7.55E-07	3.64E-10	1.59E-03	1.30E-04	1.11E-01	1.19E-02	1.23E-06	4.71E-07
HHR14	1.42E-04	2.51E-07	3.79E-10	5.38E-04	4.40E-05	3.63E-02	3.02E-02	6.99E-07	1.57E-07
HHR15	3.30E-06	1.20E-08	2.57E-10	2.64E-05	2.70E-06	2.52E-03	4.29E-04	1.26E-07	7.48E-09
HHR16	4.91E-05	2.16E-07	2.58E-10	4.56E-04	3.76E-05	4.06E-02	6.12E-03	3.68E-07	1.35E-07
HHR17	2.77E-05	7.22E-08	3.07E-10	1.54E-04	1.30E-05	2.36E-02	2.32E-03	2.48E-07	4.52E-08
HHR18	1.60E-04	9.71E-07	3.01E-10	2.04E-03	1.67E-04	1.99E-01	1.83E-02	9.49E-07	6.06E-07
HHR19	1.65E-04	9.59E-07	3.20E-10	2.02E-03	1.65E-04	2.03E-01	1.83E-02	1.10E-06	5.99E-07
HHR20	1.90E-04	1.16E-06	3.17E-10	2.44E-03	2.00E-04	2.40E-01	2.16E-02	1.17E-06	7.25E-07
HHR21	9.69E-05	6.19E-07	3.63E-10	1.30E-03	1.07E-04	1.02E-01	1.10E-02	9.78E-07	3.87E-07
HHR22	1.31E-04	3.23E-07	3.77E-10	6.84E-04	5.64E-05	1.05E-01	1.19E-02	6.01E-07	2.02E-07
HHR23	1.38E-04	8.47E-07	3.36E-10	1.79E-03	1.46E-04	8.01E-02	2.45E-02	1.65E-06	5.30E-07
HHR24	1.48E-04	8.70E-07	3.27E-10	1.84E-03	1.50E-04	8.74E-02	2.41E-02	1.63E-06	5.44E-07
HHR25	3.45E-05	1.27E-07	3.61E-10	2.71E-04	2.27E-05	2.44E-02	6.88E-03	3.76E-07	7.93E-08
HHR26	1.40E-05	5.00E-08	4.72E-10	1.08E-04	9.82E-06	1.13E-02	1.75E-03	3.03E-07	3.13E-08
HHR27	8.39E-06	2.93E-08	4.43E-10	6.41E-05	6.15E-06	6.54E-03	1.08E-03	2.39E-07	1.83E-08
HHR28	6.84E-06	2.77E-08	1.99E-10	6.14E-05	5.59E-06	3.79E-03	1.17E-03	1.67E-07	1.74E-08
HHR29	1.41E-04	1.42E-06	3.11E-10	2.99E-03	2.44E-04	6.27E-02	1.95E-02	1.87E-06	8.87E-07
HHR30	3.26E-05	1.02E-07	2.80E-10	2.21E-04	1.85E-05	1.31E-02	6.89E-03	3.44E-07	6.40E-08
HHR31	3.68E-04	4.98E-06	4.01E-10	1.05E-02	8.54E-04	1.09E-01	3.70E-02	5.03E-06	3.11E-06
HHR32	2.20E-04	2.83E-06	3.97E-10	5.95E-03	4.86E-04	1.27E-01	2.52E-02	3.50E-06	1.77E-06
HHR33	2.47E-04	2.74E-06	2.68E-10	5.77E-03	4.71E-04	1.49E-01	2.35E-02	2.66E-06	1.72E-06

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR34	4.87E-05	2.08E-07	2.54E-10	4.38E-04	3.62E-05	3.84E-02	5.96E-03	3.62E-07	1.30E-07
HHR35	1.96E-04	2.31E-06	3.91E-10	4.85E-03	3.96E-04	1.34E-01	2.18E-02	3.05E-06	1.44E-06
HHR36	2.91E-04	1.37E-06	3.00E-10	2.90E-03	2.37E-04	2.00E-01	2.53E-02	1.75E-06	8.60E-07
HHR37	4.87E-05	1.40E-07	3.11E-10	3.04E-04	2.51E-05	1.77E-02	1.01E-02	4.66E-07	8.78E-08
HHR38	3.20E-04	8.50E-07	4.02E-10	1.79E-03	1.47E-04	2.32E-01	2.00E-02	1.20E-06	5.31E-07
HHR39	2.97E-05	7.31E-08	3.28E-10	1.56E-04	1.32E-05	2.53E-02	2.42E-03	2.64E-07	4.57E-08
HHR40	2.58E-05	6.79E-08	3.01E-10	1.45E-04	1.23E-05	2.19E-02	2.20E-03	2.41E-07	4.24E-08
HHR41	3.94E-05	8.93E-08	3.57E-10	1.90E-04	1.60E-05	3.37E-02	2.91E-03	2.98E-07	5.58E-08
HHR42	5.21E-05	2.32E-07	2.74E-10	4.90E-04	4.04E-05	4.42E-02	6.54E-03	3.88E-07	1.45E-07
HHR43	1.27E-04	5.39E-07	3.60E-10	1.14E-03	9.32E-05	6.34E-02	2.78E-02	1.08E-06	3.37E-07
HHR44	1.31E-04	7.80E-07	3.60E-10	1.64E-03	1.34E-04	8.29E-02	2.42E-02	1.55E-06	4.87E-07
HHR45	5.63E-06	2.26E-08	1.81E-10	4.98E-05	4.56E-06	3.29E-03	9.52E-04	1.29E-07	1.42E-08
HHR46	1.04E-05	4.01E-08	3.76E-10	9.09E-05	8.41E-06	5.53E-03	1.91E-03	3.02E-07	2.51E-08
HHR47	1.23E-05	4.88E-08	4.44E-10	1.11E-04	1.00E-05	6.33E-03	2.26E-03	3.74E-07	3.07E-08
HHR48	2.29E-05	6.17E-08	2.83E-10	1.32E-04	1.12E-05	1.94E-02	2.02E-03	2.25E-07	3.86E-08
HHR49	9.55E-06	3.64E-08	3.71E-10	8.22E-05	7.74E-06	5.22E-03	1.74E-03	2.82E-07	2.28E-08
HHR50	1.31E-05	5.30E-08	4.37E-10	1.20E-04	1.08E-05	6.70E-03	2.42E-03	4.06E-07	3.33E-08
HHR51	8.50E-06	3.23E-08	3.84E-10	7.25E-05	6.97E-06	4.83E-03	1.52E-03	2.47E-07	2.02E-08
HHR52	2.43E-05	2.29E-07	2.20E-10	5.00E-04	4.17E-05	8.79E-03	3.41E-03	8.79E-07	1.44E-07
HHR53	1.28E-05	4.83E-08	6.68E-10	1.12E-04	1.00E-05	6.90E-03	2.44E-03	4.25E-07	3.03E-08
HHR54	2.54E-05	2.26E-07	2.41E-10	4.93E-04	4.09E-05	9.36E-03	3.67E-03	8.62E-07	1.42E-07
HHR55	1.43E-05	6.16E-08	3.38E-10	1.39E-04	1.24E-05	6.87E-03	2.54E-03	4.52E-07	3.88E-08
HHR56	2.28E-05	1.08E-07	3.83E-10	2.42E-04	2.02E-05	1.05E-02	4.32E-03	6.04E-07	6.75E-08
HHR57	3.16E-05	1.19E-07	3.65E-10	2.68E-04	2.19E-05	1.37E-02	6.12E-03	5.70E-07	7.50E-08
HHR58	6.66E-06	2.42E-08	4.45E-10	5.31E-05	5.22E-06	4.45E-03	1.04E-03	2.02E-07	1.51E-08
HHR59	6.64E-06	2.41E-08	4.43E-10	5.29E-05	5.18E-06	4.48E-03	1.03E-03	2.03E-07	1.51E-08
HHR60	7.87E-06	2.88E-08	5.14E-10	6.31E-05	6.11E-06	5.30E-03	1.24E-03	2.40E-07	1.80E-08
HHR61	4.50E-05	1.31E-07	7.97E-10	2.94E-04	2.41E-05	2.01E-02	9.64E-03	6.45E-07	8.24E-08
HHR62	5.90E-05	1.42E-07	5.15E-10	3.29E-04	2.56E-05	2.20E-02	1.24E-02	9.91E-07	8.87E-08
HHR63	1.05E-04	2.11E-07	4.07E-10	4.56E-04	3.72E-05	3.23E-02	2.28E-02	7.11E-07	1.32E-07
HHR64	6.82E-05	1.52E-07	3.69E-10	3.24E-04	2.70E-05	6.11E-02	4.84E-03	5.35E-07	9.53E-08
HHR65	1.45E-04	3.08E-07	3.89E-10	6.55E-04	5.36E-05	4.51E-02	3.76E-02	7.21E-07	1.92E-07
HHR66	8.85E-06	3.10E-08	4.46E-10	6.77E-05	6.46E-06	6.86E-03	1.14E-03	2.43E-07	1.94E-08
HHR67	1.29E-05	4.73E-08	4.82E-10	1.02E-04	9.38E-06	1.01E-02	1.71E-03	2.97E-07	2.96E-08

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR68	2.52E-05	9.54E-08	3.85E-10	2.04E-04	1.74E-05	1.89E-02	4.08E-03	3.40E-07	5.96E-08
HHR69	1.71E-05	4.96E-08	2.53E-10	1.06E-04	9.09E-06	1.43E-02	1.66E-03	1.95E-07	3.10E-08
HHR70	2.34E-05	6.22E-08	2.85E-10	1.33E-04	1.13E-05	1.99E-02	2.07E-03	2.28E-07	3.89E-08
HHR71	2.95E-04	1.07E-06	3.90E-10	2.25E-03	1.84E-04	3.13E-01	2.34E-02	2.10E-06	6.67E-07
HHR72	4.71E-06	1.69E-08	2.62E-10	3.69E-05	3.56E-06	3.69E-03	5.88E-04	1.47E-07	1.05E-08
HHR73	7.46E-05	2.43E-07	3.76E-10	5.17E-04	4.27E-05	5.72E-02	9.25E-03	5.37E-07	1.52E-07
HHR74	1.76E-04	1.08E-06	3.09E-10	2.26E-03	1.85E-04	2.21E-01	2.01E-02	1.04E-06	6.72E-07
HHR75	1.41E-04	7.91E-07	4.36E-10	1.67E-03	1.36E-04	1.10E-01	2.00E-02	1.12E-06	4.94E-07
HHR76	1.75E-04	1.02E-06	4.71E-10	2.14E-03	1.75E-04	1.82E-01	1.98E-02	1.09E-06	6.36E-07
HHR77	8.77E-05	5.66E-07	3.48E-10	1.19E-03	9.78E-05	9.17E-02	1.02E-02	9.45E-07	3.54E-07
HHR78	8.99E-05	3.27E-07	3.62E-10	6.93E-04	5.70E-05	9.25E-02	7.79E-03	7.68E-07	2.05E-07
HHR79	1.51E-04	8.86E-07	3.21E-10	1.86E-03	1.52E-04	1.85E-01	1.69E-02	9.37E-07	5.53E-07
HHR80	1.07E-04	3.86E-07	3.10E-10	8.14E-04	6.69E-05	7.84E-02	1.02E-02	6.12E-07	2.41E-07
HHR81	7.45E-05	3.79E-07	3.17E-10	7.98E-04	6.55E-05	7.67E-02	9.13E-03	5.22E-07	2.37E-07
HHR82	6.49E-05	3.20E-07	3.18E-10	6.76E-04	5.56E-05	6.08E-02	8.92E-03	4.80E-07	2.00E-07
HHR83	6.87E-05	3.45E-07	3.09E-10	7.28E-04	5.98E-05	6.89E-02	8.75E-03	4.92E-07	2.16E-07
MPOI	3.71E-03	6.05E-06	1.46E-08	1.27E-02	1.04E-03	2.04E+00	1.54E+00	2.29E-05	3.78E-06

Table M2-2: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	7.97E-11	1.09E-03	5.32E-08	5.13E-07	7.87E-04	5.52E-06	1.55E-04	7.51E-09
HHR2	7.43E-11	1.89E-03	4.95E-08	5.44E-07	1.61E-03	1.14E-05	1.54E-04	5.83E-09
HHR3	1.04E-10	2.57E-05	1.49E-08	1.18E-07	2.94E-05	9.11E-07	1.69E-05	1.66E-09
HHR4	8.51E-11	6.30E-04	5.58E-08	8.97E-07	4.58E-04	4.12E-06	2.46E-04	4.32E-09
HHR5	8.46E-11	3.42E-04	7.69E-08	5.83E-07	2.81E-04	2.60E-05	1.08E-04	7.83E-09
HHR6	8.68E-11	7.79E-05	1.92E-08	2.22E-07	6.05E-05	8.58E-07	6.39E-05	1.51E-09
HHR7	3.17E-11	1.57E-05	6.05E-09	4.76E-08	8.95E-06	1.24E-06	7.85E-06	9.30E-10
HHR8	6.74E-11	5.56E-04	3.95E-08	6.98E-07	3.96E-04	3.28E-06	3.00E-04	2.73E-09
HHR9	6.84E-11	6.55E-04	4.11E-08	6.10E-07	4.46E-04	6.27E-06	2.27E-04	3.42E-09
HHR10	3.18E-10	1.09E-04	4.02E-08	2.54E-07	5.93E-05	1.12E-05	4.65E-05	1.42E-09
HHR11	9.34E-11	1.88E-04	2.93E-08	5.16E-07	1.36E-04	9.47E-07	2.03E-04	1.47E-09
HHR12	9.11E-11	5.56E-04	5.15E-08	1.05E-06	4.04E-04	5.56E-06	3.88E-04	2.47E-09
HHR13	9.75E-11	2.49E-04	4.18E-08	9.00E-07	1.80E-04	1.02E-06	3.02E-04	1.58E-09
HHR14	8.84E-11	7.27E-04	6.92E-08	4.47E-07	6.42E-04	4.67E-06	1.06E-04	1.68E-08
HHR15	5.23E-11	8.51E-06	8.32E-09	7.29E-08	7.92E-06	4.91E-07	5.79E-06	7.37E-10
HHR16	6.37E-11	1.15E-04	1.52E-08	2.23E-07	8.50E-05	6.97E-07	8.71E-05	8.92E-10
HHR17	6.48E-11	4.00E-05	1.03E-08	1.14E-07	3.31E-05	5.94E-07	2.99E-05	8.30E-10
HHR18	7.46E-11	2.99E-04	2.83E-08	6.68E-07	1.90E-04	8.17E-07	3.87E-04	1.10E-09
HHR19	7.70E-11	3.01E-04	2.92E-08	7.26E-07	1.93E-04	8.23E-07	3.83E-04	1.15E-09
HHR20	7.85E-11	3.51E-04	3.21E-08	8.11E-07	2.21E-04	8.52E-07	4.63E-04	1.18E-09
HHR21	9.68E-11	2.16E-04	3.52E-08	6.91E-07	1.57E-04	9.94E-07	2.48E-04	1.55E-09
HHR22	9.65E-11	2.05E-04	4.28E-08	3.78E-07	1.77E-04	1.53E-06	1.31E-04	2.70E-09
HHR23	1.01E-10	5.76E-04	5.56E-08	1.12E-06	4.09E-04	4.71E-06	3.43E-04	2.94E-09
HHR24	9.49E-11	5.85E-04	5.37E-08	1.10E-06	4.06E-04	7.98E-06	3.57E-04	2.76E-09
HHR25	8.39E-11	1.15E-04	3.46E-08	2.23E-07	8.41E-05	1.09E-06	5.25E-05	2.18E-09
HHR26	9.65E-11	3.29E-05	1.81E-08	1.50E-07	2.89E-05	9.59E-07	2.20E-05	1.44E-09
HHR27	8.92E-11	2.07E-05	1.44E-08	1.21E-07	1.94E-05	8.58E-07	1.35E-05	1.39E-09
HHR28	5.38E-11	3.05E-05	1.47E-08	8.35E-08	2.18E-05	1.75E-06	1.46E-05	6.88E-10
HHR29	6.82E-11	6.86E-04	4.61E-08	1.35E-06	4.96E-04	1.02E-06	5.65E-04	1.05E-09
HHR30	6.78E-11	1.46E-04	3.43E-08	2.29E-07	1.32E-04	2.67E-06	4.51E-05	2.59E-09
HHR31	8.78E-11	2.16E-03	1.04E-07	3.54E-06	1.67E-03	1.74E-06	1.98E-03	1.28E-09
HHR32	8.90E-11	1.05E-03	8.70E-08	2.67E-06	7.50E-04	1.48E-06	1.12E-03	1.21E-09
HHR33	6.82E-11	8.95E-04	7.27E-08	2.06E-06	6.43E-04	2.47E-06	1.09E-03	1.65E-09

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	6.33E-11	1.15E-04	1.49E-08	2.18E-07	8.52E-05	6.99E-07	8.39E-05	8.87E-10
HHR35	9.03E-11	7.93E-04	7.80E-08	2.34E-06	5.55E-04	1.36E-06	9.17E-04	1.20E-09
HHR36	7.68E-11	6.59E-04	5.37E-08	1.25E-06	4.76E-04	1.02E-05	5.61E-04	2.10E-09
HHR37	7.01E-11	2.32E-04	5.24E-08	3.43E-07	2.40E-04	4.54E-06	6.30E-05	5.18E-09
HHR38	9.27E-11	4.07E-04	3.42E-08	8.34E-07	3.57E-04	1.13E-06	3.39E-04	1.16E-09
HHR39	7.06E-11	4.13E-05	1.12E-08	1.19E-07	3.42E-05	6.44E-07	3.03E-05	9.39E-10
HHR40	6.46E-11	3.84E-05	1.04E-08	1.10E-07	3.16E-05	5.91E-07	2.81E-05	8.53E-10
HHR41	7.35E-11	4.82E-05	1.14E-08	1.38E-07	4.08E-05	6.76E-07	3.67E-05	8.55E-10
HHR42	6.74E-11	1.22E-04	1.60E-08	2.37E-07	8.91E-05	7.24E-07	9.37E-05	9.48E-10
HHR43	8.84E-11	5.86E-04	5.51E-08	7.58E-07	4.35E-04	3.54E-06	2.19E-04	4.40E-09
HHR44	9.22E-11	5.47E-04	6.34E-08	1.15E-06	4.01E-04	3.09E-06	3.14E-04	3.73E-09
HHR45	4.43E-11	2.30E-05	1.11E-08	6.55E-08	1.73E-05	1.12E-06	1.15E-05	6.11E-10
HHR46	9.10E-11	4.60E-05	3.96E-08	1.65E-07	4.29E-05	2.26E-06	2.12E-05	1.22E-09
HHR47	1.08E-10	5.93E-05	4.67E-08	1.96E-07	5.16E-05	3.49E-06	2.59E-05	1.23E-09
HHR48	6.21E-11	3.57E-05	1.01E-08	1.03E-07	2.94E-05	5.67E-07	2.57E-05	8.57E-10
HHR49	8.78E-11	4.03E-05	3.48E-08	1.47E-07	3.80E-05	1.84E-06	1.91E-05	1.28E-09
HHR50	1.11E-10	6.54E-05	4.95E-08	2.10E-07	5.54E-05	4.05E-06	2.81E-05	1.26E-09
HHR51	8.64E-11	3.43E-05	2.77E-08	1.28E-07	3.17E-05	1.51E-06	1.68E-05	1.23E-09
HHR52	1.13E-10	2.07E-04	4.20E-08	4.69E-07	8.29E-05	2.03E-05	1.23E-04	1.50E-09
HHR53	1.35E-10	5.78E-05	6.58E-08	2.39E-07	6.31E-05	2.79E-06	2.45E-05	1.45E-09
HHR54	9.03E-11	2.11E-04	4.53E-08	4.86E-07	8.75E-05	2.03E-05	1.22E-04	1.68E-09
HHR55	1.15E-10	7.97E-05	4.65E-08	2.25E-07	5.58E-05	6.03E-06	3.44E-05	1.24E-09
HHR56	8.97E-11	1.26E-04	1.00E-07	4.11E-07	1.19E-04	6.92E-06	5.42E-05	2.57E-09
HHR57	7.65E-11	1.80E-04	6.91E-08	3.80E-07	1.58E-04	1.15E-05	6.33E-05	4.81E-09
HHR58	8.56E-11	2.14E-05	1.52E-08	1.05E-07	1.93E-05	9.25E-07	1.15E-05	1.19E-09
HHR59	8.53E-11	2.11E-05	1.55E-08	1.11E-07	1.90E-05	9.14E-07	1.14E-05	1.22E-09
HHR60	9.81E-11	2.52E-05	1.91E-08	1.33E-07	2.31E-05	1.05E-06	1.35E-05	1.40E-09
HHR61	1.40E-10	2.32E-04	1.13E-07	4.84E-07	4.07E-04	7.32E-06	6.13E-05	2.34E-08
HHR62	1.00E-10	2.96E-04	2.41E-07	9.03E-07	6.70E-04	5.62E-06	6.37E-05	6.79E-08
HHR63	8.91E-11	5.29E-04	9.61E-08	4.84E-07	5.46E-04	4.58E-06	8.98E-05	2.45E-08
HHR64	7.99E-11	7.92E-05	1.50E-08	2.60E-07	6.77E-05	7.51E-07	6.22E-05	1.02E-09
HHR65	9.05E-11	7.62E-04	6.36E-08	4.69E-07	5.82E-04	4.13E-06	1.28E-04	7.91E-09
HHR66	8.93E-11	2.20E-05	1.50E-08	1.26E-07	2.03E-05	8.73E-07	1.42E-05	1.39E-09
HHR67	9.67E-11	3.25E-05	1.94E-08	1.53E-07	2.89E-05	9.90E-07	2.09E-05	1.61E-09

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	8.58E-11	7.32E-05	2.87E-08	1.94E-07	5.93E-05	1.03E-06	3.99E-05	1.91E-09
HHR69	5.67E-11	3.01E-05	9.31E-09	8.81E-08	2.47E-05	5.15E-07	2.09E-05	8.10E-10
HHR70	6.34E-11	3.64E-05	1.04E-08	1.05E-07	2.99E-05	5.78E-07	2.59E-05	8.87E-10
HHR71	8.58E-11	3.88E-04	3.57E-08	1.18E-06	2.83E-04	9.17E-07	4.26E-04	1.07E-09
HHR72	5.70E-11	1.16E-05	9.06E-09	7.74E-08	1.07E-05	5.11E-07	7.83E-06	8.93E-10
HHR73	9.15E-11	1.73E-04	4.75E-08	3.36E-07	1.50E-04	1.51E-06	9.93E-05	2.73E-09
HHR74	7.67E-11	3.26E-04	3.00E-08	7.35E-07	2.06E-04	8.37E-07	4.29E-04	1.13E-09
HHR75	1.05E-10	4.42E-04	4.43E-08	7.77E-07	3.62E-04	2.40E-06	3.17E-04	2.31E-09
HHR76	1.19E-10	3.74E-04	4.29E-08	7.61E-07	2.74E-04	1.52E-06	4.07E-04	2.16E-09
HHR77	9.23E-11	2.03E-04	3.49E-08	6.72E-07	1.51E-04	9.64E-07	2.27E-04	1.53E-09
HHR78	8.01E-11	1.34E-04	1.91E-08	4.08E-07	9.97E-05	7.75E-07	1.32E-04	1.08E-09
HHR79	8.11E-11	2.77E-04	2.84E-08	6.43E-07	1.79E-04	8.50E-07	3.54E-04	1.22E-09
HHR80	7.56E-11	2.04E-04	2.37E-08	4.11E-07	1.63E-04	9.81E-07	1.55E-04	1.21E-09
HHR81	7.98E-11	1.65E-04	2.14E-08	3.43E-07	1.17E-04	8.36E-07	1.52E-04	1.20E-09
HHR82	7.81E-11	1.62E-04	2.01E-08	3.13E-07	1.15E-04	8.25E-07	1.29E-04	1.15E-09
HHR83	7.69E-11	1.58E-04	2.02E-08	3.22E-07	1.12E-04	8.06E-07	1.39E-04	1.14E-09
MPOI	2.21E-09	1.88E-02	1.07E-06	1.02E-05	1.78E-02	1.03E-04	2.40E-03	2.83E-06

Table M2-2: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	2.35E-09	2.37E-09	2.34E-09	1.12E-07	5.78E-04	4.13E-08	4.87E-08
HHR2	2.39E-09	2.40E-09	2.37E-09	1.13E-07	1.08E-03	4.15E-08	4.58E-08
HHR3	1.44E-09	1.48E-09	1.43E-09	2.34E-08	6.49E-05	2.70E-08	6.16E-09
HHR4	1.61E-09	1.64E-09	1.60E-09	2.01E-07	6.37E-04	5.49E-08	7.72E-08
HHR5	8.85E-10	8.98E-10	8.58E-10	1.13E-07	2.13E-04	6.05E-08	2.49E-08
HHR6	1.20E-09	1.23E-09	1.19E-09	4.45E-08	3.20E-04	3.03E-08	2.09E-08
HHR7	8.10E-10	8.09E-10	7.81E-10	8.72E-09	1.53E-05	9.61E-09	2.70E-09
HHR8	1.04E-09	1.06E-09	1.03E-09	1.54E-07	5.22E-04	3.75E-08	9.42E-08
HHR9	1.16E-09	1.18E-09	1.15E-09	1.33E-07	5.12E-04	4.11E-08	7.00E-08
HHR10	8.13E-10	8.12E-10	7.62E-10	4.55E-08	8.00E-05	2.73E-08	1.13E-08
HHR11	1.10E-09	1.15E-09	1.09E-09	1.14E-07	8.67E-04	3.34E-08	6.46E-08
HHR12	1.10E-09	1.14E-09	1.10E-09	2.32E-07	7.30E-04	8.24E-08	1.21E-07
HHR13	1.17E-09	1.22E-09	1.16E-09	2.03E-07	1.04E-03	4.48E-08	9.56E-08
HHR14	2.42E-09	2.44E-09	2.40E-09	9.84E-08	4.47E-04	4.68E-08	3.41E-08
HHR15	5.94E-10	6.08E-10	5.81E-10	1.48E-08	1.83E-05	1.94E-08	2.10E-09
HHR16	6.71E-10	7.03E-10	6.63E-10	4.81E-08	3.18E-04	1.85E-08	2.77E-08
HHR17	6.68E-10	6.85E-10	6.59E-10	2.27E-08	1.45E-04	1.69E-08	9.87E-09
HHR18	8.33E-10	8.70E-10	8.24E-10	1.48E-07	2.09E-03	3.36E-08	1.22E-07
HHR19	8.59E-10	8.84E-10	8.49E-10	1.56E-07	2.10E-03	3.99E-08	1.21E-07
HHR20	8.67E-10	9.04E-10	8.57E-10	1.78E-07	2.54E-03	4.04E-08	1.46E-07
HHR21	1.15E-09	1.20E-09	1.14E-09	1.55E-07	9.39E-04	3.89E-08	7.87E-08
HHR22	1.74E-09	1.78E-09	1.73E-09	8.28E-08	6.35E-04	3.39E-08	4.21E-08
HHR23	1.17E-09	1.21E-09	1.17E-09	2.50E-07	6.73E-04	1.14E-07	1.07E-07
HHR24	1.13E-09	1.17E-09	1.13E-09	2.42E-07	6.67E-04	1.02E-07	1.11E-07
HHR25	1.62E-09	1.65E-09	1.61E-09	4.70E-08	2.43E-04	3.58E-08	1.74E-08
HHR26	1.13E-09	1.16E-09	1.12E-09	3.01E-08	8.56E-05	3.29E-08	7.49E-09
HHR27	1.14E-09	1.16E-09	1.12E-09	2.50E-08	4.67E-05	3.06E-08	4.71E-09
HHR28	5.30E-10	5.17E-10	4.49E-10	1.66E-08	3.45E-05	1.22E-08	4.15E-09
HHR29	6.78E-10	6.98E-10	6.67E-10	2.97E-07	5.22E-04	5.61E-08	1.78E-07
HHR30	1.12E-09	1.13E-09	1.09E-09	4.90E-08	1.55E-04	2.61E-08	1.38E-08
HHR31	7.60E-10	7.82E-10	7.46E-10	7.66E-07	9.89E-04	1.39E-07	6.24E-07
HHR32	7.32E-10	7.65E-10	7.20E-10	6.04E-07	1.10E-03	9.78E-08	3.55E-07
HHR33	8.26E-10	8.55E-10	8.15E-10	4.69E-07	8.92E-04	7.77E-08	3.44E-07

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	6.64E-10	6.97E-10	6.56E-10	4.70E-08	2.86E-04	1.82E-08	2.67E-08
HHR35	7.63E-10	8.04E-10	7.50E-10	5.32E-07	1.10E-03	8.63E-08	2.90E-07
HHR36	1.01E-09	1.04E-09	9.98E-10	2.78E-07	9.84E-04	6.70E-08	1.74E-07
HHR37	1.14E-09	1.15E-09	1.11E-09	7.37E-08	2.21E-04	3.75E-08	1.86E-08
HHR38	7.86E-10	8.30E-10	7.73E-10	1.85E-07	9.10E-04	4.20E-08	1.07E-07
HHR39	7.61E-10	7.80E-10	7.51E-10	2.37E-08	1.56E-04	1.89E-08	1.01E-08
HHR40	6.89E-10	7.07E-10	6.80E-10	2.19E-08	1.37E-04	1.73E-08	9.34E-09
HHR41	6.80E-10	6.99E-10	6.72E-10	2.71E-08	1.96E-04	1.82E-08	1.20E-08
HHR42	7.16E-10	7.50E-10	7.07E-10	5.12E-08	3.56E-04	1.95E-08	2.98E-08
HHR43	1.86E-09	1.89E-09	1.85E-09	1.69E-07	6.28E-04	4.89E-08	6.89E-08
HHR44	1.71E-09	1.74E-09	1.70E-09	2.59E-07	8.13E-04	6.11E-08	9.89E-08
HHR45	4.70E-10	4.63E-10	4.11E-10	1.31E-08	2.95E-05	1.06E-08	3.43E-09
HHR46	8.39E-10	8.26E-10	7.34E-10	3.37E-08	5.36E-05	2.00E-08	6.13E-09
HHR47	7.66E-10	7.62E-10	6.85E-10	3.98E-08	6.19E-05	2.20E-08	7.20E-09
HHR48	6.93E-10	7.11E-10	6.85E-10	2.06E-08	1.23E-04	1.72E-08	8.57E-09
HHR49	8.99E-10	8.77E-10	7.72E-10	2.98E-08	4.99E-05	1.90E-08	5.73E-09
HHR50	7.28E-10	7.29E-10	6.65E-10	4.25E-08	6.60E-05	2.32E-08	7.73E-09
HHR51	8.61E-10	8.44E-10	7.49E-10	2.51E-08	4.51E-05	1.82E-08	5.13E-09
HHR52	6.69E-10	6.73E-10	6.35E-10	8.88E-08	8.83E-05	3.47E-08	3.14E-08
HHR53	8.60E-10	8.64E-10	7.87E-10	5.00E-08	6.80E-05	2.58E-08	7.16E-09
HHR54	6.81E-10	6.86E-10	6.49E-10	9.25E-08	9.53E-05	3.64E-08	3.10E-08
HHR55	7.06E-10	7.08E-10	6.55E-10	4.46E-08	6.91E-05	2.41E-08	8.98E-09
HHR56	7.33E-10	7.42E-10	6.96E-10	8.56E-08	1.23E-04	3.56E-08	1.48E-08
HHR57	7.28E-10	7.39E-10	7.03E-10	7.68E-08	1.59E-04	4.02E-08	1.64E-08
HHR58	8.24E-10	8.38E-10	7.94E-10	1.89E-08	3.74E-05	2.25E-08	3.82E-09
HHR59	8.42E-10	8.57E-10	8.13E-10	2.05E-08	3.74E-05	2.46E-08	3.80E-09
HHR60	9.57E-10	9.75E-10	9.28E-10	2.49E-08	4.50E-05	2.92E-08	4.44E-09
HHR61	9.53E-10	9.72E-10	9.29E-10	1.06E-07	2.53E-04	6.85E-08	1.76E-08
HHR62	1.12E-09	1.14E-09	1.10E-09	2.06E-07	3.73E-04	1.01E-07	1.89E-08
HHR63	1.87E-09	1.89E-09	1.85E-09	1.07E-07	3.92E-04	4.78E-08	2.86E-08
HHR64	8.02E-10	8.22E-10	7.92E-10	4.78E-08	3.74E-04	2.71E-08	2.02E-08
HHR65	2.18E-09	2.21E-09	2.17E-09	1.03E-07	5.06E-04	4.05E-08	4.02E-08
HHR66	1.12E-09	1.14E-09	1.10E-09	2.62E-08	4.98E-05	3.18E-08	4.89E-09
HHR67	1.26E-09	1.28E-09	1.24E-09	3.13E-08	7.91E-05	3.60E-08	7.13E-09

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	1.44E-09	1.47E-09	1.43E-09	4.03E-08	1.70E-04	3.67E-08	1.35E-08
HHR69	6.58E-10	6.75E-10	6.50E-10	1.77E-08	9.47E-05	1.62E-08	7.00E-09
HHR70	7.17E-10	7.36E-10	7.09E-10	2.10E-08	1.27E-04	1.78E-08	8.65E-09
HHR71	8.08E-10	8.41E-10	7.98E-10	2.24E-07	2.53E-03	6.98E-08	1.36E-07
HHR72	7.28E-10	7.46E-10	7.16E-10	1.59E-08	2.64E-05	2.04E-08	2.81E-09
HHR73	1.70E-09	1.73E-09	1.68E-09	7.33E-08	4.12E-04	3.15E-08	3.20E-08
HHR74	8.60E-10	8.98E-10	8.50E-10	1.63E-07	2.33E-03	3.58E-08	1.36E-07
HHR75	1.16E-09	1.20E-09	1.15E-09	1.74E-07	7.50E-04	5.48E-08	1.00E-07
HHR76	1.50E-09	1.56E-09	1.48E-09	1.71E-07	2.04E-03	4.67E-08	1.29E-07
HHR77	1.13E-09	1.18E-09	1.12E-09	1.50E-07	8.30E-04	3.84E-08	7.20E-08
HHR78	8.43E-10	8.64E-10	8.32E-10	7.77E-08	7.45E-04	3.32E-08	4.22E-08
HHR79	9.09E-10	9.51E-10	8.98E-10	1.41E-07	1.91E-03	3.50E-08	1.12E-07
HHR80	8.12E-10	8.50E-10	8.01E-10	9.09E-08	4.31E-04	2.68E-08	4.92E-08
HHR81	8.94E-10	9.34E-10	8.84E-10	7.58E-08	7.13E-04	2.53E-08	4.82E-08
HHR82	8.53E-10	8.92E-10	8.44E-10	6.88E-08	5.37E-04	2.39E-08	4.09E-08
HHR83	8.45E-10	8.83E-10	8.36E-10	7.08E-08	6.29E-04	2.40E-08	4.41E-08
MPOI	1.67E-08	1.68E-08	1.67E-08	1.47E-06	6.08E-03	7.40E-07	7.57E-07

Table M2-2: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	4.05E-08	1.81E-07	2.42E-09	5.78E-04	9.33E-07	1.21E-10	4.38E-04	8.85E-03	7.69E-04
HHR2	4.88E-08	2.09E-07	2.44E-09	1.06E-03	8.67E-07	1.12E-10	4.13E-04	1.92E-02	1.86E-03
HHR3	5.23E-08	1.12E-07	1.57E-09	1.38E-05	9.65E-08	1.87E-10	6.45E-05	1.01E-03	9.83E-05
HHR4	4.11E-08	2.61E-07	1.69E-09	3.26E-04	1.52E-06	1.31E-10	6.98E-04	7.84E-03	4.07E-04
HHR5	3.27E-08	1.93E-07	9.11E-10	5.60E-04	4.47E-07	1.59E-10	2.40E-04	3.54E-03	3.23E-04
HHR6	4.58E-08	1.19E-07	1.31E-09	2.95E-05	3.93E-07	1.37E-10	1.94E-04	3.31E-03	5.17E-05
HHR7	1.24E-08	3.13E-08	7.92E-10	7.01E-06	3.63E-08	4.74E-11	2.32E-05	1.74E-04	7.32E-06
HHR8	3.15E-08	2.07E-07	1.12E-09	2.53E-04	1.86E-06	1.02E-10	8.50E-04	5.81E-03	2.82E-04
HHR9	3.21E-08	1.89E-07	1.23E-09	3.16E-04	1.37E-06	1.03E-10	6.33E-04	6.04E-03	3.68E-04
HHR10	1.28E-07	2.75E-07	8.99E-10	6.11E-05	1.98E-07	8.85E-11	1.38E-04	1.07E-03	5.23E-05
HHR11	4.12E-08	1.70E-07	1.32E-09	5.52E-05	1.27E-06	1.34E-10	5.87E-04	9.36E-03	7.61E-05
HHR12	4.10E-08	2.94E-07	1.22E-09	2.11E-04	2.40E-06	1.27E-10	1.09E-03	7.63E-03	2.55E-04
HHR13	4.44E-08	2.58E-07	1.40E-09	6.53E-05	1.89E-06	1.38E-10	8.65E-04	1.13E-02	8.31E-05
HHR14	5.42E-08	1.82E-07	2.48E-09	6.43E-04	6.33E-07	1.44E-10	3.06E-04	7.80E-03	6.79E-04
HHR15	2.47E-08	5.59E-08	6.43E-10	5.61E-06	3.08E-08	9.74E-11	2.52E-05	2.04E-04	8.40E-06
HHR16	2.70E-08	8.99E-08	8.06E-10	4.04E-05	5.41E-07	9.78E-11	2.55E-04	3.24E-03	5.27E-05
HHR17	3.15E-08	7.74E-08	7.33E-10	1.54E-05	1.82E-07	1.16E-10	9.37E-05	1.35E-03	2.67E-05
HHR18	3.52E-08	1.96E-07	9.88E-10	5.54E-05	2.43E-06	1.14E-10	1.10E-03	2.35E-02	6.85E-05
HHR19	3.85E-08	2.23E-07	9.77E-10	5.22E-05	2.40E-06	1.22E-10	1.09E-03	2.35E-02	6.61E-05
HHR20	3.84E-08	2.36E-07	1.02E-09	5.86E-05	2.91E-06	1.20E-10	1.32E-03	2.86E-02	7.09E-05
HHR21	4.32E-08	2.11E-07	1.38E-09	6.06E-05	1.55E-06	1.38E-10	7.13E-04	1.02E-02	8.10E-05
HHR22	4.64E-08	1.49E-07	1.90E-09	1.16E-04	8.10E-07	1.43E-10	3.86E-04	5.81E-03	1.63E-04
HHR23	4.36E-08	3.13E-07	1.28E-09	2.43E-04	2.12E-06	1.27E-10	9.68E-04	7.65E-03	2.89E-04
HHR24	4.26E-08	3.09E-07	1.24E-09	2.34E-04	2.18E-06	1.24E-10	9.96E-04	7.32E-03	2.79E-04
HHR25	4.46E-08	1.18E-07	1.72E-09	6.24E-05	3.20E-07	1.37E-10	1.61E-04	2.22E-03	6.52E-05
HHR26	4.87E-08	1.14E-07	1.22E-09	1.88E-05	1.27E-07	1.79E-10	7.85E-05	9.16E-04	2.84E-05
HHR27	4.34E-08	9.75E-08	1.23E-09	1.30E-05	7.49E-08	1.68E-10	5.32E-05	5.31E-04	2.41E-05
HHR28	2.00E-08	5.07E-08	4.47E-10	1.69E-05	7.11E-08	7.56E-11	4.24E-05	3.95E-04	1.73E-05
HHR29	3.49E-08	3.61E-07	7.57E-10	1.92E-04	3.55E-06	1.18E-10	1.60E-03	7.20E-03	1.39E-04
HHR30	2.97E-08	9.41E-08	1.14E-09	1.60E-04	2.58E-07	1.06E-10	1.32E-04	2.01E-03	1.33E-04
HHR31	5.60E-08	9.12E-07	8.42E-10	5.79E-04	1.24E-05	1.52E-10	5.60E-03	1.89E-02	4.05E-04
HHR32	5.11E-08	6.67E-07	8.73E-10	2.54E-04	7.07E-06	1.51E-10	3.18E-03	1.38E-02	1.85E-04
HHR33	3.68E-08	5.11E-07	9.46E-10	2.34E-04	6.87E-06	1.02E-10	3.09E-03	8.87E-03	2.24E-04

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	2.65E-08	8.88E-08	8.01E-10	4.10E-05	5.20E-07	9.64E-11	2.46E-04	2.86E-03	5.29E-05
HHR35	4.87E-08	5.87E-07	9.42E-10	1.84E-04	5.77E-06	1.48E-10	2.60E-03	1.26E-02	1.50E-04
HHR36	3.74E-08	3.39E-07	1.12E-09	2.15E-04	3.45E-06	1.14E-10	1.56E-03	8.14E-03	2.81E-04
HHR37	3.16E-08	1.20E-07	1.16E-09	3.83E-04	3.53E-07	1.18E-10	1.78E-04	3.36E-03	2.54E-04
HHR38	4.13E-08	2.50E-07	9.77E-10	1.33E-04	2.13E-06	1.52E-10	9.73E-04	5.96E-03	2.38E-04
HHR39	3.43E-08	8.40E-08	8.34E-10	1.65E-05	1.84E-07	1.24E-10	9.60E-05	1.42E-03	2.88E-05
HHR40	3.14E-08	7.68E-08	7.56E-10	1.52E-05	1.71E-07	1.14E-10	8.90E-05	1.26E-03	2.62E-05
HHR41	3.60E-08	9.01E-08	7.47E-10	1.78E-05	2.25E-07	1.35E-10	1.14E-04	1.75E-03	3.25E-05
HHR42	2.86E-08	9.44E-08	8.57E-10	4.20E-05	5.82E-07	1.04E-10	2.74E-04	3.64E-03	5.56E-05
HHR43	4.35E-08	2.33E-07	1.95E-09	3.16E-04	1.35E-06	1.36E-10	6.24E-04	7.69E-03	3.93E-04
HHR44	4.49E-08	3.19E-07	1.81E-09	2.62E-04	1.95E-06	1.36E-10	8.93E-04	9.54E-03	3.18E-04
HHR45	1.73E-08	4.22E-08	4.20E-10	1.34E-05	5.79E-08	6.88E-11	3.46E-05	3.33E-04	1.38E-05
HHR46	3.34E-08	8.88E-08	7.42E-10	3.59E-05	1.03E-07	1.42E-10	6.53E-05	6.23E-04	3.22E-05
HHR47	3.84E-08	1.07E-07	7.11E-10	4.51E-05	1.25E-07	1.69E-10	7.88E-05	7.37E-04	4.19E-05
HHR48	3.02E-08	7.32E-08	7.61E-10	1.47E-05	1.56E-07	1.07E-10	8.19E-05	1.15E-03	2.51E-05
HHR49	3.31E-08	8.62E-08	7.80E-10	3.18E-05	9.36E-08	1.41E-10	6.05E-05	5.75E-04	2.82E-05
HHR50	4.00E-08	1.15E-07	7.05E-10	4.99E-05	1.36E-07	1.66E-10	8.52E-05	7.84E-04	4.51E-05
HHR51	3.27E-08	8.02E-08	7.46E-10	2.67E-05	8.31E-08	1.46E-10	5.44E-05	5.17E-04	2.39E-05
HHR52	4.84E-08	1.99E-07	6.88E-10	7.51E-05	5.85E-07	8.35E-11	2.95E-04	1.08E-03	5.76E-05
HHR53	4.56E-08	1.20E-07	8.28E-10	5.48E-05	1.24E-07	2.53E-10	8.14E-05	8.25E-04	5.29E-05
HHR54	3.97E-08	1.88E-07	6.96E-10	8.70E-05	5.76E-07	9.14E-11	2.89E-04	1.16E-03	6.51E-05
HHR55	4.37E-08	1.26E-07	7.06E-10	5.15E-05	1.58E-07	1.28E-10	9.64E-05	8.00E-04	4.30E-05
HHR56	3.58E-08	1.49E-07	7.46E-10	1.41E-04	2.73E-07	1.45E-10	1.50E-04	1.37E-03	9.66E-05
HHR57	3.02E-08	1.32E-07	7.53E-10	2.56E-04	3.04E-07	1.39E-10	1.64E-04	2.03E-03	1.60E-04
HHR58	3.70E-08	8.41E-08	8.55E-10	1.62E-05	6.19E-08	1.69E-10	4.18E-05	4.21E-04	1.67E-05
HHR59	3.74E-08	8.59E-08	8.77E-10	1.58E-05	6.16E-08	1.68E-10	4.15E-05	4.19E-04	1.64E-05
HHR60	4.38E-08	1.01E-07	1.00E-09	1.97E-05	7.35E-08	1.95E-10	4.85E-05	5.02E-04	1.98E-05
HHR61	3.52E-08	1.54E-07	9.88E-10	1.04E-03	3.32E-07	3.02E-10	1.83E-04	4.94E-03	4.88E-04
HHR62	4.02E-08	2.43E-07	1.18E-09	1.92E-03	3.57E-07	1.95E-10	2.06E-04	7.49E-03	7.45E-04
HHR63	4.82E-08	1.79E-07	1.94E-09	7.90E-04	5.32E-07	1.54E-10	2.64E-04	6.69E-03	5.93E-04
HHR64	4.01E-08	1.25E-07	8.79E-10	2.51E-05	3.84E-07	1.40E-10	1.88E-04	3.39E-03	4.98E-05
HHR65	4.96E-08	1.79E-07	2.27E-09	5.05E-04	7.72E-07	1.47E-10	3.67E-04	7.09E-03	5.75E-04
HHR66	4.36E-08	9.88E-08	1.20E-09	1.38E-05	7.91E-08	1.69E-10	5.51E-05	5.56E-04	2.31E-05
HHR67	4.92E-08	1.13E-07	1.34E-09	2.00E-05	1.20E-07	1.83E-10	7.49E-05	8.56E-04	2.74E-05

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	4.51E-08	1.14E-07	1.55E-09	4.37E-05	2.41E-07	1.46E-10	1.26E-04	1.72E-03	4.77E-05
HHR69	2.78E-08	6.59E-08	7.26E-10	1.31E-05	1.25E-07	9.58E-11	6.78E-05	9.15E-04	2.22E-05
HHR70	3.08E-08	7.47E-08	7.88E-10	1.51E-05	1.57E-07	1.08E-10	8.27E-05	1.20E-03	2.59E-05
HHR71	4.69E-08	3.77E-07	9.41E-10	6.61E-05	2.67E-06	1.48E-10	1.22E-03	2.63E-02	1.33E-04
HHR72	2.75E-08	6.20E-08	7.95E-10	7.17E-06	4.32E-08	9.96E-11	3.14E-05	2.94E-04	1.29E-05
HHR73	4.59E-08	1.37E-07	1.83E-09	1.14E-04	6.11E-07	1.43E-10	2.94E-04	4.17E-03	1.29E-04
HHR74	3.66E-08	2.12E-07	1.02E-09	5.76E-05	2.69E-06	1.17E-10	1.22E-03	2.63E-02	7.04E-05
HHR75	4.36E-08	2.36E-07	1.29E-09	1.73E-04	1.98E-06	1.65E-10	9.07E-04	7.98E-03	2.13E-04
HHR76	5.34E-08	2.40E-07	1.73E-09	1.10E-04	2.54E-06	1.79E-10	1.16E-03	1.82E-02	1.85E-03
HHR77	4.19E-08	2.04E-07	1.34E-09	5.89E-05	1.42E-06	1.32E-10	6.53E-04	8.96E-03	7.45E-05
HHR78	4.08E-08	1.63E-07	9.24E-10	3.14E-05	8.22E-07	1.37E-10	3.85E-04	7.72E-03	5.44E-05
HHR79	3.81E-08	1.96E-07	1.08E-09	5.40E-05	2.22E-06	1.22E-10	1.01E-03	2.15E-02	6.96E-05
HHR80	3.26E-08	1.37E-07	9.69E-10	7.49E-05	9.68E-07	1.17E-10	4.48E-04	3.72E-03	1.07E-04
HHR81	3.42E-08	1.21E-07	1.06E-09	5.22E-05	9.48E-07	1.20E-10	4.39E-04	7.67E-03	7.35E-05
HHR82	3.31E-08	1.12E-07	1.01E-09	5.43E-05	8.03E-07	1.20E-10	3.74E-04	5.59E-03	7.41E-05
HHR83	3.28E-08	1.14E-07	1.00E-09	5.07E-05	8.65E-07	1.17E-10	4.01E-04	6.70E-03	7.01E-05
MPOI	8.92E-07	3.41E-06	1.69E-08	2.65E-02	1.51E-05	5.56E-09	6.79E-03	1.97E-01	2.07E-02

Table M2-2: *(cont'd)*

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	2.43E-09	4.10E-07	8.12E-08	1.21E-08	3.87E-05	1.08E-07	1.73E-06	6.22E-06	1.35E-06
HHR2	2.46E-09	4.36E-07	1.16E-07	9.88E-09	4.82E-05	1.18E-07	1.60E-06	5.76E-06	1.25E-06
HHR3	1.59E-09	4.74E-08	1.06E-07	1.22E-08	2.67E-06	1.19E-07	1.81E-07	9.60E-06	1.39E-07
HHR4	1.71E-09	7.68E-07	8.74E-08	9.41E-09	3.46E-05	1.18E-07	2.81E-06	6.70E-06	2.20E-06
HHR5	9.42E-10	4.10E-07	2.50E-07	2.53E-08	1.45E-05	1.16E-07	8.17E-07	8.18E-06	6.34E-07
HHR6	1.32E-09	1.51E-07	9.29E-08	1.10E-08	8.06E-06	1.10E-07	7.29E-07	7.06E-06	5.69E-07
HHR7	8.24E-10	2.51E-08	7.12E-08	4.34E-09	1.24E-06	3.21E-08	6.79E-08	2.43E-06	5.16E-08
HHR8	1.13E-09	5.94E-07	6.80E-08	7.07E-09	3.56E-05	8.41E-08	3.45E-06	5.22E-06	2.70E-06
HHR9	1.25E-09	5.10E-07	6.86E-08	7.70E-09	3.25E-05	9.05E-08	2.54E-06	5.30E-06	1.99E-06
HHR10	8.43E-10	1.62E-07	1.75E-07	8.15E-09	5.12E-06	2.48E-07	3.67E-07	4.54E-06	2.81E-07
HHR11	1.33E-09	4.30E-07	6.98E-08	6.17E-09	2.26E-05	9.86E-08	2.35E-06	6.87E-06	1.84E-06
HHR12	1.24E-09	9.00E-07	7.92E-08	7.46E-09	4.23E-05	1.59E-07	4.43E-06	6.50E-06	3.47E-06
HHR13	1.42E-09	7.74E-07	7.79E-08	6.47E-09	3.15E-05	1.07E-07	3.50E-06	7.08E-06	2.74E-06
HHR14	2.50E-09	3.26E-07	9.81E-08	1.98E-08	2.91E-05	1.36E-07	1.17E-06	7.38E-06	9.15E-07
HHR15	6.58E-10	1.79E-08	8.82E-08	1.07E-08	9.37E-07	6.51E-08	5.86E-08	5.00E-06	4.41E-08
HHR16	8.17E-10	1.78E-07	4.20E-08	3.78E-09	1.03E-05	6.23E-08	1.00E-06	5.02E-06	7.84E-07
HHR17	7.44E-10	7.75E-08	4.80E-08	5.46E-09	3.82E-06	7.12E-08	3.38E-07	5.96E-06	2.63E-07
HHR18	1.00E-09	5.73E-07	5.83E-08	4.63E-09	4.25E-05	8.35E-08	4.50E-06	5.86E-06	3.53E-06
HHR19	9.90E-10	6.14E-07	7.13E-08	6.33E-09	4.22E-05	9.47E-08	4.44E-06	6.23E-06	3.48E-06
HHR20	1.04E-09	6.95E-07	6.98E-08	5.63E-09	5.08E-05	9.30E-08	5.38E-06	6.17E-06	4.22E-06
HHR21	1.39E-09	5.87E-07	7.39E-08	6.38E-09	2.67E-05	1.04E-07	2.87E-06	7.06E-06	2.25E-06
HHR22	1.92E-09	2.99E-07	8.20E-08	8.15E-09	1.70E-05	1.12E-07	1.50E-06	7.34E-06	1.17E-06
HHR23	1.30E-09	9.71E-07	8.30E-08	7.83E-09	3.96E-05	2.05E-07	3.93E-06	6.53E-06	3.08E-06
HHR24	1.26E-09	9.46E-07	8.21E-08	7.70E-09	3.99E-05	1.87E-07	4.03E-06	6.37E-06	3.16E-06
HHR25	1.74E-09	1.51E-07	1.02E-07	1.59E-08	8.77E-06	1.16E-07	5.93E-07	7.05E-06	4.63E-07
HHR26	1.25E-09	6.35E-08	1.36E-07	1.64E-08	3.20E-06	1.20E-07	2.38E-07	9.20E-06	1.83E-07
HHR27	1.25E-09	4.10E-08	1.15E-07	1.63E-08	2.10E-06	1.10E-07	1.41E-07	8.63E-06	1.07E-07
HHR28	5.37E-10	5.42E-08	6.99E-08	5.03E-09	1.96E-06	4.75E-08	1.34E-07	3.88E-06	1.02E-07
HHR29	7.70E-10	1.18E-06	7.03E-08	4.84E-09	5.46E-05	9.20E-08	6.58E-06	6.05E-06	5.15E-06
HHR30	1.17E-09	1.55E-07	9.53E-08	1.12E-08	8.08E-06	7.63E-08	4.78E-07	5.44E-06	3.72E-07
HHR31	8.59E-10	3.11E-06	1.32E-07	5.18E-09	1.76E-04	1.74E-07	2.31E-05	7.79E-06	1.81E-05
HHR32	8.88E-10	2.36E-06	9.88E-08	5.20E-09	1.02E-04	1.30E-07	1.31E-05	7.73E-06	1.03E-05
HHR33	9.60E-10	1.82E-06	8.48E-08	6.01E-09	9.58E-05	1.03E-07	1.27E-05	5.21E-06	9.95E-06

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	8.12E-10	1.73E-07	4.16E-08	3.74E-09	9.91E-06	6.12E-08	9.65E-07	4.94E-06	7.54E-07
HHR35	9.56E-10	2.07E-06	8.96E-08	5.27E-09	8.38E-05	1.20E-07	1.07E-05	7.60E-06	8.36E-06
HHR36	1.14E-09	1.09E-06	7.79E-08	7.07E-09	5.45E-05	1.16E-07	6.37E-06	5.83E-06	4.99E-06
HHR37	1.19E-09	2.32E-07	1.61E-07	1.71E-08	1.21E-05	8.91E-08	6.54E-07	6.06E-06	5.10E-07
HHR38	9.90E-10	7.18E-07	6.54E-08	5.24E-09	3.43E-05	9.55E-08	3.94E-06	7.82E-06	3.08E-06
HHR39	8.46E-10	7.86E-08	5.55E-08	6.27E-09	3.94E-06	7.80E-08	3.43E-07	6.38E-06	2.66E-07
HHR40	7.67E-10	7.28E-08	4.99E-08	5.79E-09	3.65E-06	7.15E-08	3.18E-07	5.86E-06	2.47E-07
HHR41	7.59E-10	9.72E-08	4.95E-08	5.34E-09	4.61E-06	7.98E-08	4.17E-07	6.94E-06	3.25E-07
HHR42	8.68E-10	1.89E-07	4.43E-08	3.94E-09	1.11E-05	6.63E-08	1.08E-06	5.33E-06	8.44E-07
HHR43	1.97E-09	6.39E-07	9.02E-08	9.40E-09	3.19E-05	1.19E-07	2.50E-06	7.00E-06	1.96E-06
HHR44	1.83E-09	9.85E-07	9.27E-08	8.45E-09	3.84E-05	1.30E-07	3.61E-06	7.00E-06	2.83E-06
HHR45	4.86E-10	4.05E-08	6.60E-08	4.39E-09	1.62E-06	4.09E-08	1.09E-07	3.53E-06	8.33E-08
HHR46	8.59E-10	1.15E-07	1.66E-07	7.34E-09	3.51E-06	7.77E-08	1.96E-07	7.31E-06	1.48E-07
HHR47	7.97E-10	1.42E-07	1.59E-07	7.87E-09	4.28E-06	8.81E-08	2.35E-07	8.64E-06	1.79E-07
HHR48	7.72E-10	6.62E-08	5.11E-08	6.01E-09	3.38E-06	6.94E-08	2.90E-07	5.50E-06	2.25E-07
HHR49	9.00E-10	9.98E-08	1.89E-07	6.62E-09	3.21E-06	7.59E-08	1.79E-07	7.22E-06	1.35E-07
HHR50	7.67E-10	1.53E-07	1.64E-07	8.45E-09	4.66E-06	9.17E-08	2.54E-07	8.50E-06	1.94E-07
HHR51	8.68E-10	7.99E-08	2.10E-07	6.43E-09	2.79E-06	7.46E-08	1.59E-07	7.47E-06	1.20E-07
HHR52	7.05E-10	3.65E-07	1.92E-07	9.23E-09	1.01E-05	1.15E-07	1.07E-06	4.29E-06	8.37E-07
HHR53	9.10E-10	1.76E-07	2.25E-07	8.40E-09	4.96E-06	1.03E-07	2.33E-07	1.30E-05	1.78E-07
HHR54	7.19E-10	3.79E-07	2.31E-07	1.01E-08	1.02E-05	1.01E-07	1.06E-06	4.69E-06	8.23E-07
HHR55	7.45E-10	1.63E-07	1.56E-07	8.91E-09	4.90E-06	9.85E-08	2.94E-07	6.58E-06	2.26E-07
HHR56	7.84E-10	3.17E-07	3.55E-07	1.32E-08	9.77E-06	9.81E-08	5.06E-07	7.45E-06	3.92E-07
HHR57	7.80E-10	2.79E-07	2.26E-07	1.88E-08	1.15E-05	9.72E-08	5.60E-07	7.11E-06	4.35E-07
HHR58	8.91E-10	4.34E-08	2.04E-07	1.05E-08	1.91E-06	8.85E-08	1.17E-07	8.67E-06	8.89E-08
HHR59	9.12E-10	4.25E-08	2.12E-07	1.20E-08	1.88E-06	9.21E-08	1.16E-07	8.63E-06	8.86E-08
HHR60	1.04E-09	5.19E-08	2.36E-07	1.45E-08	2.24E-06	1.08E-07	1.38E-07	1.00E-05	1.06E-07
HHR61	1.02E-09	3.55E-07	1.39E-07	4.12E-08	1.82E-05	1.44E-07	6.14E-07	1.55E-05	4.78E-07
HHR62	1.20E-09	6.12E-07	1.39E-07	5.90E-08	3.33E-05	1.79E-07	6.61E-07	1.00E-05	5.15E-07
HHR63	1.96E-09	3.56E-07	1.04E-07	2.13E-08	2.65E-05	1.30E-07	9.84E-07	7.93E-06	7.69E-07
HHR64	8.92E-10	1.95E-07	6.48E-08	7.05E-09	7.51E-06	9.56E-08	7.11E-07	7.18E-06	5.55E-07
HHR65	2.29E-09	3.61E-07	9.74E-08	1.31E-08	3.05E-05	1.23E-07	1.43E-06	7.57E-06	1.12E-06
HHR66	1.22E-09	4.35E-08	1.21E-07	1.71E-08	2.16E-06	1.12E-07	1.49E-07	8.69E-06	1.14E-07
HHR67	1.36E-09	6.32E-08	1.49E-07	1.88E-08	3.14E-06	1.26E-07	2.25E-07	9.39E-06	1.73E-07

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	1.57E-09	1.16E-07	1.16E-07	1.74E-08	6.30E-06	1.19E-07	4.47E-07	7.50E-06	3.48E-07
HHR69	7.36E-10	5.39E-08	5.04E-08	6.04E-09	2.81E-06	6.44E-08	2.34E-07	4.92E-06	1.81E-07
HHR70	7.99E-10	6.69E-08	5.34E-08	6.29E-09	3.43E-06	7.11E-08	2.92E-07	5.55E-06	2.27E-07
HHR71	9.54E-10	9.92E-07	9.16E-08	4.74E-09	4.70E-05	1.37E-07	4.95E-06	7.58E-06	3.88E-06
HHR72	8.10E-10	2.28E-08	8.19E-08	1.08E-08	1.25E-06	7.06E-08	8.17E-08	5.12E-06	6.20E-08
HHR73	1.85E-09	2.59E-07	8.69E-08	8.89E-09	1.38E-05	1.09E-07	1.13E-06	7.33E-06	8.85E-07
HHR74	1.03E-09	6.32E-07	6.13E-08	4.77E-09	4.70E-05	8.70E-08	4.98E-06	6.01E-06	3.91E-06
HHR75	1.31E-09	6.59E-07	7.55E-08	6.94E-09	3.73E-05	1.31E-07	3.66E-06	8.48E-06	2.87E-06
HHR76	1.75E-09	6.46E-07	7.80E-08	6.54E-09	4.44E-05	1.30E-07	4.72E-06	9.17E-06	3.69E-06
HHR77	1.36E-09	5.70E-07	7.56E-08	6.76E-09	2.46E-05	1.01E-07	2.63E-06	6.78E-06	2.06E-06
HHR78	9.37E-10	3.23E-07	7.15E-08	7.32E-09	1.51E-05	9.93E-08	1.52E-06	7.04E-06	1.19E-06
HHR79	1.10E-09	5.46E-07	6.64E-08	5.50E-09	3.90E-05	9.11E-08	4.10E-06	6.25E-06	3.22E-06
HHR80	9.82E-10	3.43E-07	5.53E-08	5.06E-09	1.72E-05	7.78E-08	1.79E-06	6.02E-06	1.40E-06
HHR81	1.08E-09	2.81E-07	5.29E-08	4.86E-09	1.75E-05	8.06E-08	1.76E-06	6.16E-06	1.38E-06
HHR82	1.02E-09	2.54E-07	5.07E-08	4.61E-09	1.54E-05	7.80E-08	1.49E-06	6.18E-06	1.16E-06
HHR83	1.02E-09	2.62E-07	5.08E-08	4.67E-09	1.62E-05	7.73E-08	1.60E-06	6.02E-06	1.26E-06
MPOI	1.69E-08	8.40E-06	7.83E-07	8.32E-08	6.97E-04	1.59E-06	2.80E-05	2.84E-04	2.19E-05

Table M2-2: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	4.87E-08	1.83E-07	2.80E-09	4.40E-04	2.30E-03	5.51E-08	2.96E-03	1.94E-06
HHR2	7.86E-08	2.14E-07	4.08E-09	9.77E-04	4.49E-03	5.67E-08	5.25E-03	2.08E-06
HHR3	3.36E-08	1.09E-07	2.74E-09	1.44E-05	6.87E-05	6.38E-08	7.44E-05	6.24E-07
HHR4	4.18E-08	3.03E-07	2.59E-09	2.41E-04	1.33E-03	5.62E-08	1.69E-03	3.16E-06
HHR5	2.95E-08	3.04E-07	5.50E-09	8.95E-05	1.92E-03	7.60E-08	2.81E-03	2.47E-06
HHR6	3.64E-08	1.26E-07	2.84E-09	4.76E-05	1.54E-04	5.83E-08	1.71E-04	9.57E-07
HHR7	1.09E-08	7.54E-08	1.04E-09	4.25E-06	3.49E-05	1.81E-08	3.89E-05	2.36E-07
HHR8	2.77E-08	2.34E-07	2.34E-09	2.03E-04	1.06E-03	4.01E-08	1.34E-03	2.46E-06
HHR9	2.95E-08	2.01E-07	2.54E-09	2.34E-04	1.29E-03	4.40E-08	1.67E-03	2.23E-06
HHR10	2.23E-08	1.77E-07	6.41E-09	2.53E-05	2.78E-04	1.07E-07	3.33E-04	1.21E-06
HHR11	3.56E-08	2.02E-07	2.63E-09	8.80E-05	3.21E-04	4.63E-08	3.35E-04	1.85E-06
HHR12	3.16E-08	3.47E-07	2.72E-09	2.24E-04	9.87E-04	6.97E-08	1.15E-03	3.78E-06
HHR13	3.78E-08	3.26E-07	2.69E-09	9.75E-05	3.99E-04	4.82E-08	4.02E-04	3.09E-06
HHR14	8.13E-08	1.61E-07	3.24E-09	3.38E-04	2.38E-03	7.52E-08	3.19E-03	1.83E-06
HHR15	2.10E-08	8.82E-08	1.56E-09	4.27E-06	2.83E-05	3.98E-08	3.10E-05	4.16E-07
HHR16	1.93E-08	9.10E-08	1.65E-09	5.95E-05	2.02E-04	2.90E-08	2.32E-04	8.45E-07
HHR17	2.00E-08	6.13E-08	1.88E-09	3.34E-05	8.15E-05	3.55E-08	8.98E-05	5.03E-07
HHR18	2.61E-08	2.27E-07	2.25E-09	1.10E-04	4.42E-04	3.67E-08	3.93E-04	2.32E-06
HHR19	2.83E-08	2.47E-07	3.41E-09	1.15E-04	4.47E-04	4.33E-08	3.90E-04	2.60E-06
HHR20	2.90E-08	2.76E-07	2.80E-09	1.25E-04	5.11E-04	4.14E-08	4.40E-04	2.84E-06
HHR21	3.72E-08	2.59E-07	2.69E-09	9.34E-05	3.59E-04	4.78E-08	3.70E-04	2.42E-06
HHR22	5.61E-08	1.61E-07	2.77E-09	1.69E-04	4.99E-04	5.43E-08	6.17E-04	1.42E-06
HHR23	3.30E-08	3.67E-07	2.59E-09	2.07E-04	1.07E-03	8.89E-08	1.30E-03	4.15E-06
HHR24	3.21E-08	3.56E-07	2.99E-09	2.13E-04	1.06E-03	8.14E-08	1.27E-03	4.05E-06
HHR25	5.58E-08	1.42E-07	2.61E-09	6.26E-05	2.62E-04	6.70E-08	3.37E-04	9.59E-07
HHR26	4.15E-08	1.44E-07	2.95E-09	1.76E-05	8.94E-05	6.94E-08	1.03E-04	7.72E-07
HHR27	3.57E-08	1.18E-07	2.49E-09	1.08E-05	6.18E-05	6.54E-08	7.09E-05	6.84E-07
HHR28	1.28E-08	7.75E-08	1.37E-09	9.58E-06	7.92E-05	2.51E-08	9.15E-05	3.63E-07
HHR29	2.04E-08	4.27E-07	3.43E-09	1.35E-04	1.02E-03	3.49E-08	1.02E-03	4.61E-06
HHR30	3.20E-08	1.23E-07	1.97E-09	5.88E-05	5.81E-04	4.42E-08	8.03E-04	9.57E-07
HHR31	2.27E-08	1.04E-06	1.10E-08	3.15E-04	3.30E-03	5.29E-08	2.88E-03	1.22E-05
HHR32	2.21E-08	8.52E-07	3.79E-09	1.91E-04	1.47E-03	4.16E-08	1.39E-03	8.93E-06
HHR33	2.30E-08	6.65E-07	2.62E-09	2.61E-04	1.27E-03	3.71E-08	1.32E-03	6.87E-06

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	1.91E-08	8.89E-08	1.61E-09	5.97E-05	2.02E-04	2.85E-08	2.33E-04	8.26E-07
HHR35	2.19E-08	7.55E-07	2.98E-09	1.80E-04	1.08E-03	3.98E-08	1.06E-03	7.82E-06
HHR36	2.79E-08	4.05E-07	3.29E-09	3.60E-04	1.09E-03	4.93E-08	1.22E-03	4.37E-06
HHR37	3.45E-08	2.02E-07	2.58E-09	9.40E-05	1.29E-03	5.57E-08	1.90E-03	1.42E-06
HHR38	2.27E-08	2.82E-07	2.73E-09	4.06E-04	6.92E-04	4.00E-08	7.46E-04	2.91E-06
HHR39	2.21E-08	7.00E-08	2.06E-09	3.59E-05	8.56E-05	3.93E-08	9.52E-05	5.33E-07
HHR40	2.04E-08	6.28E-08	1.87E-09	3.13E-05	7.91E-05	3.61E-08	8.80E-05	4.90E-07
HHR41	2.17E-08	6.60E-08	2.20E-09	4.74E-05	9.71E-05	3.87E-08	1.05E-04	5.96E-07
HHR42	2.05E-08	9.68E-08	1.75E-09	6.29E-05	2.12E-04	3.08E-08	2.43E-04	8.95E-07
HHR43	4.68E-08	2.66E-07	2.65E-09	2.31E-04	1.28E-03	5.71E-08	1.64E-03	2.71E-06
HHR44	4.39E-08	3.90E-07	2.58E-09	1.99E-04	1.11E-03	5.86E-08	1.38E-03	3.97E-06
HHR45	1.22E-08	7.22E-08	1.19E-09	7.87E-06	6.17E-05	2.17E-08	7.25E-05	2.91E-07
HHR46	2.23E-08	1.87E-07	2.54E-09	1.54E-05	1.54E-04	3.94E-08	1.86E-04	6.70E-07
HHR47	2.16E-08	1.81E-07	2.78E-09	1.83E-05	1.95E-04	4.43E-08	2.35E-04	7.86E-07
HHR48	2.02E-08	6.32E-08	1.79E-09	2.78E-05	7.48E-05	3.56E-08	8.41E-05	4.68E-07
HHR49	2.43E-08	2.09E-07	2.65E-09	1.41E-05	1.35E-04	3.76E-08	1.65E-04	6.07E-07
HHR50	2.14E-08	1.88E-07	2.89E-09	1.96E-05	2.16E-04	4.64E-08	2.60E-04	8.42E-07
HHR51	2.49E-08	2.27E-07	2.72E-09	1.24E-05	1.15E-04	3.67E-08	1.39E-04	5.44E-07
HHR52	1.99E-08	2.63E-07	5.19E-09	2.77E-05	3.77E-04	5.15E-08	4.28E-04	1.86E-06
HHR53	2.61E-08	2.59E-07	3.49E-09	1.97E-05	2.34E-04	5.03E-08	2.82E-04	9.33E-07
HHR54	2.05E-08	3.08E-07	5.08E-09	3.03E-05	4.18E-04	4.84E-08	4.89E-04	1.91E-06
HHR55	2.04E-08	1.77E-07	3.08E-09	2.06E-05	2.28E-04	4.96E-08	2.73E-04	9.21E-07
HHR56	2.35E-08	4.23E-07	4.14E-09	3.66E-05	5.67E-04	5.26E-08	7.19E-04	1.53E-06
HHR57	2.43E-08	2.72E-07	3.55E-09	5.45E-05	9.23E-04	6.09E-08	1.29E-03	1.49E-06
HHR58	3.32E-08	2.13E-07	2.77E-09	9.40E-06	6.90E-05	4.78E-08	8.45E-05	5.29E-07
HHR59	3.40E-08	2.20E-07	2.82E-09	9.32E-06	6.73E-05	5.13E-08	8.24E-05	5.72E-07
HHR60	4.01E-08	2.45E-07	3.22E-09	1.11E-05	8.31E-05	6.10E-08	1.03E-04	6.86E-07
HHR61	3.26E-08	1.90E-07	2.54E-09	8.86E-05	3.26E-03	1.10E-07	5.15E-03	1.98E-06
HHR62	3.91E-08	2.74E-07	2.56E-09	1.26E-04	5.97E-03	1.44E-07	9.47E-03	3.74E-06
HHR63	6.19E-08	1.69E-07	2.93E-09	2.38E-04	2.69E-03	7.74E-08	3.92E-03	1.95E-06
HHR64	2.62E-08	9.97E-08	3.45E-09	7.91E-05	1.52E-04	4.65E-08	1.56E-04	1.10E-06
HHR65	6.86E-08	1.76E-07	3.04E-09	3.10E-04	1.92E-03	6.34E-08	2.58E-03	1.82E-06
HHR66	3.72E-08	1.24E-07	2.53E-09	1.14E-05	6.56E-05	6.72E-08	7.56E-05	7.13E-07
HHR67	4.63E-08	1.57E-07	2.96E-09	1.64E-05	9.35E-05	7.50E-08	1.09E-04	8.27E-07

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	5.27E-08	1.42E-07	2.68E-09	3.74E-05	1.89E-04	7.03E-08	2.33E-04	9.16E-07
HHR69	1.94E-08	6.02E-08	1.62E-09	2.09E-05	6.46E-05	3.37E-08	7.36E-05	4.17E-07
HHR70	2.09E-08	6.61E-08	1.83E-09	2.84E-05	7.66E-05	3.66E-08	8.64E-05	4.78E-07
HHR71	2.70E-08	3.07E-07	9.87E-09	2.80E-04	5.99E-04	5.32E-08	5.08E-04	4.49E-06
HHR72	2.29E-08	8.42E-08	1.63E-09	6.08E-06	3.47E-05	4.23E-08	3.93E-05	4.40E-07
HHR73	5.71E-08	1.48E-07	2.72E-09	1.02E-04	4.73E-04	5.46E-08	5.93E-04	1.29E-06
HHR74	2.74E-08	2.47E-07	2.36E-09	1.18E-04	4.77E-04	3.81E-08	4.15E-04	2.55E-06
HHR75	3.30E-08	2.69E-07	2.49E-09	1.92E-04	8.32E-04	5.85E-08	9.48E-04	2.78E-06
HHR76	4.28E-08	2.77E-07	3.01E-09	7.03E-04	6.38E-04	5.79E-08	6.64E-04	2.66E-06
HHR77	3.69E-08	2.54E-07	2.58E-09	8.72E-05	3.43E-04	4.71E-08	3.56E-04	2.35E-06
HHR78	2.74E-08	1.40E-07	4.21E-09	8.79E-05	2.26E-04	4.77E-08	2.12E-04	1.63E-06
HHR79	3.01E-08	2.28E-07	2.56E-09	1.08E-04	4.18E-04	4.15E-08	3.77E-04	2.27E-06
HHR80	2.28E-08	1.56E-07	2.00E-09	1.37E-04	3.64E-04	3.52E-08	4.18E-04	1.48E-06
HHR81	2.64E-08	1.33E-07	2.11E-09	7.91E-05	2.81E-04	3.71E-08	3.12E-04	1.26E-06
HHR82	2.47E-08	1.22E-07	2.01E-09	8.03E-05	2.75E-04	3.58E-08	3.19E-04	1.15E-06
HHR83	2.49E-08	1.25E-07	2.01E-09	7.63E-05	2.69E-04	3.55E-08	3.01E-04	1.18E-06
MPOI	2.56E-07	1.46E-06	1.55E-07	1.22E-02	7.59E-02	6.52E-07	1.31E-01	4.35E-05

Table M2-3: Planned Development Case Annual Average Ambient Air Concentrations for the Lewis Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	2.08E-04	4.35E-07	3.89E-10	9.22E-04	7.55E-05	5.77E-02	5.35E-02	1.57E-06	2.72E-07
HHR2	3.81E-04	4.89E-07	3.62E-10	1.04E-03	8.53E-05	6.74E-02	6.61E-02	1.52E-06	3.06E-07
HHR3	1.45E-05	5.35E-08	5.97E-10	1.16E-04	1.06E-05	1.34E-02	1.46E-03	5.47E-07	3.34E-08
HHR4	1.47E-04	6.66E-07	4.24E-10	1.41E-03	1.15E-04	7.49E-02	3.04E-02	2.13E-06	4.16E-07
HHR5	6.79E-05	3.70E-07	4.88E-10	8.06E-04	6.59E-05	3.99E-02	1.10E-02	1.38E-06	2.33E-07
HHR6	4.72E-05	1.82E-07	4.65E-10	3.87E-04	3.24E-05	4.46E-02	4.74E-03	8.20E-07	1.14E-07
HHR7	4.20E-06	1.93E-08	2.12E-10	4.25E-05	3.96E-06	2.68E-03	5.57E-04	1.93E-07	1.21E-08
HHR8	1.59E-04	8.29E-07	3.52E-10	1.75E-03	1.43E-04	8.79E-02	2.63E-02	2.46E-06	5.18E-07
HHR9	1.52E-04	6.15E-07	3.51E-10	1.30E-03	1.06E-04	7.11E-02	3.25E-02	2.04E-06	3.85E-07
HHR10	2.28E-05	1.16E-07	2.98E-10	2.56E-04	2.42E-05	1.31E-02	3.47E-03	1.16E-06	7.31E-08
HHR11	9.71E-05	5.43E-07	4.22E-10	1.14E-03	9.40E-05	1.01E-01	1.06E-02	1.29E-06	3.39E-07
HHR12	1.82E-04	1.03E-06	4.32E-10	2.17E-03	1.77E-04	1.21E-01	2.38E-02	2.76E-06	6.42E-07
HHR13	1.13E-04	7.90E-07	4.33E-10	1.66E-03	1.36E-04	1.18E-01	1.22E-02	1.75E-06	4.93E-07
HHR14	1.53E-04	3.17E-07	4.45E-10	6.77E-04	5.54E-05	4.66E-02	3.11E-02	1.32E-06	1.98E-07
HHR15	4.44E-06	1.78E-08	3.32E-10	3.95E-05	3.94E-06	3.56E-03	4.91E-04	2.46E-07	1.11E-08
HHR16	6.02E-05	2.51E-07	3.33E-10	5.31E-04	4.38E-05	5.07E-02	6.68E-03	1.53E-06	1.57E-07
HHR17	3.51E-05	1.07E-07	3.64E-10	2.28E-04	1.91E-05	2.96E-02	2.60E-03	5.49E-07	6.70E-08
HHR18	1.70E-04	1.03E-06	3.69E-10	2.17E-03	1.78E-04	2.07E-01	1.87E-02	1.53E-06	6.44E-07
HHR19	1.72E-04	9.97E-07	3.91E-10	2.10E-03	1.72E-04	2.09E-01	1.86E-02	1.55E-06	6.22E-07
HHR20	1.97E-04	1.21E-06	3.87E-10	2.54E-03	2.07E-04	2.46E-01	2.19E-02	1.63E-06	7.53E-07
HHR21	1.04E-04	6.55E-07	4.32E-10	1.38E-03	1.13E-04	1.08E-01	1.14E-02	1.50E-06	4.09E-07
HHR22	1.40E-04	3.67E-07	4.55E-10	7.77E-04	6.40E-05	1.12E-01	1.24E-02	1.23E-06	2.29E-07
HHR23	1.54E-04	9.12E-07	4.23E-10	1.92E-03	1.57E-04	9.31E-02	2.54E-02	2.74E-06	5.70E-07
HHR24	1.65E-04	9.38E-07	4.18E-10	1.98E-03	1.62E-04	1.01E-01	2.50E-02	2.80E-06	5.87E-07
HHR25	4.00E-05	1.58E-07	4.28E-10	3.36E-04	2.81E-05	2.94E-02	7.17E-03	7.61E-07	9.86E-08
HHR26	1.72E-05	6.66E-08	5.82E-10	1.44E-04	1.30E-05	1.47E-02	1.91E-03	5.94E-07	4.17E-08
HHR27	1.08E-05	4.15E-08	5.36E-10	9.10E-05	8.57E-06	8.77E-03	1.20E-03	4.58E-07	2.59E-08
HHR28	8.95E-06	4.27E-08	3.81E-10	9.33E-05	8.41E-06	5.88E-03	1.30E-03	3.43E-07	2.68E-08
HHR29	1.77E-04	1.52E-06	4.88E-10	3.20E-03	2.62E-04	1.04E-01	2.22E-02	9.09E-06	9.51E-07
HHR30	4.58E-05	2.20E-07	3.40E-10	4.69E-04	3.89E-05	2.88E-02	8.31E-03	6.91E-07	1.38E-07
HHR31	3.94E-04	5.07E-06	5.66E-10	1.07E-02	8.70E-04	1.34E-01	3.85E-02	9.42E-06	3.17E-06
HHR32	2.46E-04	2.91E-06	5.69E-10	6.12E-03	5.00E-04	1.54E-01	2.67E-02	7.64E-06	1.82E-06
HHR33	2.70E-04	2.83E-06	3.91E-10	5.96E-03	4.86E-04	1.70E-01	2.48E-02	4.83E-06	1.77E-06

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR34	6.06E-05	2.43E-07	3.33E-10	5.13E-04	4.24E-05	4.93E-02	6.57E-03	1.69E-06	1.52E-07
HHR35	2.22E-04	2.38E-06	5.56E-10	5.01E-03	4.09E-04	1.60E-01	2.34E-02	6.88E-06	1.49E-06
HHR36	3.08E-04	1.45E-06	4.06E-10	3.06E-03	2.50E-04	2.16E-01	2.63E-02	3.25E-06	9.08E-07
HHR37	1.26E-04	1.02E-06	3.78E-10	2.16E-03	1.77E-04	1.26E-01	1.96E-02	1.35E-06	6.40E-07
HHR38	3.49E-04	9.30E-07	5.77E-10	1.96E-03	1.61E-04	2.64E-01	2.20E-02	5.81E-06	5.81E-07
HHR39	3.74E-05	1.14E-07	3.93E-10	2.43E-04	2.05E-05	3.16E-02	2.73E-03	5.70E-07	7.15E-08
HHR40	3.30E-05	1.03E-07	3.60E-10	2.19E-04	1.84E-05	2.78E-02	2.47E-03	5.36E-07	6.44E-08
HHR41	4.89E-05	1.42E-07	4.17E-10	3.00E-04	2.51E-05	4.14E-02	3.27E-03	6.34E-07	8.85E-08
HHR42	6.27E-05	2.68E-07	3.50E-10	5.67E-04	4.68E-05	5.39E-02	7.07E-03	1.47E-06	1.68E-07
HHR43	1.40E-04	5.99E-07	4.41E-10	1.27E-03	1.04E-04	7.43E-02	2.85E-02	1.95E-06	3.74E-07
HHR44	1.43E-04	8.38E-07	4.44E-10	1.77E-03	1.45E-04	9.40E-02	2.49E-02	2.46E-06	5.24E-07
HHR45	7.42E-06	3.43E-08	3.01E-10	7.49E-05	6.74E-06	5.03E-03	1.06E-03	2.75E-07	2.15E-08
HHR46	1.36E-05	7.68E-08	6.09E-10	1.69E-04	1.51E-05	9.35E-03	2.11E-03	5.65E-07	4.81E-08
HHR47	1.60E-05	8.68E-08	5.70E-10	1.91E-04	1.68E-05	9.96E-03	2.51E-03	6.28E-07	5.45E-08
HHR48	2.95E-05	9.41E-08	3.43E-10	2.00E-04	1.69E-05	2.48E-02	2.28E-03	5.09E-07	5.88E-08
HHR49	1.25E-05	6.95E-08	5.62E-10	1.52E-04	1.37E-05	8.56E-03	1.92E-03	5.21E-07	4.35E-08
HHR50	1.71E-05	9.10E-08	5.47E-10	2.01E-04	1.76E-05	1.04E-02	2.69E-03	6.62E-07	5.71E-08
HHR51	1.11E-05	5.86E-08	5.52E-10	1.28E-04	1.18E-05	7.53E-03	1.68E-03	4.65E-07	3.67E-08
HHR52	3.04E-05	2.75E-07	2.86E-10	5.98E-04	4.99E-05	1.42E-02	3.86E-03	1.21E-06	1.73E-07
HHR53	1.69E-05	1.03E-07	8.06E-10	2.28E-04	1.98E-05	1.06E-02	2.69E-03	7.01E-07	6.48E-08
HHR54	3.19E-05	2.75E-07	3.08E-10	5.99E-04	4.97E-05	1.52E-02	4.17E-03	1.20E-06	1.73E-07
HHR55	1.85E-05	9.72E-08	4.31E-10	2.15E-04	1.87E-05	1.07E-02	2.84E-03	7.13E-07	6.11E-08
HHR56	2.95E-05	1.66E-07	4.64E-10	3.68E-04	3.04E-05	1.75E-02	4.89E-03	9.32E-07	1.04E-07
HHR57	3.97E-05	1.98E-07	4.32E-10	4.35E-04	3.56E-05	2.24E-02	6.87E-03	9.02E-07	1.24E-07
HHR58	8.64E-06	3.68E-08	5.19E-10	8.02E-05	7.57E-06	6.33E-03	1.15E-03	3.53E-07	2.30E-08
HHR59	8.62E-06	3.66E-08	5.15E-10	7.96E-05	7.49E-06	6.37E-03	1.14E-03	3.49E-07	2.29E-08
HHR60	1.02E-05	4.42E-08	5.88E-10	9.60E-05	8.94E-06	7.50E-03	1.37E-03	3.99E-07	2.76E-08
HHR61	5.42E-05	2.21E-07	8.61E-10	4.86E-04	3.97E-05	3.08E-02	1.04E-02	1.02E-06	1.39E-07
HHR62	6.78E-05	2.23E-07	5.85E-10	5.02E-04	3.96E-05	3.20E-02	1.31E-02	1.35E-06	1.39E-07
HHR63	1.16E-04	2.80E-07	4.76E-10	6.01E-04	4.91E-05	4.24E-02	2.36E-02	1.23E-06	1.75E-07
HHR64	7.46E-05	1.88E-07	4.39E-10	3.99E-04	3.32E-05	6.66E-02	5.13E-03	9.19E-07	1.17E-07
HHR65	1.56E-04	3.70E-07	4.63E-10	7.86E-04	6.44E-05	5.54E-02	3.84E-02	1.44E-06	2.31E-07
HHR66	1.13E-05	4.36E-08	5.38E-10	9.56E-05	8.97E-06	9.17E-03	1.27E-03	4.67E-07	2.73E-08
HHR67	1.60E-05	6.42E-08	6.20E-10	1.39E-04	1.27E-05	1.52E-02	1.87E-03	5.90E-07	4.01E-08

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR68	2.99E-05	1.23E-07	4.54E-10	2.61E-04	2.22E-05	2.32E-02	4.33E-03	6.74E-07	7.66E-08
HHR69	2.24E-05	7.42E-08	3.12E-10	1.58E-04	1.34E-05	1.88E-02	1.87E-03	4.49E-07	4.64E-08
HHR70	3.01E-05	9.68E-08	3.47E-10	2.06E-04	1.74E-05	2.54E-02	2.34E-03	5.13E-07	6.05E-08
HHR71	3.05E-04	1.13E-06	4.57E-10	2.40E-03	1.96E-04	3.21E-01	2.38E-02	2.65E-06	7.09E-07
HHR72	6.27E-06	2.51E-08	3.26E-10	5.50E-05	5.17E-06	5.09E-03	6.74E-04	2.87E-07	1.57E-08
HHR73	8.28E-05	2.86E-07	4.50E-10	6.07E-04	5.01E-05	6.40E-02	9.71E-03	1.10E-06	1.79E-07
HHR74	1.85E-04	1.13E-06	3.77E-10	2.38E-03	1.95E-04	2.28E-01	2.05E-02	1.57E-06	7.08E-07
HHR75	1.55E-04	8.50E-07	5.32E-10	1.79E-03	1.47E-04	1.23E-01	2.08E-02	2.20E-06	5.31E-07
HHR76	1.85E-04	1.06E-06	5.55E-10	2.23E-03	1.83E-04	1.90E-01	2.03E-02	1.81E-06	6.62E-07
HHR77	9.47E-05	6.00E-07	4.17E-10	1.26E-03	1.04E-04	9.79E-02	1.05E-02	1.43E-06	3.75E-07
HHR78	9.61E-05	3.61E-07	4.33E-10	7.64E-04	6.30E-05	9.80E-02	8.07E-03	1.17E-06	2.26E-07
HHR79	1.59E-04	9.31E-07	3.91E-10	1.96E-03	1.60E-04	1.92E-01	1.73E-02	1.44E-06	5.82E-07
HHR80	1.22E-04	4.28E-07	4.27E-10	9.02E-04	7.42E-05	9.20E-02	1.09E-02	2.15E-06	2.67E-07
HHR81	8.39E-05	4.24E-07	3.86E-10	8.94E-04	7.34E-05	8.46E-02	9.56E-03	1.27E-06	2.65E-07
HHR82	7.51E-05	3.59E-07	3.90E-10	7.57E-04	6.23E-05	6.92E-02	9.37E-03	1.33E-06	2.24E-07
HHR83	7.85E-05	3.88E-07	3.80E-10	8.18E-04	6.73E-05	7.71E-02	9.19E-03	1.29E-06	2.43E-07
MPOI	4.21E-03	6.14E-06	1.47E-08	1.29E-02	1.05E-03	3.24E+00	1.54E+00	2.06E-04	3.84E-06

Table M2-3: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	9.55E-11	1.11E-03	6.68E-08	5.60E-07	8.00E-04	6.30E-06	1.81E-04	7.56E-09
HHR2	8.82E-11	1.95E-03	6.38E-08	6.45E-07	1.63E-03	1.30E-05	2.15E-04	5.87E-09
HHR3	1.33E-10	2.97E-05	2.21E-08	1.35E-07	3.41E-05	9.33E-07	2.33E-05	1.76E-09
HHR4	1.03E-10	6.51E-04	7.74E-08	9.42E-07	4.72E-04	4.68E-06	2.71E-04	4.37E-09
HHR5	9.92E-11	4.07E-04	8.72E-08	7.12E-07	3.06E-04	2.98E-05	1.93E-04	7.86E-09
HHR6	1.12E-10	8.51E-05	2.83E-08	2.45E-07	6.92E-05	9.02E-07	7.45E-05	1.58E-09
HHR7	4.64E-11	1.81E-05	8.69E-09	5.47E-08	1.03E-05	1.40E-06	1.03E-05	9.57E-10
HHR8	9.04E-11	5.84E-04	7.46E-08	7.58E-07	4.17E-04	3.71E-06	3.35E-04	2.81E-09
HHR9	8.72E-11	6.79E-04	6.67E-08	6.62E-07	4.63E-04	7.16E-06	2.55E-04	3.48E-09
HHR10	3.69E-10	1.29E-04	4.86E-08	2.96E-07	6.64E-05	1.29E-05	6.42E-05	1.45E-09
HHR11	1.12E-10	1.97E-04	4.08E-08	5.41E-07	1.44E-04	9.97E-07	2.18E-04	1.56E-09
HHR12	1.14E-10	5.79E-04	8.21E-08	1.10E-06	4.20E-04	6.32E-06	4.17E-04	2.55E-09
HHR13	1.16E-10	2.58E-04	5.30E-08	9.25E-07	1.88E-04	1.08E-06	3.16E-04	1.67E-09
HHR14	1.03E-10	7.53E-04	8.03E-08	4.97E-07	6.56E-04	5.31E-06	1.33E-04	1.68E-08
HHR15	7.23E-11	1.02E-05	1.14E-08	8.00E-08	9.79E-06	5.05E-07	8.33E-06	8.11E-10
HHR16	8.14E-11	1.25E-04	4.33E-08	2.51E-07	9.41E-05	7.43E-07	1.01E-04	9.82E-10
HHR17	7.94E-11	4.84E-05	1.80E-08	1.37E-07	4.09E-05	6.12E-07	4.38E-05	8.85E-10
HHR18	9.18E-11	3.13E-04	4.33E-08	7.04E-07	2.02E-04	8.69E-07	4.11E-04	1.18E-09
HHR19	9.51E-11	3.11E-04	4.07E-08	7.52E-07	2.02E-04	8.68E-07	3.98E-04	1.21E-09
HHR20	9.64E-11	3.62E-04	4.46E-08	8.40E-07	2.30E-04	9.02E-07	4.81E-04	1.23E-09
HHR21	1.15E-10	2.26E-04	4.66E-08	7.17E-07	1.65E-04	1.05E-06	2.62E-04	1.63E-09
HHR22	1.15E-10	2.18E-04	5.48E-08	4.10E-07	1.87E-04	1.68E-06	1.49E-04	2.79E-09
HHR23	1.22E-10	5.99E-04	8.34E-08	1.17E-06	4.25E-04	5.34E-06	3.70E-04	3.00E-09
HHR24	1.17E-10	6.11E-04	8.29E-08	1.15E-06	4.23E-04	9.10E-06	3.86E-04	2.83E-09
HHR25	1.01E-10	1.23E-04	4.19E-08	2.47E-07	9.10E-05	1.18E-06	6.49E-05	2.26E-09
HHR26	1.26E-10	3.78E-05	2.61E-08	1.69E-07	3.64E-05	9.94E-07	2.88E-05	1.58E-09
HHR27	1.25E-10	2.41E-05	2.05E-08	1.36E-07	2.33E-05	8.85E-07	1.86E-05	1.52E-09
HHR28	8.54E-11	3.60E-05	1.93E-08	9.95E-08	2.55E-05	1.98E-06	2.10E-05	7.37E-10
HHR29	1.02E-10	7.16E-04	2.21E-07	1.44E-06	5.21E-04	1.09E-06	6.05E-04	1.16E-09
HHR30	8.20E-11	1.94E-04	4.28E-08	3.03E-07	1.54E-04	3.02E-06	9.24E-05	2.63E-09
HHR31	1.20E-10	2.18E-03	2.12E-07	3.62E-06	1.69E-03	1.84E-06	2.02E-03	1.37E-09
HHR32	1.23E-10	1.07E-03	1.87E-07	2.74E-06	7.70E-04	1.58E-06	1.16E-03	1.31E-09
HHR33	9.73E-11	9.20E-04	1.25E-07	2.13E-06	6.64E-04	2.74E-06	1.13E-03	1.74E-09

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	8.15E-11	1.24E-04	4.70E-08	2.47E-07	9.45E-05	7.46E-07	9.80E-05	9.79E-10
HHR35	1.23E-10	8.15E-04	1.71E-07	2.40E-06	5.74E-04	1.45E-06	9.47E-04	1.30E-09
HHR36	1.02E-10	6.87E-04	8.98E-08	1.32E-06	4.93E-04	1.16E-05	5.93E-04	2.18E-09
HHR37	8.46E-11	4.55E-04	7.34E-08	8.34E-07	3.61E-04	5.27E-06	4.15E-04	5.21E-09
HHR38	1.27E-10	4.30E-04	1.46E-07	9.05E-07	3.77E-04	1.20E-06	3.71E-04	1.28E-09
HHR39	8.68E-11	5.08E-05	1.92E-08	1.46E-07	4.31E-05	6.62E-07	4.69E-05	1.00E-09
HHR40	7.95E-11	4.68E-05	1.80E-08	1.33E-07	3.94E-05	6.09E-07	4.22E-05	9.11E-10
HHR41	8.86E-11	6.04E-05	1.99E-08	1.70E-07	5.15E-05	6.96E-07	5.76E-05	9.13E-10
HHR42	8.55E-11	1.31E-04	4.20E-08	2.65E-07	9.82E-05	7.73E-07	1.08E-04	1.04E-09
HHR43	1.07E-10	6.07E-04	7.57E-08	8.04E-07	4.48E-04	4.00E-06	2.43E-04	4.46E-09
HHR44	1.12E-10	5.66E-04	8.51E-08	1.19E-06	4.15E-04	3.48E-06	3.38E-04	3.79E-09
HHR45	6.60E-11	2.71E-05	1.49E-08	7.76E-08	2.03E-05	1.26E-06	1.65E-05	6.54E-10
HHR46	1.32E-10	5.76E-05	4.66E-08	2.00E-07	5.45E-05	2.53E-06	3.64E-05	1.28E-09
HHR47	1.34E-10	7.21E-05	5.32E-08	2.31E-07	6.00E-05	3.93E-06	4.17E-05	1.28E-09
HHR48	7.71E-11	4.35E-05	1.75E-08	1.24E-07	3.66E-05	5.84E-07	3.87E-05	9.15E-10
HHR49	1.22E-10	5.03E-05	4.11E-08	1.79E-07	4.78E-05	2.05E-06	3.27E-05	1.33E-09
HHR50	1.34E-10	7.88E-05	5.59E-08	2.45E-07	6.33E-05	4.58E-06	4.41E-05	1.31E-09
HHR51	1.17E-10	4.21E-05	3.35E-08	1.54E-07	3.86E-05	1.66E-06	2.77E-05	1.28E-09
HHR52	1.34E-10	2.37E-04	4.81E-08	5.22E-07	9.03E-05	2.33E-05	1.46E-04	1.53E-09
HHR53	1.62E-10	7.34E-05	7.28E-08	2.87E-07	7.37E-05	3.10E-06	4.70E-05	1.51E-09
HHR54	1.08E-10	2.42E-04	5.16E-08	5.42E-07	9.56E-05	2.33E-05	1.46E-04	1.71E-09
HHR55	1.37E-10	9.44E-05	5.29E-08	2.58E-07	6.28E-05	6.87E-06	4.99E-05	1.28E-09
HHR56	1.08E-10	1.49E-04	1.07E-07	4.60E-07	1.29E-04	7.90E-06	7.89E-05	2.60E-09
HHR57	9.10E-11	2.13E-04	7.69E-08	4.36E-07	1.71E-04	1.32E-05	9.97E-05	4.84E-09
HHR58	1.04E-10	2.51E-05	1.92E-08	1.16E-07	2.26E-05	9.66E-07	1.67E-05	1.27E-09
HHR59	1.04E-10	2.47E-05	1.92E-08	1.22E-07	2.22E-05	9.53E-07	1.65E-05	1.29E-09
HHR60	1.17E-10	2.97E-05	2.31E-08	1.46E-07	2.70E-05	1.10E-06	1.98E-05	1.47E-09
HHR61	1.54E-10	2.60E-04	1.21E-07	5.49E-07	4.21E-04	8.31E-06	1.01E-04	2.34E-08
HHR62	1.15E-10	3.22E-04	2.50E-07	9.70E-07	6.87E-04	6.40E-06	9.82E-05	6.79E-08
HHR63	1.04E-10	5.56E-04	1.07E-07	5.38E-07	5.60E-04	5.20E-06	1.18E-04	2.45E-08
HHR64	9.72E-11	8.80E-05	2.43E-08	2.85E-07	7.59E-05	7.73E-07	7.64E-05	1.08E-09
HHR65	1.08E-10	7.85E-04	7.64E-08	5.15E-07	5.96E-04	4.69E-06	1.53E-04	7.96E-09
HHR66	1.27E-10	2.55E-05	2.12E-08	1.42E-07	2.45E-05	9.01E-07	1.94E-05	1.52E-09
HHR67	1.41E-10	3.89E-05	2.75E-08	1.74E-07	4.62E-05	1.03E-06	2.79E-05	1.77E-09

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	1.04E-10	8.07E-05	3.52E-08	2.15E-07	6.59E-05	1.11E-06	5.08E-05	1.99E-09
HHR69	7.14E-11	3.61E-05	1.59E-08	1.06E-07	3.04E-05	5.31E-07	3.07E-05	8.65E-10
HHR70	7.89E-11	4.43E-05	1.78E-08	1.27E-07	3.73E-05	5.95E-07	3.98E-05	9.46E-10
HHR71	1.03E-10	4.04E-04	4.95E-08	1.22E-06	2.97E-04	9.58E-07	4.54E-04	1.13E-09
HHR72	7.63E-11	1.37E-05	1.28E-08	8.59E-08	1.31E-05	5.25E-07	1.12E-05	9.63E-10
HHR73	1.09E-10	1.85E-04	5.82E-08	3.68E-07	1.59E-04	1.66E-06	1.17E-04	2.81E-09
HHR74	9.41E-11	3.40E-04	4.43E-08	7.69E-07	2.18E-04	8.89E-07	4.52E-04	1.21E-09
HHR75	1.27E-10	4.59E-04	7.07E-08	8.20E-07	3.75E-04	2.66E-06	3.41E-04	2.38E-09
HHR76	1.38E-10	3.86E-04	6.03E-08	7.92E-07	2.83E-04	1.64E-06	4.24E-04	2.25E-09
HHR77	1.10E-10	2.12E-04	4.53E-08	6.96E-07	1.59E-04	1.03E-06	2.40E-04	1.61E-09
HHR78	9.79E-11	1.42E-04	2.90E-08	4.32E-07	1.08E-04	8.04E-07	1.45E-04	1.14E-09
HHR79	9.91E-11	2.88E-04	4.13E-08	6.72E-07	1.89E-04	9.01E-07	3.72E-04	1.29E-09
HHR80	1.01E-10	2.16E-04	6.07E-08	4.45E-07	1.73E-04	1.06E-06	1.72E-04	1.30E-09
HHR81	9.76E-11	1.76E-04	3.87E-08	3.72E-07	1.26E-04	8.96E-07	1.70E-04	1.29E-09
HHR82	9.64E-11	1.72E-04	4.00E-08	3.40E-07	1.24E-04	8.85E-07	1.44E-04	1.24E-09
HHR83	9.46E-11	1.69E-04	3.88E-08	3.50E-07	1.22E-04	8.65E-07	1.56E-04	1.22E-09
MPOI	2.23E-09	1.88E-02	4.98E-06	1.02E-05	1.78E-02	1.19E-04	2.44E-03	2.83E-06

Table M2-3: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	2.41E-09	2.44E-09	2.40E-09	1.22E-07	6.66E-04	4.52E-08	5.67E-08
HHR2	2.43E-09	2.46E-09	2.41E-09	1.35E-07	1.30E-03	4.67E-08	6.42E-08
HHR3	1.53E-09	1.58E-09	1.51E-09	2.65E-08	7.99E-05	3.10E-08	8.28E-09
HHR4	1.68E-09	1.72E-09	1.67E-09	2.10E-07	7.15E-04	5.91E-08	8.49E-08
HHR5	9.28E-10	9.47E-10	9.00E-10	1.40E-07	5.00E-04	6.68E-08	5.00E-08
HHR6	1.26E-09	1.30E-09	1.25E-09	4.89E-08	3.45E-04	3.35E-08	2.43E-08
HHR7	8.35E-10	8.37E-10	8.06E-10	9.95E-09	2.22E-05	1.07E-08	3.44E-09
HHR8	1.13E-09	1.16E-09	1.11E-09	1.67E-07	6.29E-04	4.36E-08	1.05E-07
HHR9	1.23E-09	1.26E-09	1.22E-09	1.43E-07	6.01E-04	4.62E-08	7.86E-08
HHR10	8.50E-10	8.55E-10	7.97E-10	5.31E-08	1.37E-04	3.04E-08	1.64E-08
HHR11	1.18E-09	1.24E-09	1.16E-09	1.19E-07	9.04E-04	3.61E-08	6.92E-08
HHR12	1.20E-09	1.25E-09	1.19E-09	2.43E-07	8.21E-04	8.78E-08	1.30E-07
HHR13	1.25E-09	1.32E-09	1.23E-09	2.08E-07	1.08E-03	4.75E-08	1.00E-07
HHR14	2.47E-09	2.49E-09	2.45E-09	1.09E-07	5.54E-04	5.01E-08	4.25E-08
HHR15	6.57E-10	6.83E-10	6.42E-10	1.60E-08	2.47E-05	2.18E-08	2.98E-09
HHR16	7.53E-10	7.95E-10	7.42E-10	5.38E-08	3.77E-04	2.27E-08	3.23E-08
HHR17	7.17E-10	7.42E-10	7.07E-10	2.75E-08	1.72E-04	1.92E-08	1.43E-08
HHR18	9.07E-10	9.55E-10	8.95E-10	1.56E-07	2.13E-03	3.66E-08	1.30E-07
HHR19	9.12E-10	9.50E-10	9.00E-10	1.61E-07	2.13E-03	4.26E-08	1.26E-07
HHR20	9.37E-10	9.86E-10	9.24E-10	1.84E-07	2.57E-03	4.30E-08	1.52E-07
HHR21	1.23E-09	1.30E-09	1.22E-09	1.60E-07	9.77E-04	4.16E-08	8.32E-08
HHR22	1.82E-09	1.87E-09	1.80E-09	8.95E-08	6.83E-04	3.65E-08	4.77E-08
HHR23	1.25E-09	1.31E-09	1.25E-09	2.60E-07	7.56E-04	1.19E-07	1.16E-07
HHR24	1.22E-09	1.27E-09	1.22E-09	2.53E-07	7.52E-04	1.08E-07	1.19E-07
HHR25	1.69E-09	1.73E-09	1.67E-09	5.20E-08	2.76E-04	3.81E-08	2.14E-08
HHR26	1.25E-09	1.30E-09	1.23E-09	3.35E-08	1.02E-04	3.74E-08	9.79E-09
HHR27	1.24E-09	1.29E-09	1.22E-09	2.76E-08	5.96E-05	3.69E-08	6.47E-09
HHR28	5.76E-10	5.70E-10	4.93E-10	1.96E-08	5.04E-05	1.38E-08	6.10E-09
HHR29	7.88E-10	8.16E-10	7.75E-10	3.16E-07	8.57E-04	7.57E-08	1.91E-07
HHR30	1.16E-09	1.17E-09	1.13E-09	6.55E-08	3.74E-04	2.95E-08	2.87E-08
HHR31	8.51E-10	8.81E-10	8.35E-10	7.81E-07	1.15E-03	1.52E-07	6.36E-07
HHR32	8.43E-10	8.88E-10	8.28E-10	6.17E-07	1.29E-03	1.09E-07	3.65E-07
HHR33	9.32E-10	9.77E-10	9.18E-10	4.82E-07	1.02E-03	8.57E-08	3.55E-07

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	7.50E-10	7.93E-10	7.39E-10	5.27E-08	3.50E-04	2.28E-08	3.12E-08
HHR35	8.86E-10	9.41E-10	8.70E-10	5.44E-07	1.28E-03	9.69E-08	2.99E-07
HHR36	1.11E-09	1.15E-09	1.09E-09	2.90E-07	1.08E-03	7.36E-08	1.84E-07
HHR37	1.18E-09	1.20E-09	1.15E-09	1.86E-07	1.56E-03	5.28E-08	1.29E-07
HHR38	9.28E-10	9.86E-10	9.11E-10	1.98E-07	1.15E-03	5.47E-08	1.18E-07
HHR39	8.15E-10	8.43E-10	8.04E-10	2.92E-08	1.85E-04	2.14E-08	1.53E-08
HHR40	7.39E-10	7.65E-10	7.29E-10	2.68E-08	1.63E-04	1.96E-08	1.38E-08
HHR41	7.32E-10	7.58E-10	7.21E-10	3.39E-08	2.30E-04	2.09E-08	1.87E-08
HHR42	7.98E-10	8.43E-10	7.87E-10	5.69E-08	4.11E-04	2.35E-08	3.44E-08
HHR43	1.94E-09	1.98E-09	1.93E-09	1.79E-07	7.06E-04	5.30E-08	7.67E-08
HHR44	1.78E-09	1.83E-09	1.77E-09	2.68E-07	8.88E-04	6.51E-08	1.06E-07
HHR45	5.10E-10	5.10E-10	4.50E-10	1.54E-08	4.22E-05	1.20E-08	4.96E-09
HHR46	8.98E-10	8.94E-10	7.90E-10	4.09E-08	7.85E-05	2.23E-08	1.08E-08
HHR47	8.13E-10	8.16E-10	7.30E-10	4.68E-08	9.38E-05	2.40E-08	1.21E-08
HHR48	7.44E-10	7.70E-10	7.34E-10	2.51E-08	1.48E-04	1.94E-08	1.27E-08
HHR49	9.48E-10	9.32E-10	8.24E-10	3.62E-08	7.16E-05	2.11E-08	9.96E-09
HHR50	7.74E-10	7.81E-10	7.08E-10	4.95E-08	1.01E-04	2.53E-08	1.26E-08
HHR51	9.08E-10	8.97E-10	7.93E-10	3.03E-08	6.37E-05	2.02E-08	8.52E-09
HHR52	7.05E-10	7.14E-10	6.69E-10	9.83E-08	1.44E-04	3.84E-08	3.75E-08
HHR53	9.11E-10	9.22E-10	8.35E-10	6.02E-08	9.96E-05	2.81E-08	1.42E-08
HHR54	7.17E-10	7.28E-10	6.83E-10	1.02E-07	1.57E-04	3.99E-08	3.75E-08
HHR55	7.48E-10	7.57E-10	6.96E-10	5.12E-08	1.07E-04	2.62E-08	1.36E-08
HHR56	7.76E-10	7.91E-10	7.37E-10	9.59E-08	1.98E-04	3.80E-08	2.23E-08
HHR57	7.69E-10	7.85E-10	7.42E-10	8.84E-08	2.61E-04	4.30E-08	2.67E-08
HHR58	8.87E-10	9.13E-10	8.55E-10	2.10E-08	4.97E-05	2.46E-08	5.50E-09
HHR59	9.07E-10	9.33E-10	8.76E-10	2.25E-08	4.97E-05	2.68E-08	5.45E-09
HHR60	1.02E-09	1.05E-09	9.91E-10	2.74E-08	5.96E-05	3.14E-08	6.47E-09
HHR61	9.97E-10	1.02E-09	9.72E-10	1.20E-07	3.85E-04	7.12E-08	2.92E-08
HHR62	1.17E-09	1.20E-09	1.15E-09	2.20E-07	5.00E-04	1.04E-07	2.92E-08
HHR63	1.92E-09	1.95E-09	1.90E-09	1.18E-07	5.01E-04	5.09E-08	3.72E-08
HHR64	8.53E-10	8.81E-10	8.41E-10	5.29E-08	4.02E-04	2.96E-08	2.47E-08
HHR65	2.25E-09	2.28E-09	2.23E-09	1.12E-07	5.89E-04	4.41E-08	4.81E-08
HHR66	1.22E-09	1.27E-09	1.20E-09	2.89E-08	6.31E-05	3.86E-08	6.71E-09
HHR67	1.39E-09	1.44E-09	1.37E-09	3.48E-08	9.60E-05	4.28E-08	9.53E-09

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	1.52E-09	1.56E-09	1.50E-09	4.47E-08	1.97E-04	3.91E-08	1.70E-08
HHR69	7.05E-10	7.31E-10	6.95E-10	2.13E-08	1.16E-04	1.83E-08	1.01E-08
HHR70	7.69E-10	7.96E-10	7.58E-10	2.57E-08	1.53E-04	2.01E-08	1.30E-08
HHR71	8.77E-10	9.21E-10	8.65E-10	2.32E-07	2.58E-03	7.30E-08	1.44E-07
HHR72	7.87E-10	8.16E-10	7.73E-10	1.74E-08	3.46E-05	2.31E-08	3.97E-09
HHR73	1.77E-09	1.81E-09	1.75E-09	7.99E-08	4.58E-04	3.39E-08	3.75E-08
HHR74	9.33E-10	9.83E-10	9.21E-10	1.71E-07	2.37E-03	3.86E-08	1.43E-07
HHR75	1.25E-09	1.30E-09	1.24E-09	1.82E-07	8.31E-04	5.90E-08	1.08E-07
HHR76	1.58E-09	1.65E-09	1.56E-09	1.77E-07	2.09E-03	4.95E-08	1.34E-07
HHR77	1.21E-09	1.27E-09	1.19E-09	1.55E-07	8.66E-04	4.11E-08	7.63E-08
HHR78	8.94E-10	9.23E-10	8.81E-10	8.27E-08	7.73E-04	3.59E-08	4.65E-08
HHR79	9.84E-10	1.04E-09	9.71E-10	1.47E-07	1.95E-03	3.77E-08	1.18E-07
HHR80	9.25E-10	9.75E-10	9.11E-10	9.76E-08	5.10E-04	3.19E-08	5.45E-08
HHR81	9.73E-10	1.03E-09	9.61E-10	8.17E-08	7.53E-04	2.83E-08	5.40E-08
HHR82	9.36E-10	9.86E-10	9.24E-10	7.45E-08	5.80E-04	2.70E-08	4.58E-08
HHR83	9.24E-10	9.74E-10	9.13E-10	7.67E-08	6.70E-04	2.71E-08	4.95E-08
MPOI	1.68E-08	1.69E-08	1.68E-08	1.48E-06	9.49E-03	7.52E-07	7.69E-07

Table M2-3: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	4.71E-08	5.82E-07	2.51E-09	5.82E-04	1.09E-06	1.48E-10	5.12E-04	9.73E-03	7.76E-04
HHR2	5.53E-08	4.83E-07	2.52E-09	1.07E-03	1.23E-06	1.37E-10	5.80E-04	2.14E-02	1.87E-03
HHR3	7.25E-08	2.36E-07	1.72E-09	1.47E-05	1.36E-07	2.27E-10	9.00E-05	1.16E-03	1.05E-04
HHR4	4.89E-08	7.14E-07	1.81E-09	3.29E-04	1.67E-06	1.61E-10	7.69E-04	8.53E-03	4.14E-04
HHR5	4.01E-08	3.74E-07	9.80E-10	5.67E-04	9.40E-07	1.85E-10	4.64E-04	6.62E-03	3.28E-04
HHR6	6.54E-08	3.12E-07	1.42E-09	3.09E-05	4.58E-07	1.76E-10	2.29E-04	3.63E-03	8.78E-05
HHR7	2.08E-08	8.03E-08	8.29E-10	7.32E-06	5.01E-08	8.03E-11	3.18E-05	2.37E-04	8.68E-06
HHR8	4.00E-08	9.57E-07	1.26E-09	2.58E-04	2.08E-06	1.34E-10	9.50E-04	6.72E-03	2.96E-04
HHR9	3.99E-08	7.61E-07	1.35E-09	3.20E-04	1.54E-06	1.33E-10	7.13E-04	6.80E-03	3.79E-04
HHR10	1.51E-07	4.24E-07	9.77E-10	6.38E-05	2.97E-07	1.13E-10	1.90E-04	1.60E-03	5.61E-05
HHR11	4.98E-08	4.33E-07	1.45E-09	5.70E-05	1.36E-06	1.60E-10	6.31E-04	9.67E-03	8.43E-05
HHR12	5.05E-08	9.39E-07	1.37E-09	2.15E-04	2.57E-06	1.64E-10	1.18E-03	8.40E-03	2.66E-04
HHR13	5.30E-08	5.18E-07	1.54E-09	6.70E-05	1.98E-06	1.64E-10	9.08E-04	1.16E-02	9.08E-05
HHR14	6.10E-08	4.98E-07	2.56E-09	6.47E-04	7.98E-07	1.69E-10	3.83E-04	8.80E-03	6.85E-04
HHR15	3.30E-08	1.10E-07	7.61E-10	6.00E-06	4.58E-08	1.26E-10	3.75E-05	2.60E-04	1.02E-05
HHR16	3.49E-08	6.99E-07	9.35E-10	4.23E-05	6.30E-07	1.26E-10	2.98E-04	3.73E-03	6.18E-05
HHR17	3.92E-08	2.19E-07	8.17E-10	1.70E-05	2.69E-07	1.38E-10	1.37E-04	1.56E-03	3.46E-05
HHR18	4.37E-08	5.10E-07	1.11E-09	5.77E-05	2.58E-06	1.40E-10	1.17E-03	2.38E-02	7.76E-05
HHR19	4.92E-08	4.52E-07	1.10E-09	5.39E-05	2.49E-06	1.48E-10	1.14E-03	2.38E-02	7.69E-05
HHR20	4.81E-08	4.85E-07	1.15E-09	6.05E-05	3.02E-06	1.47E-10	1.37E-03	2.89E-02	8.05E-05
HHR21	5.18E-08	4.73E-07	1.52E-09	6.23E-05	1.64E-06	1.64E-10	7.57E-04	1.05E-02	8.88E-05
HHR22	5.45E-08	4.64E-07	2.03E-09	1.19E-04	9.20E-07	1.73E-10	4.38E-04	6.22E-03	1.69E-04
HHR23	5.23E-08	8.90E-07	1.41E-09	2.47E-04	2.28E-06	1.61E-10	1.05E-03	8.36E-03	2.99E-04
HHR24	5.15E-08	9.19E-07	1.38E-09	2.38E-04	2.35E-06	1.59E-10	1.08E-03	8.04E-03	2.90E-04
HHR25	5.27E-08	3.00E-07	1.84E-09	6.40E-05	3.97E-07	1.63E-10	1.99E-04	2.51E-03	7.22E-05
HHR26	6.88E-08	2.52E-07	1.45E-09	1.99E-05	1.69E-07	2.21E-10	1.07E-04	1.18E-03	5.85E-05
HHR27	5.97E-08	1.98E-07	1.44E-09	1.38E-05	1.06E-07	2.03E-10	7.67E-05	6.59E-04	3.05E-05
HHR28	3.35E-08	1.33E-07	5.14E-10	1.77E-05	1.09E-07	1.45E-10	6.34E-05	5.61E-04	2.29E-05
HHR29	5.00E-08	4.20E-06	9.09E-10	1.97E-04	3.80E-06	1.85E-10	1.72E-03	1.05E-02	1.65E-04
HHR30	3.65E-08	2.52E-07	1.21E-09	1.70E-04	5.54E-07	1.29E-10	2.67E-04	3.87E-03	1.38E-04
HHR31	6.95E-08	3.32E-06	9.81E-10	5.83E-04	1.27E-05	2.15E-10	5.71E-03	2.06E-02	4.29E-04
HHR32	6.62E-08	2.84E-06	1.05E-09	2.58E-04	7.28E-06	2.16E-10	3.28E-03	1.55E-02	2.04E-04
HHR33	4.77E-08	1.64E-06	1.14E-09	2.39E-04	7.09E-06	1.48E-10	3.19E-03	9.98E-03	2.39E-04

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	3.46E-08	7.85E-07	9.34E-10	4.30E-05	6.08E-07	1.26E-10	2.89E-04	3.41E-03	6.24E-05
HHR35	6.34E-08	2.64E-06	1.13E-09	1.88E-04	5.96E-06	2.11E-10	2.69E-03	1.43E-02	1.70E-04
HHR36	4.76E-08	1.10E-06	1.28E-09	2.19E-04	3.64E-06	1.54E-10	1.66E-03	8.95E-03	2.93E-04
HHR37	4.02E-08	3.83E-07	1.24E-09	4.09E-04	2.56E-06	1.43E-10	1.17E-03	1.84E-02	2.65E-04
HHR38	5.68E-08	2.70E-06	1.18E-09	1.37E-04	2.33E-06	2.19E-10	1.07E-03	8.27E-03	2.61E-04
HHR39	4.34E-08	2.28E-07	9.29E-10	1.81E-05	2.88E-07	1.49E-10	1.47E-04	1.64E-03	3.81E-05
HHR40	3.96E-08	2.16E-07	8.43E-10	1.68E-05	2.59E-07	1.37E-10	1.32E-04	1.47E-03	3.45E-05
HHR41	4.39E-08	2.45E-07	8.35E-10	1.99E-05	3.55E-07	1.58E-10	1.76E-04	1.99E-03	4.11E-05
HHR42	3.67E-08	6.60E-07	9.89E-10	4.39E-05	6.73E-07	1.33E-10	3.18E-04	4.10E-03	6.44E-05
HHR43	5.15E-08	6.76E-07	2.07E-09	3.20E-04	1.50E-06	1.67E-10	6.95E-04	8.36E-03	4.00E-04
HHR44	5.31E-08	7.80E-07	1.93E-09	2.65E-04	2.10E-06	1.68E-10	9.62E-04	1.02E-02	3.26E-04
HHR45	2.73E-08	1.10E-07	4.84E-10	1.41E-05	8.74E-08	1.14E-10	5.09E-05	4.63E-04	1.81E-05
HHR46	5.24E-08	2.06E-07	8.29E-10	3.76E-05	1.95E-07	2.31E-10	1.13E-04	1.05E-03	6.10E-05
HHR47	5.05E-08	2.21E-07	7.86E-10	4.69E-05	2.21E-07	2.16E-10	1.26E-04	1.09E-03	5.37E-05
HHR48	3.88E-08	2.07E-07	8.49E-10	1.61E-05	2.37E-07	1.30E-10	1.22E-04	1.35E-03	3.37E-05
HHR49	4.89E-08	1.94E-07	8.68E-10	3.33E-05	1.77E-07	2.13E-10	1.03E-04	9.26E-04	5.04E-05
HHR50	5.10E-08	2.31E-07	7.78E-10	5.17E-05	2.31E-07	2.08E-10	1.32E-04	1.15E-03	5.44E-05
HHR51	4.73E-08	1.80E-07	8.35E-10	2.80E-05	1.49E-07	2.09E-10	8.92E-05	7.61E-04	3.69E-05
HHR52	5.83E-08	3.38E-07	7.49E-10	7.76E-05	7.01E-07	1.08E-10	3.53E-04	1.62E-03	6.15E-05
HHR53	5.83E-08	2.41E-07	9.08E-10	5.69E-05	2.62E-07	3.06E-10	1.48E-04	1.16E-03	6.30E-05
HHR54	4.83E-08	3.31E-07	7.56E-10	8.97E-05	7.02E-07	1.17E-10	3.50E-04	1.76E-03	6.92E-05
HHR55	5.41E-08	2.44E-07	7.76E-10	5.34E-05	2.48E-07	1.63E-10	1.41E-04	1.18E-03	4.96E-05
HHR56	4.43E-08	2.96E-07	8.15E-10	1.44E-04	4.21E-07	1.76E-10	2.21E-04	2.13E-03	1.02E-04
HHR57	3.72E-08	2.95E-07	8.18E-10	2.59E-04	5.03E-07	1.64E-10	2.56E-04	3.08E-03	1.65E-04
HHR58	4.59E-08	1.48E-07	9.72E-10	1.69E-05	9.37E-08	1.97E-10	6.03E-05	5.47E-04	2.27E-05
HHR59	4.63E-08	1.49E-07	9.97E-10	1.64E-05	9.30E-08	1.96E-10	5.98E-05	5.44E-04	2.25E-05
HHR60	5.28E-08	1.70E-07	1.12E-09	2.05E-05	1.12E-07	2.23E-10	7.04E-05	6.55E-04	2.73E-05
HHR61	4.20E-08	3.38E-07	1.06E-09	1.05E-03	5.59E-07	3.27E-10	2.88E-04	6.02E-03	4.93E-04
HHR62	4.74E-08	4.23E-07	1.26E-09	1.92E-03	5.61E-07	2.22E-10	3.03E-04	8.74E-03	7.50E-04
HHR63	5.52E-08	4.54E-07	2.02E-09	7.94E-04	7.04E-07	1.80E-10	3.44E-04	7.73E-03	5.99E-04
HHR64	5.09E-08	3.12E-07	9.87E-10	2.66E-05	4.72E-07	1.66E-10	2.32E-04	3.63E-03	6.18E-05
HHR65	5.70E-08	5.39E-07	2.37E-09	5.09E-04	9.28E-07	1.75E-10	4.40E-04	7.95E-03	5.81E-04
HHR66	6.11E-08	2.02E-07	1.45E-09	1.47E-05	1.11E-07	2.04E-10	7.95E-05	6.93E-04	3.09E-05
HHR67	7.42E-08	2.51E-07	1.62E-09	2.15E-05	1.63E-07	2.35E-10	1.06E-04	1.52E-03	1.34E-04

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	5.40E-08	2.73E-07	1.68E-09	4.52E-05	3.09E-07	1.72E-10	1.60E-04	1.97E-03	5.75E-05
HHR69	3.68E-08	1.86E-07	8.09E-10	1.42E-05	1.87E-07	1.19E-10	9.91E-05	1.08E-03	3.03E-05
HHR70	3.99E-08	2.09E-07	8.78E-10	1.66E-05	2.43E-07	1.32E-10	1.25E-04	1.40E-03	3.52E-05
HHR71	5.55E-08	6.55E-07	1.06E-09	6.87E-05	2.85E-06	1.73E-10	1.30E-03	2.66E-02	1.43E-04
HHR72	3.61E-08	1.28E-07	9.07E-10	7.69E-06	6.41E-08	1.24E-10	4.59E-05	3.71E-04	1.57E-05
HHR73	5.37E-08	4.22E-07	1.95E-09	1.16E-04	7.18E-07	1.71E-10	3.46E-04	4.57E-03	1.36E-04
HHR74	4.54E-08	5.05E-07	1.15E-09	5.97E-05	2.84E-06	1.43E-10	1.29E-03	2.66E-02	7.94E-05
HHR75	5.30E-08	7.91E-07	1.44E-09	1.76E-04	2.13E-06	2.02E-10	9.78E-04	8.67E-03	2.23E-04
HHR76	6.21E-08	6.05E-07	1.86E-09	1.13E-04	2.64E-06	2.11E-10	1.21E-03	1.86E-02	1.86E-03
HHR77	5.04E-08	4.48E-07	1.48E-09	6.06E-05	1.50E-06	1.58E-10	6.94E-04	9.26E-03	8.22E-05
HHR78	5.23E-08	3.62E-07	1.03E-09	3.29E-05	9.07E-07	1.64E-10	4.28E-04	7.97E-03	6.79E-05
HHR79	4.73E-08	4.59E-07	1.22E-09	5.59E-05	2.33E-06	1.48E-10	1.06E-03	2.17E-02	7.88E-05
HHR80	4.37E-08	9.52E-07	1.14E-09	7.73E-05	1.07E-06	1.62E-10	4.99E-04	4.37E-03	1.18E-04
HHR81	4.22E-08	5.06E-07	1.20E-09	5.42E-05	1.06E-06	1.47E-10	4.93E-04	7.97E-03	8.17E-05
HHR82	4.12E-08	5.56E-07	1.15E-09	5.62E-05	8.99E-07	1.48E-10	4.20E-04	5.93E-03	8.23E-05
HHR83	4.08E-08	5.30E-07	1.14E-09	5.26E-05	9.72E-07	1.44E-10	4.53E-04	7.02E-03	7.84E-05
MPOI	9.00E-07	1.09E-04	1.71E-08	2.65E-02	1.53E-05	5.58E-09	6.90E-03	1.98E-01	2.07E-02

Table M2-3: *(cont'd)*

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	2.53E-09	4.79E-07	8.84E-08	1.21E-08	4.14E-05	1.21E-07	2.02E-06	7.57E-06	1.58E-06
HHR2	2.54E-09	5.43E-07	1.22E-07	9.88E-09	5.39E-05	1.32E-07	2.27E-06	7.03E-06	1.78E-06
HHR3	1.75E-09	6.63E-08	1.14E-07	1.22E-08	3.20E-06	1.55E-07	2.56E-07	1.16E-05	1.96E-07
HHR4	1.83E-09	8.38E-07	9.54E-08	9.41E-09	3.69E-05	1.33E-07	3.09E-06	8.25E-06	2.42E-06
HHR5	1.01E-09	5.32E-07	2.57E-07	2.53E-08	2.16E-05	1.32E-07	1.73E-06	9.51E-06	1.35E-06
HHR6	1.44E-09	1.80E-07	1.01E-07	1.10E-08	9.00E-06	1.45E-07	8.51E-07	9.05E-06	6.63E-07
HHR7	8.63E-10	3.26E-08	7.48E-08	4.35E-09	1.45E-06	4.70E-08	9.37E-08	4.12E-06	7.14E-08
HHR8	1.28E-09	7.02E-07	8.25E-08	7.07E-09	3.87E-05	1.01E-07	3.84E-06	6.85E-06	3.01E-06
HHR9	1.37E-09	5.98E-07	8.00E-08	7.71E-09	3.51E-05	1.06E-07	2.85E-06	6.82E-06	2.23E-06
HHR10	9.05E-10	2.01E-07	1.84E-07	8.15E-09	6.66E-06	2.87E-07	5.51E-07	5.80E-06	4.24E-07
HHR11	1.47E-09	4.71E-07	7.62E-08	6.17E-09	2.39E-05	1.14E-07	2.52E-06	8.20E-06	1.97E-06
HHR12	1.40E-09	9.95E-07	8.98E-08	7.46E-09	4.50E-05	1.77E-07	4.76E-06	8.40E-06	3.73E-06
HHR13	1.56E-09	8.15E-07	8.43E-08	6.47E-09	3.28E-05	1.23E-07	3.66E-06	8.44E-06	2.87E-06
HHR14	2.58E-09	3.89E-07	1.04E-07	1.98E-08	3.20E-05	1.49E-07	1.48E-06	8.67E-06	1.15E-06
HHR15	7.78E-10	2.58E-08	9.21E-08	1.07E-08	1.17E-06	8.00E-08	8.75E-08	6.47E-06	6.55E-08
HHR16	9.47E-10	2.48E-07	5.37E-08	3.78E-09	1.17E-05	7.78E-08	1.17E-06	6.48E-06	9.13E-07
HHR17	8.29E-10	1.07E-07	5.27E-08	5.47E-09	5.02E-06	8.52E-08	5.01E-07	7.07E-06	3.90E-07
HHR18	1.13E-09	6.19E-07	6.57E-08	4.63E-09	4.45E-05	9.95E-08	4.78E-06	7.18E-06	3.75E-06
HHR19	1.12E-09	6.50E-07	7.79E-08	6.34E-09	4.35E-05	1.14E-07	4.62E-06	7.61E-06	3.62E-06
HHR20	1.17E-09	7.30E-07	7.66E-08	5.63E-09	5.23E-05	1.11E-07	5.59E-06	7.54E-06	4.38E-06
HHR21	1.54E-09	6.28E-07	8.03E-08	6.38E-09	2.79E-05	1.20E-07	3.04E-06	8.42E-06	2.38E-06
HHR22	2.05E-09	3.50E-07	8.83E-08	8.16E-09	1.86E-05	1.27E-07	1.71E-06	8.85E-06	1.33E-06
HHR23	1.44E-09	1.05E-06	9.29E-08	7.84E-09	4.20E-05	2.21E-07	4.23E-06	8.24E-06	3.31E-06
HHR24	1.41E-09	1.04E-06	9.23E-08	7.71E-09	4.25E-05	2.04E-07	4.35E-06	8.14E-06	3.41E-06
HHR25	1.86E-09	1.85E-07	1.08E-07	1.59E-08	9.89E-06	1.31E-07	7.36E-07	8.35E-06	5.74E-07
HHR26	1.47E-09	8.39E-08	1.45E-07	1.64E-08	3.82E-06	1.57E-07	3.18E-07	1.13E-05	2.43E-07
HHR27	1.46E-09	5.63E-08	1.22E-07	1.63E-08	2.53E-06	1.39E-07	2.01E-07	1.04E-05	1.52E-07
HHR28	6.07E-10	7.06E-08	7.57E-08	5.04E-09	2.52E-06	7.13E-08	2.04E-07	7.41E-06	1.56E-07
HHR29	9.25E-10	1.53E-06	1.32E-07	4.85E-09	5.93E-05	1.25E-07	7.05E-06	9.48E-06	5.52E-06
HHR30	1.24E-09	2.29E-07	1.00E-07	1.12E-08	1.29E-05	8.90E-08	1.03E-06	6.62E-06	8.00E-07
HHR31	9.99E-10	3.34E-06	1.71E-07	5.19E-09	1.80E-04	2.02E-07	2.35E-05	1.10E-05	1.84E-05
HHR32	1.07E-09	2.58E-06	1.36E-07	5.21E-09	1.05E-04	1.61E-07	1.35E-05	1.11E-05	1.06E-05
HHR33	1.15E-09	1.96E-06	1.06E-07	6.02E-09	9.92E-05	1.24E-07	1.31E-05	7.61E-06	1.03E-05

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	9.46E-10	2.51E-07	5.48E-08	3.74E-09	1.13E-05	7.72E-08	1.13E-06	6.48E-06	8.82E-07
HHR35	1.15E-09	2.26E-06	1.24E-07	5.27E-09	8.69E-05	1.50E-07	1.10E-05	1.08E-05	8.64E-06
HHR36	1.30E-09	1.20E-06	9.13E-08	7.07E-09	5.74E-05	1.36E-07	6.72E-06	7.90E-06	5.27E-06
HHR37	1.26E-09	6.87E-07	1.72E-07	1.71E-08	4.58E-05	1.08E-07	4.75E-06	7.35E-06	3.72E-06
HHR38	1.19E-09	9.42E-07	1.06E-07	5.24E-09	3.79E-05	1.29E-07	4.31E-06	1.12E-05	3.37E-06
HHR39	9.42E-10	1.10E-07	6.10E-08	6.27E-09	5.30E-06	9.44E-08	5.35E-07	7.63E-06	4.16E-07
HHR40	8.55E-10	1.02E-07	5.48E-08	5.79E-09	4.85E-06	8.63E-08	4.82E-07	7.00E-06	3.75E-07
HHR41	8.48E-10	1.35E-07	5.47E-08	5.34E-09	6.37E-06	9.43E-08	6.61E-07	8.10E-06	5.15E-07
HHR42	1.00E-09	2.55E-07	5.54E-08	3.94E-09	1.25E-05	8.21E-08	1.25E-06	6.80E-06	9.75E-07
HHR43	2.09E-09	7.09E-07	9.80E-08	9.40E-09	3.43E-05	1.34E-07	2.78E-06	8.57E-06	2.18E-06
HHR44	1.95E-09	1.06E-06	1.01E-07	8.45E-09	4.07E-05	1.46E-07	3.88E-06	8.64E-06	3.04E-06
HHR45	5.52E-10	5.36E-08	7.05E-08	4.39E-09	2.05E-06	5.87E-08	1.65E-07	5.86E-06	1.26E-07
HHR46	9.50E-10	1.49E-07	1.74E-07	7.35E-09	4.80E-06	1.11E-07	3.67E-07	1.18E-05	2.81E-07
HHR47	8.73E-10	1.76E-07	1.64E-07	7.87E-09	5.63E-06	1.10E-07	4.12E-07	1.11E-05	3.17E-07
HHR48	8.61E-10	9.33E-08	5.60E-08	6.01E-09	4.48E-06	8.51E-08	4.41E-07	6.67E-06	3.42E-07
HHR49	9.92E-10	1.30E-07	1.96E-07	6.63E-09	4.37E-06	1.04E-07	3.33E-07	1.09E-05	2.55E-07
HHR50	8.41E-10	1.88E-07	1.69E-07	8.45E-09	6.04E-06	1.12E-07	4.31E-07	1.06E-05	3.32E-07
HHR51	9.55E-10	1.05E-07	2.16E-07	6.44E-09	3.72E-06	1.00E-07	2.82E-07	1.07E-05	2.15E-07
HHR52	7.63E-10	4.17E-07	1.98E-07	9.24E-09	1.18E-05	1.35E-07	1.29E-06	5.56E-06	1.00E-06
HHR53	9.92E-10	2.23E-07	2.31E-07	8.41E-09	6.85E-06	1.25E-07	4.89E-07	1.57E-05	3.77E-07
HHR54	7.79E-10	4.34E-07	2.37E-07	1.01E-08	1.21E-05	1.19E-07	1.29E-06	5.99E-06	1.00E-06
HHR55	8.14E-10	1.98E-07	1.61E-07	8.92E-09	6.22E-06	1.19E-07	4.61E-07	8.38E-06	3.55E-07
HHR56	8.54E-10	3.67E-07	3.60E-07	1.32E-08	1.21E-05	1.14E-07	7.78E-07	9.03E-06	6.06E-07
HHR57	8.47E-10	3.37E-07	2.31E-07	1.88E-08	1.43E-05	1.11E-07	9.27E-07	8.41E-06	7.21E-07
HHR58	1.01E-09	5.72E-08	2.09E-07	1.05E-08	2.37E-06	1.04E-07	1.76E-07	1.01E-05	1.35E-07
HHR59	1.03E-09	5.61E-08	2.16E-07	1.20E-08	2.34E-06	1.08E-07	1.75E-07	1.00E-05	1.34E-07
HHR60	1.16E-09	6.82E-08	2.40E-07	1.45E-08	2.80E-06	1.24E-07	2.11E-07	1.15E-05	1.62E-07
HHR61	1.09E-09	4.29E-07	1.45E-07	4.12E-08	2.13E-05	1.57E-07	1.03E-06	1.68E-05	8.05E-07
HHR62	1.28E-09	6.82E-07	1.44E-07	5.90E-08	3.67E-05	1.92E-07	1.04E-06	1.14E-05	8.10E-07
HHR63	2.05E-09	4.20E-07	1.10E-07	2.13E-08	2.95E-05	1.43E-07	1.30E-06	9.26E-06	1.02E-06
HHR64	1.00E-09	2.28E-07	7.11E-08	7.05E-09	8.74E-06	1.15E-07	8.76E-07	8.53E-06	6.83E-07
HHR65	2.39E-09	4.27E-07	1.04E-07	1.31E-08	3.31E-05	1.37E-07	1.72E-06	9.00E-06	1.34E-06
HHR66	1.47E-09	5.93E-08	1.28E-07	1.71E-08	2.62E-06	1.44E-07	2.11E-07	1.05E-05	1.60E-07
HHR67	1.64E-09	8.39E-08	1.59E-07	1.88E-08	3.78E-06	1.71E-07	3.07E-07	1.21E-05	2.35E-07

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	1.70E-09	1.45E-07	1.21E-07	1.74E-08	7.28E-06	1.35E-07	5.74E-07	8.85E-06	4.47E-07
HHR69	8.21E-10	7.63E-08	5.51E-08	6.04E-09	3.65E-06	8.07E-08	3.48E-07	6.08E-06	2.70E-07
HHR70	8.91E-10	9.45E-08	5.86E-08	6.29E-09	4.56E-06	8.76E-08	4.53E-07	6.76E-06	3.52E-07
HHR71	1.08E-09	1.04E-06	9.89E-08	4.75E-09	4.94E-05	1.53E-07	5.26E-06	8.88E-06	4.13E-06
HHR72	9.23E-10	3.31E-08	8.54E-08	1.08E-08	1.53E-06	8.61E-08	1.22E-07	6.36E-06	9.21E-08
HHR73	1.97E-09	3.07E-07	9.28E-08	8.90E-09	1.53E-05	1.24E-07	1.33E-06	8.77E-06	1.04E-06
HHR74	1.16E-09	6.74E-07	6.87E-08	4.77E-09	4.89E-05	1.03E-07	5.25E-06	7.33E-06	4.12E-06
HHR75	1.46E-09	7.39E-07	8.50E-08	6.94E-09	3.96E-05	1.49E-07	3.94E-06	1.03E-05	3.08E-06
HHR76	1.88E-09	7.00E-07	8.49E-08	6.54E-09	4.60E-05	1.46E-07	4.91E-06	1.08E-05	3.84E-06
HHR77	1.49E-09	6.08E-07	8.16E-08	6.77E-09	2.58E-05	1.17E-07	2.78E-06	8.11E-06	2.18E-06
HHR78	1.05E-09	3.56E-07	7.81E-08	7.32E-09	1.63E-05	1.20E-07	1.68E-06	8.43E-06	1.31E-06
HHR79	1.23E-09	5.83E-07	7.34E-08	5.50E-09	4.05E-05	1.08E-07	4.32E-06	7.61E-06	3.38E-06
HHR80	1.15E-09	4.23E-07	6.87E-08	5.07E-09	1.88E-05	9.92E-08	1.98E-06	8.30E-06	1.55E-06
HHR81	1.21E-09	3.30E-07	6.00E-08	4.87E-09	1.91E-05	9.57E-08	1.97E-06	7.51E-06	1.54E-06
HHR82	1.16E-09	3.06E-07	5.85E-08	4.61E-09	1.68E-05	9.32E-08	1.67E-06	7.59E-06	1.30E-06
HHR83	1.15E-09	3.13E-07	5.82E-08	4.67E-09	1.77E-05	9.24E-08	1.80E-06	7.38E-06	1.41E-06
MPOI	1.72E-08	9.89E-06	1.63E-06	8.32E-08	6.98E-04	1.60E-06	2.84E-05	2.86E-04	2.23E-05

Table M2-3: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	5.10E-08	1.96E-07	4.41E-09	4.57E-04	2.33E-03	6.13E-08	2.98E-03	2.20E-06
HHR2	8.10E-08	2.44E-07	5.33E-09	1.00E-03	4.55E-03	6.23E-08	5.30E-03	2.49E-06
HHR3	4.10E-08	1.16E-07	3.95E-09	1.83E-05	7.45E-05	7.87E-08	7.92E-05	7.30E-07
HHR4	4.46E-08	3.16E-07	4.34E-09	2.58E-04	1.36E-03	6.33E-08	1.72E-03	3.43E-06
HHR5	3.23E-08	3.29E-07	6.63E-09	1.09E-04	1.99E-03	8.18E-08	2.87E-03	2.97E-06
HHR6	4.27E-08	1.33E-07	4.05E-09	5.42E-05	1.65E-04	7.29E-08	1.79E-04	1.10E-06
HHR7	1.70E-08	7.71E-08	1.50E-09	5.75E-06	3.79E-05	2.42E-08	4.11E-05	2.82E-07
HHR8	3.07E-08	2.51E-07	5.08E-09	2.30E-04	1.10E-03	4.81E-08	1.37E-03	2.86E-06
HHR9	3.22E-08	2.17E-07	4.77E-09	2.56E-04	1.32E-03	5.11E-08	1.70E-03	2.56E-06
HHR10	2.52E-08	1.86E-07	7.72E-09	3.55E-05	2.98E-04	1.24E-07	3.53E-04	1.42E-06
HHR11	3.90E-08	2.10E-07	3.61E-09	9.73E-05	3.33E-04	5.33E-08	3.47E-04	2.00E-06
HHR12	3.48E-08	3.63E-07	5.13E-09	2.44E-04	1.02E-03	7.86E-08	1.18E-03	4.13E-06
HHR13	4.11E-08	3.34E-07	3.66E-09	1.07E-04	4.12E-04	5.52E-08	4.13E-04	3.25E-06
HHR14	8.39E-08	1.75E-07	4.30E-09	3.54E-04	2.41E-03	8.10E-08	3.22E-03	2.07E-06
HHR15	2.89E-08	9.24E-08	2.14E-09	5.83E-06	3.07E-05	4.62E-08	3.30E-05	4.61E-07
HHR16	2.24E-08	9.97E-08	3.80E-09	7.28E-05	2.17E-04	3.68E-08	2.45E-04	1.10E-06
HHR17	2.44E-08	6.95E-08	2.62E-09	4.22E-05	9.29E-05	4.15E-08	9.97E-05	6.22E-07
HHR18	2.97E-08	2.39E-07	3.38E-09	1.22E-04	4.60E-04	4.38E-08	4.09E-04	2.50E-06
HHR19	3.26E-08	2.56E-07	4.39E-09	1.24E-04	4.60E-04	5.16E-08	4.01E-04	2.75E-06
HHR20	3.30E-08	2.85E-07	3.81E-09	1.34E-04	5.25E-04	4.92E-08	4.52E-04	2.98E-06
HHR21	4.05E-08	2.67E-07	3.66E-09	1.03E-04	3.72E-04	5.49E-08	3.81E-04	2.57E-06
HHR22	5.91E-08	1.71E-07	3.80E-09	1.80E-04	5.15E-04	6.11E-08	6.32E-04	1.62E-06
HHR23	3.60E-08	3.81E-07	4.81E-09	2.27E-04	1.10E-03	9.67E-08	1.33E-03	4.46E-06
HHR24	3.51E-08	3.71E-07	5.37E-09	2.34E-04	1.09E-03	8.97E-08	1.30E-03	4.39E-06
HHR25	5.90E-08	1.49E-07	3.38E-09	7.00E-05	2.73E-04	7.34E-08	3.48E-04	1.07E-06
HHR26	4.82E-08	1.52E-07	4.18E-09	2.17E-05	9.73E-05	8.48E-08	1.08E-04	8.86E-07
HHR27	4.15E-08	1.26E-07	3.70E-09	1.39E-05	6.71E-05	7.81E-08	7.54E-05	7.70E-07
HHR28	1.76E-08	8.08E-08	2.09E-09	1.29E-05	8.59E-05	3.49E-08	9.75E-05	4.50E-07
HHR29	2.42E-08	4.56E-07	1.61E-08	1.71E-04	1.07E-03	6.09E-08	1.06E-03	5.80E-06
HHR30	3.47E-08	1.45E-07	2.65E-09	9.81E-05	6.27E-04	4.94E-08	8.65E-04	1.24E-06
HHR31	2.65E-08	1.06E-06	1.86E-08	3.44E-04	3.34E-03	7.06E-08	2.91E-03	1.30E-05
HHR32	2.61E-08	8.72E-07	1.11E-08	2.20E-04	1.50E-03	5.93E-08	1.42E-03	9.70E-06
HHR33	2.64E-08	6.85E-07	6.68E-09	2.89E-04	1.31E-03	4.80E-08	1.35E-03	7.38E-06

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	2.23E-08	9.78E-08	4.07E-09	7.39E-05	2.17E-04	3.67E-08	2.47E-04	1.11E-06
HHR35	2.61E-08	7.73E-07	1.01E-08	2.09E-04	1.11E-03	5.73E-08	1.09E-03	8.50E-06
HHR36	3.13E-08	4.22E-07	6.22E-09	3.82E-04	1.12E-03	5.92E-08	1.25E-03	4.80E-06
HHR37	3.72E-08	3.58E-07	3.34E-09	1.41E-04	1.54E-03	6.09E-08	2.10E-03	3.04E-06
HHR38	2.71E-08	3.03E-07	1.12E-08	4.39E-04	7.31E-04	6.13E-08	7.79E-04	3.70E-06
HHR39	2.65E-08	7.94E-08	2.85E-09	4.50E-05	9.81E-05	4.63E-08	1.06E-04	6.64E-07
HHR40	2.47E-08	7.10E-08	2.62E-09	3.98E-05	9.05E-05	4.25E-08	9.79E-05	6.08E-07
HHR41	2.58E-08	7.73E-08	2.97E-09	5.86E-05	1.13E-04	4.49E-08	1.19E-04	7.47E-07
HHR42	2.38E-08	1.06E-07	3.74E-09	7.56E-05	2.27E-04	3.86E-08	2.56E-04	1.14E-06
HHR43	4.97E-08	2.79E-07	4.23E-09	2.47E-04	1.31E-03	6.42E-08	1.66E-03	2.99E-06
HHR44	4.69E-08	4.03E-07	4.22E-09	2.17E-04	1.14E-03	6.60E-08	1.40E-03	4.25E-06
HHR45	1.63E-08	7.51E-08	1.76E-09	1.06E-05	6.68E-05	2.90E-08	7.71E-05	3.57E-07
HHR46	2.85E-08	1.93E-07	3.52E-09	2.04E-05	1.66E-04	5.31E-08	1.97E-04	8.36E-07
HHR47	2.59E-08	1.88E-07	3.55E-09	2.44E-05	2.08E-04	5.32E-08	2.47E-04	9.42E-07
HHR48	2.47E-08	7.09E-08	2.54E-09	3.57E-05	8.53E-05	4.23E-08	9.32E-05	5.76E-07
HHR49	2.99E-08	2.15E-07	3.50E-09	1.86E-05	1.47E-04	4.90E-08	1.74E-04	7.53E-07
HHR50	2.54E-08	1.94E-07	3.65E-09	2.62E-05	2.29E-04	5.47E-08	2.72E-04	9.98E-07
HHR51	3.03E-08	2.33E-07	3.51E-09	1.63E-05	1.24E-04	4.72E-08	1.47E-04	6.69E-07
HHR52	2.27E-08	2.72E-07	6.31E-09	3.70E-05	4.06E-04	5.93E-08	4.50E-04	2.11E-06
HHR53	3.07E-08	2.68E-07	4.27E-09	2.58E-05	2.49E-04	5.95E-08	2.95E-04	1.13E-06
HHR54	2.33E-08	3.19E-07	6.18E-09	3.98E-05	4.47E-04	5.51E-08	5.12E-04	2.16E-06
HHR55	2.40E-08	1.84E-07	3.86E-09	2.78E-05	2.42E-04	5.79E-08	2.86E-04	1.08E-06
HHR56	2.67E-08	4.32E-07	4.91E-09	4.76E-05	5.91E-04	5.92E-08	7.42E-04	1.73E-06
HHR57	2.71E-08	2.84E-07	4.36E-09	6.63E-05	9.54E-04	6.65E-08	1.32E-03	1.73E-06
HHR58	3.74E-08	2.17E-07	3.36E-09	1.23E-05	7.35E-05	5.45E-08	8.86E-05	5.90E-07
HHR59	3.81E-08	2.24E-07	3.42E-09	1.22E-05	7.18E-05	5.80E-08	8.64E-05	6.33E-07
HHR60	4.41E-08	2.50E-07	3.83E-09	1.45E-05	8.83E-05	6.77E-08	1.07E-04	7.54E-07
HHR61	3.52E-08	2.11E-07	3.34E-09	1.02E-04	3.29E-03	1.16E-07	5.18E-03	2.21E-06
HHR62	4.19E-08	2.95E-07	3.39E-09	1.39E-04	6.01E-03	1.50E-07	9.50E-03	4.00E-06
HHR63	6.42E-08	1.85E-07	3.91E-09	2.54E-04	2.72E-03	8.31E-08	3.94E-03	2.18E-06
HHR64	3.07E-08	1.08E-07	4.40E-09	8.68E-05	1.64E-04	5.48E-08	1.66E-04	1.23E-06
HHR65	7.14E-08	1.89E-07	4.25E-09	3.25E-04	1.95E-03	6.98E-08	2.60E-03	2.07E-06
HHR66	4.30E-08	1.33E-07	3.83E-09	1.46E-05	7.11E-05	8.08E-08	8.03E-05	8.04E-07
HHR67	5.35E-08	1.68E-07	4.42E-09	2.05E-05	1.06E-04	9.39E-08	1.15E-04	9.47E-07

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	5.61E-08	1.49E-07	3.44E-09	4.37E-05	1.99E-04	7.71E-08	2.43E-04	1.01E-06
HHR69	2.41E-08	6.64E-08	2.35E-09	2.73E-05	7.29E-05	4.06E-08	8.08E-05	5.07E-07
HHR70	2.53E-08	7.42E-08	2.60E-09	3.63E-05	8.73E-05	4.37E-08	9.56E-05	5.92E-07
HHR71	3.08E-08	3.20E-07	1.10E-08	2.92E-04	6.19E-04	6.04E-08	5.26E-04	4.69E-06
HHR72	2.80E-08	8.80E-08	2.27E-09	8.10E-06	3.82E-05	4.89E-08	4.23E-05	4.92E-07
HHR73	6.00E-08	1.58E-07	3.66E-09	1.13E-04	4.89E-04	6.10E-08	6.08E-04	1.48E-06
HHR74	3.11E-08	2.58E-07	3.44E-09	1.29E-04	4.95E-04	4.54E-08	4.30E-04	2.72E-06
HHR75	3.62E-08	2.82E-07	4.44E-09	2.10E-04	8.56E-04	6.70E-08	9.70E-04	3.07E-06
HHR76	4.61E-08	2.86E-07	4.17E-09	7.15E-04	6.54E-04	6.52E-08	6.79E-04	2.87E-06
HHR77	4.02E-08	2.62E-07	3.52E-09	9.61E-05	3.55E-04	5.40E-08	3.66E-04	2.50E-06
HHR78	3.21E-08	1.48E-07	5.23E-09	9.55E-05	2.38E-04	5.66E-08	2.22E-04	1.77E-06
HHR79	3.40E-08	2.37E-07	3.59E-09	1.17E-04	4.33E-04	4.90E-08	3.90E-04	2.42E-06
HHR80	2.67E-08	1.66E-07	4.82E-09	1.56E-04	3.82E-04	4.58E-08	4.35E-04	1.77E-06
HHR81	2.98E-08	1.42E-07	3.34E-09	9.01E-05	2.96E-04	4.41E-08	3.25E-04	1.44E-06
HHR82	2.80E-08	1.31E-07	3.42E-09	9.20E-05	2.90E-04	4.30E-08	3.32E-04	1.35E-06
HHR83	2.82E-08	1.34E-07	3.35E-09	8.75E-05	2.84E-04	4.26E-08	3.14E-04	1.38E-06
MPOI	2.60E-07	1.48E-06	3.56E-07	1.22E-02	7.60E-02	6.58E-07	1.31E-01	4.42E-05

Table M2-4: Project Alone Annual Average Ambient Air Concentrations for the Lewis Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	7.26E-09	7.00E-12	6.09E-11	1.25E-07	1.00E-07	1.82E-05	6.35E-07	1.56E-08	8.11E-12
HHR2	7.03E-09	6.98E-12	6.08E-11	1.28E-07	9.97E-08	1.79E-05	6.26E-07	1.55E-08	8.09E-12
HHR3	2.21E-08	1.32E-11	1.15E-10	3.00E-07	1.99E-07	3.97E-05	1.43E-06	3.00E-08	1.53E-11
HHR4	8.42E-09	7.55E-12	6.57E-11	1.29E-07	1.07E-07	2.03E-05	7.02E-07	1.67E-08	8.75E-12
HHR5	1.15E-08	1.25E-11	1.09E-10	2.16E-07	1.77E-07	3.11E-05	1.08E-06	2.77E-08	1.44E-11
HHR6	3.50E-08	2.01E-11	1.75E-10	4.34E-07	2.99E-07	6.28E-05	2.16E-06	4.54E-08	2.33E-11
HHR7	2.40E-09	3.91E-12	3.40E-11	1.01E-07	5.81E-08	8.36E-06	3.05E-07	8.82E-09	4.53E-12
HHR8	3.46E-09	5.47E-12	4.77E-11	1.20E-07	8.19E-08	1.19E-05	4.31E-07	1.24E-08	6.34E-12
HHR9	5.97E-09	6.32E-12	5.50E-11	1.13E-07	9.04E-08	1.58E-05	5.54E-07	1.41E-08	7.32E-12
HHR10	1.16E-08	9.57E-12	8.33E-11	1.62E-07	1.35E-07	2.70E-05	9.17E-07	2.12E-08	1.11E-11
HHR11	6.82E-09	7.40E-12	6.44E-11	1.56E-07	1.10E-07	1.81E-05	6.44E-07	1.67E-08	8.57E-12
HHR12	6.05E-09	7.49E-12	6.52E-11	1.42E-07	1.08E-07	1.77E-05	6.25E-07	1.67E-08	8.68E-12
HHR13	7.20E-09	7.68E-12	6.69E-11	1.61E-07	1.14E-07	1.89E-05	6.71E-07	1.73E-08	8.90E-12
HHR14	6.22E-09	6.70E-12	5.83E-11	1.33E-07	9.80E-08	1.67E-05	5.88E-07	1.50E-08	7.76E-12
HHR15	4.86E-09	1.03E-11	8.97E-11	3.05E-07	1.65E-07	1.95E-05	7.44E-07	2.38E-08	1.19E-11
HHR16	4.67E-09	6.31E-12	5.49E-11	1.37E-07	9.42E-08	1.43E-05	5.16E-07	1.43E-08	7.30E-12
HHR17	3.81E-09	4.70E-12	4.09E-11	1.09E-07	7.13E-08	1.10E-05	3.99E-07	1.07E-08	5.44E-12
HHR18	5.53E-09	6.46E-12	5.62E-11	1.40E-07	9.63E-08	1.53E-05	5.49E-07	1.46E-08	7.48E-12
HHR19	8.24E-09	7.90E-12	6.88E-11	1.73E-07	1.18E-07	2.04E-05	7.19E-07	1.79E-08	9.15E-12
HHR20	7.00E-09	7.24E-12	6.31E-11	1.57E-07	1.08E-07	1.79E-05	6.37E-07	1.64E-08	8.39E-12
HHR21	7.05E-09	7.58E-12	6.60E-11	1.60E-07	1.12E-07	1.86E-05	6.60E-07	1.71E-08	8.78E-12
HHR22	1.18E-08	9.01E-12	7.84E-11	1.86E-07	1.33E-07	2.67E-05	9.04E-07	2.03E-08	1.04E-11
HHR23	8.08E-09	7.70E-12	6.70E-11	1.31E-07	1.09E-07	2.01E-05	7.00E-07	1.71E-08	8.92E-12
HHR24	6.71E-09	7.57E-12	6.59E-11	1.35E-07	1.08E-07	1.84E-05	6.46E-07	1.68E-08	8.77E-12
HHR25	1.55E-08	1.27E-11	1.10E-10	2.57E-07	1.86E-07	3.55E-05	1.21E-06	2.85E-08	1.47E-11
HHR26	1.29E-08	1.30E-11	1.13E-10	2.64E-07	1.91E-07	3.26E-05	1.17E-06	2.92E-08	1.51E-11
HHR27	1.22E-08	1.07E-11	9.35E-11	2.24E-07	1.53E-07	2.78E-05	1.00E-06	2.38E-08	1.24E-11
HHR28	5.65E-09	6.71E-12	5.84E-11	1.50E-07	9.93E-08	1.60E-05	5.72E-07	1.51E-08	7.77E-12
HHR29	1.11E-09	2.16E-12	1.88E-11	5.53E-08	3.36E-08	4.45E-06	1.64E-07	4.95E-09	2.50E-12
HHR30	7.93E-09	7.89E-12	6.87E-11	1.41E-07	1.13E-07	1.99E-05	6.91E-07	1.75E-08	9.14E-12
HHR31	8.30E-10	1.64E-12	1.43E-11	4.29E-08	2.56E-08	3.36E-06	1.24E-07	3.76E-09	1.90E-12
HHR32	1.72E-09	3.23E-12	2.81E-11	7.98E-08	4.98E-08	6.70E-06	2.47E-07	7.38E-09	3.74E-12
HHR33	2.92E-09	4.85E-12	4.22E-11	1.10E-07	7.31E-08	1.04E-05	3.78E-07	1.10E-08	5.61E-12

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR34	4.46E-09	6.16E-12	5.36E-11	1.32E-07	9.16E-08	1.39E-05	5.01E-07	1.39E-08	7.13E-12
HHR35	2.60E-09	4.43E-12	3.86E-11	9.95E-08	6.67E-08	9.43E-06	3.43E-07	1.00E-08	5.13E-12
HHR36	5.08E-09	6.91E-12	6.02E-11	1.37E-07	1.01E-07	1.58E-05	5.63E-07	1.55E-08	8.01E-12
HHR37	8.79E-09	9.07E-12	7.90E-11	1.61E-07	1.30E-07	2.25E-05	7.81E-07	2.02E-08	1.05E-11
HHR38	2.51E-09	4.45E-12	3.87E-11	1.02E-07	6.72E-08	9.36E-06	3.42E-07	1.01E-08	5.15E-12
HHR39	4.36E-09	5.18E-12	4.51E-11	1.20E-07	7.85E-08	1.23E-05	4.45E-07	1.18E-08	6.00E-12
HHR40	4.06E-09	4.94E-12	4.30E-11	1.15E-07	7.50E-08	1.17E-05	4.21E-07	1.12E-08	5.72E-12
HHR41	3.97E-09	4.81E-12	4.19E-11	1.12E-07	7.29E-08	1.14E-05	4.10E-07	1.09E-08	5.57E-12
HHR42	4.71E-09	6.31E-12	5.50E-11	1.38E-07	9.44E-08	1.43E-05	5.18E-07	1.43E-08	7.31E-12
HHR43	8.42E-09	7.59E-12	6.61E-11	1.32E-07	1.08E-07	2.04E-05	7.05E-07	1.69E-08	8.79E-12
HHR44	8.75E-09	7.74E-12	6.74E-11	1.35E-07	1.10E-07	2.10E-05	7.25E-07	1.72E-08	8.96E-12
HHR45	6.90E-09	7.53E-12	6.56E-11	1.81E-07	1.15E-07	1.81E-05	6.45E-07	1.72E-08	8.72E-12
HHR46	2.45E-08	1.68E-11	1.46E-10	3.30E-07	2.42E-07	5.14E-05	1.74E-06	3.75E-08	1.95E-11
HHR47	2.79E-08	1.65E-11	1.44E-10	3.29E-07	2.42E-07	5.69E-05	1.86E-06	3.71E-08	1.92E-11
HHR48	4.19E-09	5.04E-12	4.39E-11	1.17E-07	7.64E-08	1.19E-05	4.31E-07	1.15E-08	5.84E-12
HHR49	3.75E-08	2.14E-11	1.87E-10	4.63E-07	3.20E-07	7.15E-05	2.36E-06	4.84E-08	2.48E-11
HHR50	3.94E-08	2.65E-11	2.31E-10	4.74E-07	3.76E-07	8.63E-05	2.76E-06	5.88E-08	3.07E-11
HHR51	4.69E-08	4.42E-11	3.85E-10	1.01E-06	6.67E-07	1.04E-04	3.75E-06	1.00E-07	5.12E-11
HHR52	1.22E-08	8.71E-12	7.59E-11	1.65E-07	1.24E-07	2.66E-05	8.93E-07	1.94E-08	1.01E-11
HHR53	2.78E-08	1.70E-11	1.48E-10	3.39E-07	2.49E-07	5.69E-05	1.87E-06	3.81E-08	1.97E-11
HHR54	1.30E-08	9.85E-12	8.58E-11	1.79E-07	1.39E-07	2.91E-05	9.83E-07	2.18E-08	1.14E-11
HHR55	3.29E-08	3.36E-11	2.92E-10	5.42E-07	4.71E-07	8.81E-05	2.97E-06	7.42E-08	3.89E-11
HHR56	1.44E-08	1.48E-11	1.29E-10	2.70E-07	2.11E-07	3.78E-05	1.30E-06	3.29E-08	1.72E-11
HHR57	1.52E-08	1.57E-11	1.37E-10	2.58E-07	2.21E-07	4.00E-05	1.37E-06	3.48E-08	1.82E-11
HHR58	2.93E-08	2.82E-11	2.45E-10	6.01E-07	4.06E-07	6.92E-05	2.56E-06	6.28E-08	3.26E-11
HHR59	2.60E-08	2.61E-11	2.28E-10	5.51E-07	3.81E-07	6.33E-05	2.34E-06	5.86E-08	3.03E-11
HHR60	2.79E-08	2.37E-11	2.06E-10	4.78E-07	3.43E-07	6.20E-05	2.26E-06	5.30E-08	2.74E-11
HHR61	1.37E-08	1.50E-11	1.30E-10	2.54E-07	2.12E-07	3.76E-05	1.30E-06	3.32E-08	1.73E-11
HHR62	1.28E-08	1.36E-11	1.18E-10	2.40E-07	1.94E-07	3.43E-05	1.19E-06	3.03E-08	1.58E-11
HHR63	6.23E-09	6.84E-12	5.96E-11	1.30E-07	9.91E-08	1.69E-05	5.95E-07	1.53E-08	7.92E-12
HHR64	8.10E-09	7.72E-12	6.72E-11	1.71E-07	1.16E-07	2.01E-05	7.12E-07	1.75E-08	8.94E-12
HHR65	7.04E-09	6.75E-12	5.88E-11	1.29E-07	9.79E-08	1.77E-05	6.16E-07	1.51E-08	7.82E-12
HHR66	1.09E-08	1.25E-11	1.09E-10	2.83E-07	1.84E-07	2.95E-05	1.07E-06	2.80E-08	1.45E-11
HHR67	1.73E-08	1.65E-11	1.43E-10	3.21E-07	2.38E-07	4.19E-05	1.50E-06	3.68E-08	1.91E-11

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR68	1.13E-08	9.92E-12	8.64E-11	2.12E-07	1.48E-07	2.67E-05	9.26E-07	2.24E-08	1.15E-11
HHR69	4.18E-09	4.96E-12	4.32E-11	1.16E-07	7.54E-08	1.18E-05	4.26E-07	1.13E-08	5.75E-12
HHR70	4.42E-09	5.18E-12	4.51E-11	1.20E-07	7.85E-08	1.24E-05	4.46E-07	1.18E-08	6.00E-12
HHR71	6.21E-09	6.73E-12	5.86E-11	1.47E-07	1.00E-07	1.64E-05	5.87E-07	1.52E-08	7.80E-12
HHR72	5.19E-09	1.03E-11	8.98E-11	2.59E-07	1.60E-07	2.06E-05	7.78E-07	2.36E-08	1.19E-11
HHR73	1.35E-08	1.01E-11	8.76E-11	2.01E-07	1.47E-07	3.03E-05	1.02E-06	2.26E-08	1.17E-11
HHR74	5.76E-09	6.57E-12	5.72E-11	1.41E-07	9.78E-08	1.56E-05	5.62E-07	1.48E-08	7.61E-12
HHR75	7.48E-09	8.38E-12	7.29E-11	1.55E-07	1.21E-07	2.06E-05	7.23E-07	1.87E-08	9.70E-12
HHR76	1.80E-08	1.73E-11	1.50E-10	2.91E-07	2.43E-07	4.54E-05	1.53E-06	3.82E-08	2.00E-11
HHR77	8.41E-09	8.33E-12	7.25E-11	1.74E-07	1.23E-07	2.12E-05	7.48E-07	1.88E-08	9.65E-12
HHR78	9.26E-09	8.49E-12	7.39E-11	1.86E-07	1.27E-07	2.24E-05	7.94E-07	1.92E-08	9.83E-12
HHR79	6.48E-09	7.01E-12	6.11E-11	1.50E-07	1.04E-07	1.70E-05	6.08E-07	1.58E-08	8.12E-12
HHR80	3.90E-09	5.89E-12	5.13E-11	1.24E-07	8.72E-08	1.29E-05	4.67E-07	1.33E-08	6.82E-12
HHR81	5.56E-09	6.86E-12	5.97E-11	1.49E-07	1.02E-07	1.60E-05	5.76E-07	1.55E-08	7.94E-12
HHR82	5.76E-09	7.18E-12	6.25E-11	1.54E-07	1.07E-07	1.66E-05	5.98E-07	1.62E-08	8.31E-12
HHR83	5.32E-09	6.73E-12	5.86E-11	1.48E-07	1.01E-07	1.56E-05	5.62E-07	1.52E-08	7.79E-12
MPOI	1.25E-05	1.64E-09	1.43E-08	1.91E-05	2.19E-05	1.10E-02	4.26E-04	3.57E-06	1.91E-09

Table M2-4: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	9.58E-12	2.45E-09	5.25E-10	1.37E-09	1.74E-11	8.57E-08	1.02E-07	9.58E-12
HHR2	9.55E-12	2.37E-09	5.23E-10	1.37E-09	1.81E-11	8.55E-08	1.02E-07	1.00E-11
HHR3	1.88E-11	4.84E-09	1.02E-09	2.67E-09	4.34E-11	1.66E-07	2.22E-07	2.45E-11
HHR4	1.03E-11	2.86E-09	5.64E-10	1.48E-09	1.80E-11	9.21E-08	1.07E-07	9.86E-12
HHR5	1.70E-11	4.28E-09	9.32E-10	2.44E-09	3.01E-11	1.52E-07	1.77E-07	1.65E-11
HHR6	2.84E-11	9.72E-09	1.54E-09	4.03E-09	6.25E-11	2.51E-07	3.33E-07	3.51E-11
HHR7	5.51E-12	8.14E-10	2.99E-10	7.83E-10	1.51E-11	4.88E-08	7.18E-08	8.68E-12
HHR8	7.75E-12	1.26E-09	4.20E-10	1.10E-09	1.73E-11	6.86E-08	9.01E-08	9.76E-12
HHR9	8.66E-12	2.01E-09	4.74E-10	1.24E-09	1.59E-11	7.74E-08	9.12E-08	8.72E-12
HHR10	1.30E-11	4.15E-09	7.14E-10	1.87E-09	2.25E-11	1.17E-07	1.39E-07	1.23E-11
HHR11	1.04E-11	2.25E-09	5.65E-10	1.48E-09	2.25E-11	9.23E-08	1.21E-07	1.26E-11
HHR12	1.03E-11	2.16E-09	5.65E-10	1.48E-09	2.02E-11	9.23E-08	1.11E-07	1.13E-11
HHR13	1.08E-11	2.39E-09	5.86E-10	1.54E-09	2.32E-11	9.58E-08	1.25E-07	1.30E-11
HHR14	9.33E-12	2.11E-09	5.08E-10	1.33E-09	1.89E-11	8.30E-08	1.05E-07	1.05E-11
HHR15	1.53E-11	1.42E-09	8.16E-10	2.14E-09	4.58E-11	1.33E-07	2.14E-07	2.64E-11
HHR16	8.92E-12	1.54E-09	4.83E-10	1.27E-09	1.98E-11	7.90E-08	1.04E-07	1.12E-11
HHR17	6.72E-12	1.22E-09	3.63E-10	9.50E-10	1.59E-11	5.93E-08	8.25E-08	9.03E-12
HHR18	9.12E-12	1.80E-09	4.95E-10	1.29E-09	2.01E-11	8.08E-08	1.07E-07	1.13E-11
HHR19	1.12E-11	2.67E-09	6.06E-10	1.59E-09	2.49E-11	9.90E-08	1.34E-07	1.40E-11
HHR20	1.02E-11	2.27E-09	5.55E-10	1.45E-09	2.26E-11	9.06E-08	1.21E-07	1.27E-11
HHR21	1.07E-11	2.33E-09	5.79E-10	1.51E-09	2.29E-11	9.45E-08	1.24E-07	1.28E-11
HHR22	1.26E-11	4.30E-09	6.86E-10	1.80E-09	2.67E-11	1.12E-07	1.56E-07	1.49E-11
HHR23	1.05E-11	2.72E-09	5.74E-10	1.50E-09	1.88E-11	9.38E-08	1.08E-07	1.06E-11
HHR24	1.04E-11	2.33E-09	5.67E-10	1.49E-09	1.95E-11	9.27E-08	1.08E-07	1.10E-11
HHR25	1.77E-11	5.56E-09	9.63E-10	2.52E-09	3.69E-11	1.57E-07	2.12E-07	2.07E-11
HHR26	1.81E-11	3.75E-09	9.88E-10	2.59E-09	3.82E-11	1.61E-07	2.02E-07	2.15E-11
HHR27	1.46E-11	3.10E-09	8.03E-10	2.10E-09	3.25E-11	1.31E-07	1.64E-07	1.84E-11
HHR28	9.42E-12	1.86E-09	5.12E-10	1.34E-09	2.19E-11	8.36E-08	1.10E-07	1.24E-11
HHR29	3.15E-12	4.08E-10	1.69E-10	4.42E-10	8.14E-12	2.76E-08	4.01E-08	4.64E-12
HHR30	1.08E-11	2.72E-09	5.91E-10	1.55E-09	2.00E-11	9.66E-08	1.12E-07	1.13E-11
HHR31	2.40E-12	3.04E-10	1.29E-10	3.36E-10	6.35E-12	2.10E-08	3.11E-08	3.64E-12
HHR32	4.68E-12	6.30E-10	2.52E-10	6.59E-10	1.17E-11	4.11E-08	5.83E-08	6.66E-12
HHR33	6.90E-12	1.06E-09	3.73E-10	9.77E-10	1.60E-11	6.10E-08	8.20E-08	9.03E-12

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	8.68E-12	1.49E-09	4.71E-10	1.23E-09	1.90E-11	7.69E-08	9.98E-08	1.07E-11
HHR35	6.30E-12	9.44E-10	3.41E-10	8.93E-10	1.44E-11	5.57E-08	7.40E-08	8.13E-12
HHR36	9.62E-12	1.84E-09	5.24E-10	1.37E-09	1.95E-11	8.56E-08	1.06E-07	1.09E-11
HHR37	1.24E-11	3.07E-09	6.80E-10	1.78E-09	2.26E-11	1.11E-07	1.31E-07	1.24E-11
HHR38	6.35E-12	9.10E-10	3.43E-10	8.98E-10	1.48E-11	5.61E-08	7.53E-08	8.36E-12
HHR39	7.41E-12	1.39E-09	4.00E-10	1.05E-09	1.75E-11	6.54E-08	9.08E-08	9.88E-12
HHR40	7.07E-12	1.29E-09	3.82E-10	9.99E-10	1.67E-11	6.24E-08	8.68E-08	9.48E-12
HHR41	6.88E-12	1.27E-09	3.72E-10	9.73E-10	1.62E-11	6.07E-08	8.43E-08	9.19E-12
HHR42	8.94E-12	1.55E-09	4.84E-10	1.27E-09	2.00E-11	7.91E-08	1.04E-07	1.12E-11
HHR43	1.03E-11	2.87E-09	5.68E-10	1.49E-09	1.83E-11	9.27E-08	1.10E-07	1.00E-11
HHR44	1.06E-11	2.99E-09	5.79E-10	1.52E-09	1.88E-11	9.45E-08	1.12E-07	1.03E-11
HHR45	1.08E-11	2.18E-09	5.84E-10	1.53E-09	2.64E-11	9.53E-08	1.32E-07	1.50E-11
HHR46	2.32E-11	8.31E-09	1.27E-09	3.32E-09	4.71E-11	2.07E-07	2.67E-07	2.63E-11
HHR47	2.30E-11	1.06E-08	1.25E-09	3.28E-09	4.69E-11	2.05E-07	2.94E-07	2.61E-11
HHR48	7.21E-12	1.33E-09	3.89E-10	1.02E-09	1.71E-11	6.36E-08	8.86E-08	9.66E-12
HHR49	3.03E-11	1.30E-08	1.64E-09	4.30E-09	6.68E-11	2.68E-07	3.62E-07	3.75E-11
HHR50	3.61E-11	1.70E-08	1.98E-09	5.18E-09	6.66E-11	3.23E-07	4.23E-07	3.67E-11
HHR51	6.30E-11	1.42E-08	3.41E-09	8.92E-09	1.46E-10	5.56E-07	7.64E-07	8.27E-11
HHR52	1.19E-11	4.35E-09	6.52E-10	1.71E-09	2.36E-11	1.06E-07	1.33E-07	1.32E-11
HHR53	2.37E-11	1.05E-08	1.29E-09	3.38E-09	4.83E-11	2.11E-07	2.98E-07	2.69E-11
HHR54	1.34E-11	4.61E-09	7.35E-10	1.92E-09	2.56E-11	1.20E-07	1.46E-07	1.43E-11
HHR55	4.53E-11	1.35E-08	2.49E-09	6.53E-09	7.46E-11	4.07E-07	4.65E-07	4.09E-11
HHR56	2.02E-11	5.29E-09	1.11E-09	2.90E-09	3.91E-11	1.81E-07	2.15E-07	2.21E-11
HHR57	2.13E-11	5.87E-09	1.17E-09	3.06E-09	3.57E-11	1.91E-07	2.17E-07	1.97E-11
HHR58	3.88E-11	6.56E-09	2.12E-09	5.55E-09	8.76E-11	3.46E-07	4.43E-07	4.97E-11
HHR59	3.63E-11	5.96E-09	1.98E-09	5.18E-09	8.04E-11	3.23E-07	4.03E-07	4.56E-11
HHR60	3.28E-11	6.69E-09	1.79E-09	4.68E-09	7.04E-11	2.92E-07	3.59E-07	4.01E-11
HHR61	2.04E-11	5.21E-09	1.12E-09	2.93E-09	3.69E-11	1.83E-07	2.09E-07	2.09E-11
HHR62	1.86E-11	4.71E-09	1.02E-09	2.67E-09	3.50E-11	1.66E-07	1.96E-07	1.98E-11
HHR63	9.46E-12	2.13E-09	5.17E-10	1.35E-09	1.86E-11	8.44E-08	1.03E-07	1.04E-11
HHR64	1.09E-11	2.53E-09	5.92E-10	1.55E-09	2.48E-11	9.68E-08	1.33E-07	1.40E-11
HHR65	9.34E-12	2.39E-09	5.10E-10	1.33E-09	1.84E-11	8.33E-08	1.04E-07	1.03E-11
HHR66	1.74E-11	3.04E-09	9.49E-10	2.48E-09	4.13E-11	1.55E-07	2.07E-07	2.34E-11
HHR67	2.27E-11	4.84E-09	1.24E-09	3.25E-09	4.60E-11	2.03E-07	2.46E-07	2.58E-11

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	1.40E-11	3.81E-09	7.59E-10	1.99E-09	3.06E-11	1.24E-07	1.67E-07	1.72E-11
HHR69	7.11E-12	1.32E-09	3.84E-10	1.00E-09	1.69E-11	6.27E-08	8.77E-08	9.57E-12
HHR70	7.40E-12	1.40E-09	4.00E-10	1.05E-09	1.75E-11	6.53E-08	9.09E-08	9.88E-12
HHR71	9.52E-12	2.01E-09	5.16E-10	1.35E-09	2.12E-11	8.43E-08	1.13E-07	1.19E-11
HHR72	1.50E-11	1.57E-09	8.05E-10	2.11E-09	3.81E-11	1.31E-07	1.86E-07	2.17E-11
HHR73	1.40E-11	5.01E-09	7.64E-10	2.00E-09	2.86E-11	1.25E-07	1.71E-07	1.59E-11
HHR74	9.26E-12	1.87E-09	5.03E-10	1.32E-09	2.03E-11	8.21E-08	1.08E-07	1.14E-11
HHR75	1.15E-11	2.67E-09	6.31E-10	1.65E-09	2.18E-11	1.03E-07	1.24E-07	1.22E-11
HHR76	2.34E-11	7.44E-09	1.29E-09	3.37E-09	4.08E-11	2.10E-07	2.44E-07	2.27E-11
HHR77	1.17E-11	2.84E-09	6.35E-10	1.66E-09	2.50E-11	1.04E-07	1.37E-07	1.40E-11
HHR78	1.20E-11	2.89E-09	6.51E-10	1.70E-09	2.70E-11	1.06E-07	1.45E-07	1.53E-11
HHR79	9.89E-12	2.11E-09	5.37E-10	1.40E-09	2.16E-11	8.77E-08	1.16E-07	1.22E-11
HHR80	8.27E-12	1.37E-09	4.49E-10	1.18E-09	1.78E-11	7.34E-08	9.35E-08	9.96E-12
HHR81	9.69E-12	1.83E-09	5.26E-10	1.38E-09	2.15E-11	8.58E-08	1.14E-07	1.21E-11
HHR82	1.01E-11	1.90E-09	5.49E-10	1.44E-09	2.21E-11	8.97E-08	1.17E-07	1.24E-11
HHR83	9.52E-12	1.74E-09	5.16E-10	1.35E-09	2.13E-11	8.43E-08	1.12E-07	1.20E-11
MPOI	2.14E-09	2.66E-06	1.19E-07	3.12E-07	2.42E-09	1.95E-05	2.40E-05	1.22E-09

Table M2-4: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	9.54E-12	1.09E-11	8.67E-12	1.74E-10	5.82E-08	2.01E-10	1.54E-11
HHR2	9.85E-12	1.13E-11	8.99E-12	1.73E-10	5.63E-08	2.05E-10	1.63E-11
HHR3	2.33E-11	2.69E-11	2.15E-11	3.37E-10	1.78E-07	4.72E-10	4.07E-11
HHR4	9.84E-12	1.12E-11	8.94E-12	1.86E-10	6.75E-08	2.07E-10	1.58E-11
HHR5	1.65E-11	1.88E-11	1.50E-11	3.08E-10	9.22E-08	3.49E-10	2.70E-11
HHR6	3.36E-11	3.88E-11	3.10E-11	5.09E-10	2.81E-07	6.86E-10	5.80E-11
HHR7	7.95E-12	9.30E-12	7.43E-12	9.89E-11	1.90E-08	1.57E-10	1.47E-11
HHR8	9.31E-12	1.08E-11	8.58E-12	1.39E-10	2.74E-08	1.90E-10	1.61E-11
HHR9	8.67E-12	9.91E-12	7.89E-12	1.57E-10	4.78E-08	1.82E-10	1.40E-11
HHR10	1.23E-11	1.41E-11	1.12E-11	2.36E-10	9.32E-08	2.61E-10	1.98E-11
HHR11	1.21E-11	1.40E-11	1.11E-11	1.87E-10	5.44E-08	2.48E-10	2.08E-11
HHR12	1.09E-11	1.26E-11	1.00E-11	1.87E-10	4.83E-08	2.26E-10	1.88E-11
HHR13	1.25E-11	1.44E-11	1.15E-11	1.94E-10	5.74E-08	2.56E-10	2.14E-11
HHR14	1.02E-11	1.18E-11	9.39E-12	1.68E-10	4.96E-08	2.12E-10	1.72E-11
HHR15	2.41E-11	2.82E-11	2.25E-11	2.70E-10	3.79E-08	4.71E-10	4.50E-11
HHR16	1.07E-11	1.23E-11	9.82E-12	1.60E-10	3.71E-08	2.17E-10	1.84E-11
HHR17	8.52E-12	9.88E-12	7.88E-12	1.20E-10	3.01E-08	1.72E-10	1.50E-11
HHR18	1.08E-11	1.25E-11	9.96E-12	1.64E-10	4.40E-08	2.21E-10	1.87E-11
HHR19	1.34E-11	1.55E-11	1.24E-11	2.01E-10	6.57E-08	2.73E-10	2.32E-11
HHR20	1.21E-11	1.40E-11	1.12E-11	1.84E-10	5.58E-08	2.48E-10	2.10E-11
HHR21	1.23E-11	1.42E-11	1.14E-11	1.91E-10	5.62E-08	2.53E-10	2.12E-11
HHR22	1.44E-11	1.66E-11	1.32E-11	2.27E-10	9.43E-08	2.96E-10	2.45E-11
HHR23	1.02E-11	1.17E-11	9.34E-12	1.90E-10	6.48E-08	2.11E-10	1.74E-11
HHR24	1.05E-11	1.21E-11	9.64E-12	1.88E-10	5.38E-08	2.16E-10	1.84E-11
HHR25	1.99E-11	2.29E-11	1.83E-11	3.19E-10	1.24E-07	4.08E-10	3.40E-11
HHR26	2.05E-11	2.37E-11	1.89E-11	3.27E-10	1.03E-07	4.18E-10	3.56E-11
HHR27	1.74E-11	2.02E-11	1.61E-11	2.66E-10	9.76E-08	3.52E-10	3.06E-11
HHR28	1.17E-11	1.36E-11	1.08E-11	1.69E-10	4.49E-08	2.36E-10	2.07E-11
HHR29	4.32E-12	5.03E-12	4.02E-12	5.59E-11	8.65E-09	8.63E-11	7.80E-12
HHR30	1.08E-11	1.24E-11	9.91E-12	1.96E-10	6.35E-08	2.26E-10	1.86E-11
HHR31	3.37E-12	3.93E-12	3.14E-12	4.25E-11	6.43E-09	6.69E-11	6.16E-12
HHR32	6.23E-12	7.24E-12	5.78E-12	8.32E-11	1.34E-08	1.25E-10	1.12E-11
HHR33	8.57E-12	9.92E-12	7.91E-12	1.24E-10	2.30E-08	1.74E-10	1.50E-11

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	1.02E-11	1.18E-11	9.41E-12	1.56E-10	3.55E-08	2.09E-10	1.76E-11
HHR35	7.73E-12	8.94E-12	7.13E-12	1.13E-10	2.05E-08	1.57E-10	1.35E-11
HHR36	1.06E-11	1.21E-11	9.68E-12	1.73E-10	4.05E-08	2.18E-10	1.78E-11
HHR37	1.23E-11	1.41E-11	1.12E-11	2.25E-10	7.05E-08	2.60E-10	2.03E-11
HHR38	7.92E-12	9.17E-12	7.32E-12	1.14E-10	1.97E-08	1.60E-10	1.39E-11
HHR39	9.34E-12	1.08E-11	8.64E-12	1.32E-10	3.46E-08	1.89E-10	1.64E-11
HHR40	8.95E-12	1.04E-11	8.28E-12	1.26E-10	3.21E-08	1.81E-10	1.58E-11
HHR41	8.69E-12	1.01E-11	8.04E-12	1.23E-10	3.14E-08	1.76E-10	1.53E-11
HHR42	1.07E-11	1.24E-11	9.88E-12	1.60E-10	3.74E-08	2.18E-10	1.86E-11
HHR43	1.00E-11	1.15E-11	9.12E-12	1.88E-10	6.75E-08	2.12E-10	1.60E-11
HHR44	1.03E-11	1.17E-11	9.35E-12	1.92E-10	7.02E-08	2.17E-10	1.65E-11
HHR45	1.41E-11	1.64E-11	1.31E-11	1.93E-10	5.51E-08	2.83E-10	2.51E-11
HHR46	2.54E-11	2.93E-11	2.33E-11	4.19E-10	1.97E-07	5.24E-10	4.30E-11
HHR47	2.54E-11	2.92E-11	2.33E-11	4.15E-10	2.24E-07	5.25E-10	4.27E-11
HHR48	9.13E-12	1.06E-11	8.44E-12	1.29E-10	3.31E-08	1.84E-10	1.61E-11
HHR49	3.59E-11	4.14E-11	3.31E-11	5.43E-10	3.01E-07	7.33E-10	6.19E-11
HHR50	3.63E-11	4.15E-11	3.31E-11	6.55E-10	3.17E-07	7.62E-10	5.91E-11
HHR51	7.84E-11	9.07E-11	7.24E-11	1.13E-09	3.76E-07	1.59E-09	1.37E-10
HHR52	1.27E-11	1.46E-11	1.17E-11	2.16E-10	9.81E-08	2.61E-10	2.16E-11
HHR53	2.61E-11	3.01E-11	2.40E-11	4.27E-10	2.23E-07	5.39E-10	4.41E-11
HHR54	1.38E-11	1.59E-11	1.27E-11	2.43E-10	1.05E-07	2.85E-10	2.34E-11
HHR55	4.11E-11	4.66E-11	3.71E-11	8.25E-10	2.64E-07	8.81E-10	6.68E-11
HHR56	2.10E-11	2.43E-11	1.94E-11	3.67E-10	1.16E-07	4.25E-10	3.67E-11
HHR57	1.96E-11	2.23E-11	1.78E-11	3.87E-10	1.22E-07	4.19E-10	3.23E-11
HHR58	4.68E-11	5.43E-11	4.33E-11	7.01E-10	2.35E-07	9.43E-10	8.28E-11
HHR59	4.29E-11	4.98E-11	3.97E-11	6.55E-10	2.07E-07	8.64E-10	7.60E-11
HHR60	3.74E-11	4.35E-11	3.47E-11	5.92E-10	2.23E-07	7.52E-10	6.74E-11
HHR61	1.97E-11	2.29E-11	1.82E-11	3.70E-10	1.09E-07	4.10E-10	3.48E-11
HHR62	1.87E-11	2.17E-11	1.73E-11	3.37E-10	1.03E-07	3.85E-10	3.30E-11
HHR63	1.00E-11	1.15E-11	9.21E-12	1.71E-10	4.97E-08	2.08E-10	1.73E-11
HHR64	1.33E-11	1.54E-11	1.23E-11	1.96E-10	6.45E-08	2.69E-10	2.33E-11
HHR65	9.95E-12	1.15E-11	9.14E-12	1.69E-10	5.63E-08	2.06E-10	1.71E-11
HHR66	2.20E-11	2.56E-11	2.04E-11	3.14E-10	8.70E-08	4.44E-10	3.91E-11
HHR67	2.48E-11	2.86E-11	2.28E-11	4.11E-10	1.39E-07	5.09E-10	4.26E-11

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	1.64E-11	1.90E-11	1.51E-11	2.51E-10	9.00E-08	3.36E-10	2.83E-11
HHR69	9.04E-12	1.05E-11	8.36E-12	1.27E-10	3.31E-08	1.82E-10	1.59E-11
HHR70	9.34E-12	1.08E-11	8.63E-12	1.32E-10	3.50E-08	1.89E-10	1.64E-11
HHR71	1.14E-11	1.32E-11	1.05E-11	1.71E-10	4.94E-08	2.32E-10	1.98E-11
HHR72	2.03E-11	2.36E-11	1.88E-11	2.66E-10	4.04E-08	4.05E-10	3.64E-11
HHR73	1.55E-11	1.78E-11	1.42E-11	2.53E-10	1.08E-07	3.20E-10	2.61E-11
HHR74	1.09E-11	1.26E-11	1.01E-11	1.66E-10	4.59E-08	2.23E-10	1.88E-11
HHR75	1.19E-11	1.36E-11	1.08E-11	2.09E-10	5.98E-08	2.48E-10	2.02E-11
HHR76	2.23E-11	2.54E-11	2.03E-11	4.26E-10	1.45E-07	4.67E-10	3.70E-11
HHR77	1.35E-11	1.55E-11	1.24E-11	2.10E-10	6.71E-08	2.76E-10	2.31E-11
HHR78	1.45E-11	1.68E-11	1.34E-11	2.15E-10	7.38E-08	2.94E-10	2.54E-11
HHR79	1.16E-11	1.34E-11	1.07E-11	1.78E-10	5.16E-08	2.38E-10	2.00E-11
HHR80	9.58E-12	1.10E-11	8.81E-12	1.49E-10	3.10E-08	1.96E-10	1.64E-11
HHR81	1.16E-11	1.34E-11	1.07E-11	1.74E-10	4.43E-08	2.36E-10	2.00E-11
HHR82	1.19E-11	1.37E-11	1.10E-11	1.82E-10	4.59E-08	2.43E-10	2.05E-11
HHR83	1.14E-11	1.32E-11	1.05E-11	1.71E-10	4.23E-08	2.33E-10	1.98E-11
MPOI	1.40E-09	1.54E-09	1.22E-09	3.94E-08	1.01E-04	3.24E-08	1.76E-09

Table M2-4: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	3.69E-09	6.45E-09	1.24E-11	1.86E-08	7.49E-11	2.31E-11	1.43E-06	6.52E-07	1.81E-08
HHR2	3.68E-09	6.43E-09	1.35E-11	1.88E-08	7.52E-11	2.31E-11	1.44E-06	6.30E-07	1.75E-08
HHR3	7.04E-09	1.24E-08	3.43E-11	4.27E-08	1.62E-10	4.37E-11	3.14E-06	1.19E-06	4.96E-08
HHR4	3.97E-09	6.94E-09	1.28E-11	1.93E-08	7.87E-11	2.49E-11	1.50E-06	7.49E-07	2.11E-08
HHR5	6.56E-09	1.15E-08	2.25E-11	3.22E-08	1.32E-10	4.12E-11	2.50E-06	1.14E-06	2.95E-08
HHR6	1.07E-08	1.87E-08	4.85E-11	6.26E-08	2.40E-10	6.64E-11	4.62E-06	2.51E-06	8.38E-08
HHR7	2.08E-09	3.64E-09	1.27E-11	1.40E-08	5.01E-11	1.29E-11	9.81E-07	2.40E-07	5.76E-09
HHR8	2.91E-09	5.10E-09	1.35E-11	1.71E-08	6.59E-11	1.81E-11	1.27E-06	3.75E-07	8.49E-09
HHR9	3.33E-09	5.82E-09	1.14E-11	1.68E-08	6.79E-11	2.09E-11	1.30E-06	5.36E-07	1.48E-08
HHR10	5.03E-09	8.79E-09	1.60E-11	2.46E-08	9.95E-11	3.16E-11	1.89E-06	1.10E-06	2.98E-08
HHR11	3.93E-09	6.89E-09	1.73E-11	2.27E-08	8.72E-11	2.44E-11	1.68E-06	6.27E-07	1.67E-08
HHR12	3.96E-09	6.92E-09	1.61E-11	2.06E-08	8.27E-11	2.47E-11	1.58E-06	5.91E-07	1.51E-08
HHR13	4.08E-09	7.15E-09	1.79E-11	2.34E-08	9.02E-11	2.54E-11	1.74E-06	6.60E-07	1.77E-08
HHR14	3.55E-09	6.21E-09	1.42E-11	1.94E-08	7.61E-11	2.21E-11	1.46E-06	5.84E-07	1.54E-08
HHR15	5.53E-09	9.76E-09	3.91E-11	4.20E-08	1.49E-10	3.40E-11	2.92E-06	5.39E-07	1.07E-08
HHR16	3.35E-09	5.88E-09	1.54E-11	1.97E-08	7.57E-11	2.08E-11	1.46E-06	4.48E-07	1.13E-08
HHR17	2.50E-09	4.40E-09	1.27E-11	1.56E-08	5.87E-11	1.55E-11	1.14E-06	3.63E-07	9.09E-09
HHR18	3.43E-09	6.02E-09	1.56E-11	2.01E-08	7.71E-11	2.13E-11	1.49E-06	5.12E-07	1.34E-08
HHR19	4.20E-09	7.37E-09	1.95E-11	2.50E-08	9.50E-11	2.61E-11	1.83E-06	7.53E-07	2.02E-08
HHR20	3.85E-09	6.75E-09	1.75E-11	2.26E-08	8.65E-11	2.39E-11	1.67E-06	6.44E-07	1.71E-08
HHR21	4.02E-09	7.05E-09	1.77E-11	2.31E-08	8.91E-11	2.50E-11	1.72E-06	6.47E-07	1.73E-08
HHR22	4.77E-09	8.37E-09	2.04E-11	2.78E-08	1.05E-10	2.97E-11	2.02E-06	1.19E-06	3.03E-08
HHR23	4.05E-09	7.07E-09	1.45E-11	1.96E-08	8.02E-11	2.54E-11	1.53E-06	7.10E-07	2.02E-08
HHR24	3.99E-09	6.97E-09	1.56E-11	1.98E-08	8.08E-11	2.50E-11	1.54E-06	6.23E-07	1.67E-08
HHR25	6.71E-09	1.18E-08	2.83E-11	3.81E-08	1.45E-10	4.19E-11	2.79E-06	1.54E-06	3.96E-08
HHR26	6.89E-09	1.21E-08	2.99E-11	3.80E-08	1.48E-10	4.30E-11	2.85E-06	1.02E-06	3.06E-08
HHR27	5.65E-09	9.87E-09	2.59E-11	3.16E-08	1.20E-10	3.55E-11	2.32E-06	7.89E-07	2.80E-08
HHR28	3.56E-09	6.24E-09	1.75E-11	2.11E-08	8.00E-11	2.22E-11	1.55E-06	5.26E-07	1.37E-08
HHR29	1.16E-09	2.04E-09	6.67E-12	7.73E-09	2.86E-11	7.13E-12	5.56E-07	1.37E-07	2.65E-09
HHR30	4.16E-09	7.27E-09	1.56E-11	2.07E-08	8.39E-11	2.61E-11	1.60E-06	7.20E-07	1.99E-08
HHR31	8.78E-10	1.55E-09	5.30E-12	5.99E-09	2.20E-11	5.41E-12	4.29E-07	1.04E-07	1.97E-09
HHR32	1.73E-09	3.04E-09	9.50E-12	1.12E-08	4.18E-11	1.07E-11	8.12E-07	2.06E-07	4.13E-09
HHR33	2.58E-09	4.53E-09	1.26E-11	1.56E-08	5.96E-11	1.60E-11	1.15E-06	3.25E-07	7.14E-09

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	3.27E-09	5.73E-09	1.47E-11	1.89E-08	7.31E-11	2.03E-11	1.41E-06	4.31E-07	1.08E-08
HHR35	2.36E-09	4.14E-09	1.13E-11	1.41E-08	5.41E-11	1.46E-11	1.05E-06	2.87E-07	6.35E-09
HHR36	3.66E-09	6.41E-09	1.50E-11	1.98E-08	7.85E-11	2.28E-11	1.51E-06	5.15E-07	1.27E-08
HHR37	4.78E-09	8.35E-09	1.68E-11	2.39E-08	9.70E-11	3.00E-11	1.85E-06	8.16E-07	2.22E-08
HHR38	2.37E-09	4.16E-09	1.17E-11	1.44E-08	5.50E-11	1.47E-11	1.06E-06	2.82E-07	6.08E-09
HHR39	2.76E-09	4.85E-09	1.39E-11	1.72E-08	6.45E-11	1.71E-11	1.25E-06	4.11E-07	1.04E-08
HHR40	2.63E-09	4.63E-09	1.33E-11	1.64E-08	6.16E-11	1.63E-11	1.19E-06	3.85E-07	9.69E-09
HHR41	2.56E-09	4.50E-09	1.29E-11	1.60E-08	5.99E-11	1.59E-11	1.16E-06	3.77E-07	9.48E-09
HHR42	3.36E-09	5.89E-09	1.55E-11	1.98E-08	7.59E-11	2.08E-11	1.47E-06	4.50E-07	1.14E-08
HHR43	4.00E-09	6.98E-09	1.29E-11	1.98E-08	8.01E-11	2.51E-11	1.53E-06	7.57E-07	2.12E-08
HHR44	4.07E-09	7.12E-09	1.34E-11	2.02E-08	8.17E-11	2.56E-11	1.56E-06	7.88E-07	2.20E-08
HHR45	4.02E-09	7.06E-09	2.13E-11	2.54E-08	9.56E-11	2.49E-11	1.85E-06	6.01E-07	1.67E-08
HHR46	8.88E-09	1.55E-08	3.56E-11	4.78E-08	1.87E-10	5.56E-11	3.59E-06	2.21E-06	6.20E-08
HHR47	8.75E-09	1.53E-08	3.52E-11	5.01E-08	1.88E-10	5.46E-11	3.61E-06	2.89E-06	7.36E-08
HHR48	2.68E-09	4.72E-09	1.36E-11	1.68E-08	6.29E-11	1.66E-11	1.22E-06	3.96E-07	1.00E-08
HHR49	1.14E-08	2.00E-08	5.18E-11	6.71E-08	2.56E-10	7.08E-11	4.93E-06	3.48E-06	9.61E-08
HHR50	1.40E-08	2.44E-08	4.83E-11	7.25E-08	2.82E-10	8.76E-11	5.39E-06	4.59E-06	1.09E-07
HHR51	2.35E-08	4.13E-08	1.16E-10	1.44E-07	5.45E-10	1.46E-10	1.05E-05	3.84E-06	1.15E-07
HHR52	4.59E-09	8.02E-09	1.79E-11	2.39E-08	9.35E-11	2.88E-11	1.79E-06	1.15E-06	3.14E-08
HHR53	9.00E-09	1.58E-08	3.64E-11	5.11E-08	1.93E-10	5.62E-11	3.71E-06	2.85E-06	7.32E-08
HHR54	5.18E-09	9.05E-09	1.94E-11	2.61E-08	1.03E-10	3.25E-11	1.97E-06	1.21E-06	3.34E-08
HHR55	1.76E-08	3.08E-08	5.54E-11	8.21E-08	3.41E-10	1.11E-10	6.47E-06	3.57E-06	8.81E-08
HHR56	7.80E-09	1.36E-08	3.09E-11	3.91E-08	1.57E-10	4.89E-11	3.00E-06	1.41E-06	3.71E-08
HHR57	8.27E-09	1.44E-08	2.68E-11	3.88E-08	1.61E-10	5.19E-11	3.06E-06	1.55E-06	4.00E-08
HHR58	1.49E-08	2.60E-08	7.02E-11	8.53E-08	3.20E-10	9.30E-11	6.20E-06	1.71E-06	6.48E-08
HHR59	1.38E-08	2.42E-08	6.44E-11	7.79E-08	2.97E-10	8.63E-11	5.72E-06	1.58E-06	5.75E-08
HHR60	1.25E-08	2.19E-08	5.76E-11	6.84E-08	2.64E-10	7.82E-11	5.08E-06	1.75E-06	6.30E-08
HHR61	7.88E-09	1.38E-08	2.95E-11	3.79E-08	1.56E-10	4.95E-11	2.97E-06	1.38E-06	3.54E-08
HHR62	7.17E-09	1.25E-08	2.80E-11	3.56E-08	1.45E-10	4.49E-11	2.76E-06	1.26E-06	3.28E-08
HHR63	3.62E-09	6.32E-09	1.45E-11	1.91E-08	7.59E-11	2.26E-11	1.45E-06	5.81E-07	1.55E-08
HHR64	4.10E-09	7.20E-09	1.96E-11	2.48E-08	9.33E-11	2.55E-11	1.80E-06	7.19E-07	1.96E-08
HHR65	3.57E-09	6.24E-09	1.43E-11	1.91E-08	7.51E-11	2.23E-11	1.44E-06	6.50E-07	1.76E-08
HHR66	6.61E-09	1.16E-08	3.32E-11	3.99E-08	1.50E-10	4.12E-11	2.91E-06	8.39E-07	2.53E-08
HHR67	8.70E-09	1.52E-08	3.59E-11	4.65E-08	1.81E-10	5.44E-11	3.47E-06	1.28E-06	4.07E-08

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	5.27E-09	9.24E-09	2.36E-11	3.09E-08	1.18E-10	3.28E-11	2.27E-06	1.06E-06	2.81E-08
HHR69	2.65E-09	4.65E-09	1.35E-11	1.66E-08	6.21E-11	1.64E-11	1.20E-06	3.94E-07	9.97E-09
HHR70	2.76E-09	4.85E-09	1.39E-11	1.72E-08	6.44E-11	1.71E-11	1.25E-06	4.15E-07	1.06E-08
HHR71	3.58E-09	6.27E-09	1.65E-11	2.12E-08	8.08E-11	2.22E-11	1.56E-06	5.71E-07	1.51E-08
HHR72	5.52E-09	9.71E-09	3.11E-11	3.62E-08	1.35E-10	3.41E-11	2.62E-06	5.37E-07	1.15E-08
HHR73	5.33E-09	9.33E-09	2.15E-11	3.02E-08	1.15E-10	3.32E-11	2.20E-06	1.37E-06	3.49E-08
HHR74	3.49E-09	6.12E-09	1.57E-11	2.03E-08	7.81E-11	2.17E-11	1.51E-06	5.32E-07	1.40E-08
HHR75	4.42E-09	7.73E-09	1.71E-11	2.28E-08	9.15E-11	2.77E-11	1.75E-06	7.22E-07	1.89E-08
HHR76	9.08E-09	1.59E-08	3.05E-11	4.32E-08	1.78E-10	5.71E-11	3.38E-06	1.99E-06	4.82E-08
HHR77	4.42E-09	7.74E-09	1.93E-11	2.53E-08	9.74E-11	2.75E-11	1.87E-06	7.86E-07	2.09E-08
HHR78	4.51E-09	7.91E-09	2.14E-11	2.70E-08	1.02E-10	2.80E-11	1.96E-06	8.15E-07	2.24E-08
HHR79	3.72E-09	6.53E-09	1.67E-11	2.17E-08	8.33E-11	2.32E-11	1.61E-06	5.98E-07	1.58E-08
HHR80	3.12E-09	5.48E-09	1.36E-11	1.77E-08	6.92E-11	1.94E-11	1.33E-06	3.97E-07	9.53E-09
HHR81	3.64E-09	6.39E-09	1.68E-11	2.14E-08	8.22E-11	2.26E-11	1.59E-06	5.18E-07	1.35E-08
HHR82	3.81E-09	6.68E-09	1.72E-11	2.21E-08	8.52E-11	2.37E-11	1.64E-06	5.35E-07	1.40E-08
HHR83	3.58E-09	6.27E-09	1.66E-11	2.11E-08	8.10E-11	2.22E-11	1.56E-06	5.00E-07	1.29E-08
MPOI	8.56E-07	1.49E-06	1.19E-09	3.28E-06	1.43E-08	5.43E-09	2.66E-04	7.35E-04	2.51E-05

Table M2-4: *(cont'd)*

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	1.37E-11	3.95E-10	1.30E-09	1.67E-12	6.26E-09	6.42E-09	2.75E-10	1.18E-06	3.77E-11
HHR2	1.46E-11	3.93E-10	1.29E-09	1.67E-12	6.24E-09	6.40E-09	2.83E-10	1.18E-06	3.81E-11
HHR3	3.67E-11	7.67E-10	2.50E-09	3.16E-12	1.27E-08	1.23E-08	6.65E-10	2.24E-06	8.43E-11
HHR4	1.41E-11	4.24E-10	1.39E-09	1.80E-12	6.67E-09	6.91E-09	2.84E-10	1.28E-06	3.93E-11
HHR5	2.43E-11	7.01E-10	2.31E-09	2.98E-12	1.11E-08	1.14E-08	4.76E-10	2.11E-06	6.59E-11
HHR6	5.22E-11	1.16E-09	3.78E-09	4.80E-12	1.90E-08	1.86E-08	9.63E-10	3.40E-06	1.24E-10
HHR7	1.34E-11	2.25E-10	7.35E-10	9.35E-13	3.69E-09	3.61E-09	2.26E-10	6.61E-07	2.68E-11
HHR8	1.45E-11	3.16E-10	1.03E-09	1.31E-12	5.20E-09	5.07E-09	2.67E-10	9.26E-07	3.41E-11
HHR9	1.25E-11	3.56E-10	1.17E-09	1.51E-12	5.66E-09	5.79E-09	2.50E-10	1.07E-06	3.42E-11
HHR10	1.76E-11	5.37E-10	1.77E-09	2.29E-12	8.44E-09	8.76E-09	3.56E-10	1.62E-06	4.97E-11
HHR11	1.87E-11	4.26E-10	1.39E-09	1.77E-12	6.95E-09	6.84E-09	3.47E-10	1.25E-06	4.49E-11
HHR12	1.70E-11	4.25E-10	1.39E-09	1.79E-12	6.80E-09	6.89E-09	3.13E-10	1.27E-06	4.19E-11
HHR13	1.93E-11	4.42E-10	1.44E-09	1.84E-12	7.20E-09	7.10E-09	3.58E-10	1.30E-06	4.64E-11
HHR14	1.54E-11	3.83E-10	1.25E-09	1.60E-12	6.18E-09	6.18E-09	2.94E-10	1.13E-06	3.89E-11
HHR15	4.10E-11	6.16E-10	1.98E-09	2.46E-12	1.07E-08	9.65E-09	6.83E-10	1.74E-06	8.02E-11
HHR16	1.66E-11	3.64E-10	1.19E-09	1.51E-12	5.98E-09	5.84E-09	3.05E-10	1.07E-06	3.91E-11
HHR17	1.36E-11	2.74E-10	8.89E-10	1.12E-12	4.55E-09	4.36E-09	2.43E-10	7.94E-07	3.06E-11
HHR18	1.68E-11	3.72E-10	1.21E-09	1.54E-12	6.11E-09	5.98E-09	3.10E-10	1.09E-06	3.98E-11
HHR19	2.09E-11	4.56E-10	1.49E-09	1.89E-12	7.50E-09	7.32E-09	3.83E-10	1.34E-06	4.91E-11
HHR20	1.89E-11	4.18E-10	1.36E-09	1.73E-12	6.85E-09	6.70E-09	3.48E-10	1.22E-06	4.47E-11
HHR21	1.91E-11	4.36E-10	1.42E-09	1.81E-12	7.11E-09	7.00E-09	3.54E-10	1.28E-06	4.59E-11
HHR22	2.21E-11	5.17E-10	1.69E-09	2.15E-12	8.41E-09	8.31E-09	4.13E-10	1.52E-06	5.38E-11
HHR23	1.56E-11	4.32E-10	1.42E-09	1.84E-12	6.80E-09	7.05E-09	2.91E-10	1.30E-06	4.00E-11
HHR24	1.66E-11	4.27E-10	1.40E-09	1.81E-12	6.76E-09	6.94E-09	3.00E-10	1.28E-06	4.06E-11
HHR25	3.06E-11	7.25E-10	2.37E-09	3.03E-12	1.17E-08	1.17E-08	5.70E-10	2.14E-06	7.44E-11
HHR26	3.21E-11	7.44E-10	2.43E-09	3.11E-12	1.20E-08	1.20E-08	5.87E-10	2.20E-06	7.58E-11
HHR27	2.77E-11	6.04E-10	1.99E-09	2.57E-12	9.53E-09	9.83E-09	4.97E-10	1.82E-06	6.26E-11
HHR28	1.87E-11	3.85E-10	1.26E-09	1.60E-12	6.28E-09	6.20E-09	3.34E-10	1.13E-06	4.18E-11
HHR29	7.07E-12	1.27E-10	4.12E-10	5.16E-13	2.16E-09	2.02E-09	1.23E-10	3.65E-07	1.51E-11
HHR30	1.68E-11	4.45E-10	1.46E-09	1.89E-12	7.04E-09	7.23E-09	3.11E-10	1.33E-06	4.21E-11
HHR31	5.60E-12	9.70E-11	3.13E-10	3.91E-13	1.65E-09	1.53E-09	9.58E-11	2.77E-07	1.16E-11
HHR32	1.01E-11	1.90E-10	6.15E-10	7.72E-13	3.19E-09	3.01E-09	1.78E-10	5.46E-07	2.20E-11
HHR33	1.35E-11	2.81E-10	9.15E-10	1.16E-12	4.65E-09	4.49E-09	2.45E-10	8.19E-07	3.10E-11

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	1.58E-11	3.55E-10	1.16E-09	1.47E-12	5.80E-09	5.69E-09	2.93E-10	1.04E-06	3.77E-11
HHR35	1.22E-11	2.57E-10	8.36E-10	1.06E-12	4.24E-09	4.11E-09	2.21E-10	7.49E-07	2.81E-11
HHR36	1.61E-11	3.95E-10	1.29E-09	1.65E-12	6.37E-09	6.37E-09	3.03E-10	1.17E-06	4.01E-11
HHR37	1.82E-11	5.11E-10	1.68E-09	2.17E-12	8.11E-09	8.32E-09	3.56E-10	1.53E-06	4.88E-11
HHR38	1.25E-11	2.59E-10	8.41E-10	1.06E-12	4.28E-09	4.13E-09	2.26E-10	7.52E-07	2.86E-11
HHR39	1.48E-11	3.01E-10	9.80E-10	1.24E-12	5.01E-09	4.81E-09	2.67E-10	8.76E-07	3.36E-11
HHR40	1.42E-11	2.88E-10	9.35E-10	1.18E-12	4.78E-09	4.59E-09	2.56E-10	8.35E-07	3.21E-11
HHR41	1.38E-11	2.80E-10	9.10E-10	1.15E-12	4.65E-09	4.47E-09	2.48E-10	8.13E-07	3.12E-11
HHR42	1.67E-11	3.65E-10	1.19E-09	1.51E-12	5.99E-09	5.84E-09	3.07E-10	1.07E-06	3.93E-11
HHR43	1.43E-11	4.27E-10	1.40E-09	1.81E-12	6.74E-09	6.95E-09	2.90E-10	1.28E-06	4.01E-11
HHR44	1.47E-11	4.35E-10	1.43E-09	1.85E-12	6.88E-09	7.09E-09	2.97E-10	1.31E-06	4.09E-11
HHR45	2.27E-11	4.40E-10	1.43E-09	1.80E-12	7.34E-09	7.00E-09	4.02E-10	1.27E-06	5.00E-11
HHR46	3.86E-11	9.53E-10	3.13E-09	4.02E-12	1.52E-08	1.55E-08	7.30E-10	2.84E-06	9.57E-11
HHR47	3.83E-11	9.44E-10	3.09E-09	3.95E-12	1.53E-08	1.52E-08	7.29E-10	2.80E-06	9.62E-11
HHR48	1.45E-11	2.93E-10	9.53E-10	1.20E-12	4.87E-09	4.68E-09	2.61E-10	8.52E-07	3.28E-11
HHR49	5.58E-11	1.24E-09	4.03E-09	5.12E-12	2.03E-08	1.98E-08	1.03E-09	3.62E-06	1.32E-10
HHR50	5.28E-11	1.49E-09	4.90E-09	6.34E-12	2.35E-08	2.43E-08	1.05E-09	4.48E-06	1.42E-10
HHR51	1.24E-10	2.57E-09	8.35E-09	1.06E-11	4.25E-08	4.10E-08	2.24E-09	7.47E-06	2.83E-10
HHR52	1.94E-11	4.90E-10	1.61E-09	2.08E-12	7.74E-09	7.98E-09	3.65E-10	1.47E-06	4.77E-11
HHR53	3.95E-11	9.71E-10	3.18E-09	4.06E-12	1.57E-08	1.57E-08	7.51E-10	2.88E-06	9.88E-11
HHR54	2.10E-11	5.52E-10	1.82E-09	2.35E-12	8.69E-09	9.01E-09	3.97E-10	1.67E-06	5.21E-11
HHR55	5.99E-11	1.87E-09	6.18E-09	8.02E-12	2.93E-08	3.07E-08	1.19E-09	5.68E-06	1.69E-10
HHR56	3.31E-11	8.34E-10	2.74E-09	3.54E-12	1.32E-08	1.36E-08	5.99E-10	2.50E-06	7.93E-11
HHR57	2.90E-11	8.80E-10	2.90E-09	3.76E-12	1.38E-08	1.44E-08	5.68E-10	2.66E-06	8.01E-11
HHR58	7.49E-11	1.59E-09	5.23E-09	6.73E-12	2.54E-08	2.59E-08	1.34E-09	4.76E-06	1.67E-10
HHR59	6.87E-11	1.49E-09	4.88E-09	6.25E-12	2.40E-08	2.41E-08	1.22E-09	4.42E-06	1.54E-10
HHR60	6.11E-11	1.35E-09	4.41E-09	5.66E-12	2.16E-08	2.18E-08	1.07E-09	4.01E-06	1.36E-10
HHR61	3.15E-11	8.40E-10	2.77E-09	3.58E-12	1.32E-08	1.37E-08	5.63E-10	2.53E-06	7.79E-11
HHR62	2.99E-11	7.66E-10	2.52E-09	3.25E-12	1.21E-08	1.25E-08	5.34E-10	2.30E-06	7.26E-11
HHR63	1.56E-11	3.89E-10	1.27E-09	1.64E-12	6.23E-09	6.29E-09	2.88E-10	1.16E-06	3.85E-11
HHR64	2.10E-11	4.46E-10	1.45E-09	1.84E-12	7.35E-09	7.15E-09	3.80E-10	1.30E-06	4.83E-11
HHR65	1.54E-11	3.84E-10	1.26E-09	1.61E-12	6.15E-09	6.21E-09	2.86E-10	1.14E-06	3.81E-11
HHR66	3.54E-11	7.14E-10	2.34E-09	2.98E-12	1.17E-08	1.15E-08	6.29E-10	2.11E-06	7.85E-11
HHR67	3.84E-11	9.34E-10	3.06E-09	3.93E-12	1.49E-08	1.51E-08	7.11E-10	2.78E-06	9.24E-11

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	2.55E-11	5.71E-10	1.86E-09	2.37E-12	9.35E-09	9.18E-09	4.71E-10	1.68E-06	6.07E-11
HHR69	1.44E-11	2.89E-10	9.40E-10	1.19E-12	4.81E-09	4.61E-09	2.58E-10	8.39E-07	3.24E-11
HHR70	1.48E-11	3.01E-10	9.79E-10	1.24E-12	5.00E-09	4.81E-09	2.67E-10	8.75E-07	3.36E-11
HHR71	1.78E-11	3.88E-10	1.27E-09	1.61E-12	6.38E-09	6.23E-09	3.26E-10	1.14E-06	4.18E-11
HHR72	3.30E-11	6.07E-10	1.97E-09	2.46E-12	1.02E-08	9.62E-09	5.77E-10	1.74E-06	7.10E-11
HHR73	2.34E-11	5.75E-10	1.88E-09	2.41E-12	9.30E-09	9.28E-09	4.45E-10	1.70E-06	5.86E-11
HHR74	1.69E-11	3.78E-10	1.23E-09	1.57E-12	6.20E-09	6.07E-09	3.13E-10	1.11E-06	4.03E-11
HHR75	1.83E-11	4.74E-10	1.56E-09	2.00E-12	7.57E-09	7.69E-09	3.42E-10	1.42E-06	4.62E-11
HHR76	3.32E-11	9.67E-10	3.19E-09	4.13E-12	1.52E-08	1.58E-08	6.42E-10	2.92E-06	8.85E-11
HHR77	2.08E-11	4.78E-10	1.56E-09	1.99E-12	7.79E-09	7.69E-09	3.86E-10	1.41E-06	5.00E-11
HHR78	2.29E-11	4.90E-10	1.60E-09	2.03E-12	8.05E-09	7.86E-09	4.14E-10	1.44E-06	5.27E-11
HHR79	1.80E-11	4.04E-10	1.32E-09	1.68E-12	6.61E-09	6.49E-09	3.34E-10	1.19E-06	4.30E-11
HHR80	1.47E-11	3.38E-10	1.10E-09	1.41E-12	5.52E-09	5.44E-09	2.74E-10	9.95E-07	3.56E-11
HHR81	1.80E-11	3.96E-10	1.29E-09	1.64E-12	6.50E-09	6.35E-09	3.31E-10	1.16E-06	4.25E-11
HHR82	1.85E-11	4.13E-10	1.35E-09	1.72E-12	6.76E-09	6.64E-09	3.41E-10	1.21E-06	4.39E-11
HHR83	1.79E-11	3.89E-10	1.27E-09	1.61E-12	6.39E-09	6.23E-09	3.27E-10	1.14E-06	4.19E-11
MPOI	1.49E-09	8.93E-08	2.97E-07	3.93E-10	1.34E-06	1.49E-06	4.13E-08	2.78E-04	6.76E-09

Table M2-4: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	8.92E-10	1.38E-10	1.34E-10	3.39E-08	1.83E-07	2.58E-09	1.53E-07	1.03E-08
HHR2	8.90E-10	1.55E-10	1.34E-10	3.29E-08	1.82E-07	2.57E-09	1.53E-07	1.03E-08
HHR3	1.69E-09	3.99E-10	2.65E-10	1.04E-07	3.73E-07	4.93E-09	3.03E-07	1.97E-08
HHR4	9.63E-10	1.40E-10	1.44E-10	3.94E-08	1.94E-07	2.77E-09	1.64E-07	1.11E-08
HHR5	1.59E-09	2.55E-10	2.38E-10	5.38E-08	3.21E-07	4.58E-09	2.71E-07	1.83E-08
HHR6	2.56E-09	5.50E-10	3.99E-10	1.64E-07	5.61E-07	7.48E-09	4.56E-07	2.99E-08
HHR7	4.98E-10	1.63E-10	7.75E-11	1.11E-08	1.10E-07	1.45E-09	8.78E-08	5.81E-09
HHR8	6.98E-10	1.63E-10	1.09E-10	1.60E-08	1.52E-07	2.04E-09	1.24E-07	8.14E-09
HHR9	8.05E-10	1.26E-10	1.21E-10	2.79E-08	1.64E-07	2.33E-09	1.38E-07	9.30E-09
HHR10	1.22E-09	1.72E-10	1.82E-10	5.44E-08	2.48E-07	3.51E-09	2.09E-07	1.40E-08
HHR11	9.44E-10	1.96E-10	1.46E-10	3.17E-08	2.05E-07	2.75E-09	1.67E-07	1.10E-08
HHR12	9.55E-10	2.00E-10	1.45E-10	2.82E-08	1.98E-07	2.77E-09	1.65E-07	1.11E-08
HHR13	9.79E-10	2.06E-10	1.52E-10	3.35E-08	2.12E-07	2.85E-09	1.73E-07	1.14E-08
HHR14	8.54E-10	1.57E-10	1.31E-10	2.90E-08	1.81E-07	2.48E-09	1.50E-07	9.91E-09
HHR15	1.31E-09	5.07E-10	2.17E-10	2.21E-08	3.23E-07	3.89E-09	2.46E-07	1.55E-08
HHR16	8.04E-10	1.77E-10	1.25E-10	2.17E-08	1.76E-07	2.35E-09	1.43E-07	9.38E-09
HHR17	5.99E-10	1.50E-10	9.47E-11	1.76E-08	1.35E-07	1.76E-09	1.08E-07	7.01E-09
HHR18	8.23E-10	1.77E-10	1.28E-10	2.57E-08	1.80E-07	2.40E-09	1.46E-07	9.60E-09
HHR19	1.01E-09	2.23E-10	1.57E-10	3.84E-08	2.23E-07	2.94E-09	1.80E-07	1.18E-08
HHR20	9.23E-10	1.99E-10	1.44E-10	3.26E-08	2.02E-07	2.70E-09	1.64E-07	1.08E-08
HHR21	9.66E-10	2.02E-10	1.50E-10	3.28E-08	2.10E-07	2.81E-09	1.71E-07	1.12E-08
HHR22	1.15E-09	2.25E-10	1.77E-10	5.51E-08	2.53E-07	3.34E-09	2.05E-07	1.34E-08
HHR23	9.81E-10	1.63E-10	1.47E-10	3.78E-08	1.97E-07	2.83E-09	1.67E-07	1.13E-08
HHR24	9.65E-10	1.88E-10	1.45E-10	3.14E-08	1.96E-07	2.79E-09	1.65E-07	1.11E-08
HHR25	1.62E-09	3.25E-10	2.49E-10	7.22E-08	3.48E-07	4.70E-09	2.85E-07	1.88E-08
HHR26	1.66E-09	3.52E-10	2.55E-10	6.03E-08	3.52E-07	4.82E-09	2.91E-07	1.93E-08
HHR27	1.37E-09	3.04E-10	2.05E-10	5.69E-08	2.75E-07	3.95E-09	2.35E-07	1.58E-08
HHR28	8.55E-10	2.08E-10	1.32E-10	2.62E-08	1.84E-07	2.49E-09	1.51E-07	9.96E-09
HHR29	2.75E-10	8.19E-11	4.44E-11	5.05E-09	6.41E-08	8.13E-10	5.05E-08	3.25E-09
HHR30	1.01E-09	1.79E-10	1.51E-10	3.71E-08	2.04E-07	2.90E-09	1.72E-07	1.16E-08
HHR31	2.09E-10	6.68E-11	3.38E-11	3.75E-09	4.91E-08	6.17E-10	3.85E-08	2.46E-09
HHR32	4.12E-10	1.15E-10	6.59E-11	7.83E-09	9.44E-08	1.21E-09	7.49E-08	4.84E-09
HHR33	6.18E-10	1.47E-10	9.72E-11	1.34E-08	1.37E-07	1.81E-09	1.10E-07	7.22E-09

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	7.85E-10	1.72E-10	1.22E-10	2.07E-08	1.70E-07	2.29E-09	1.39E-07	9.15E-09
HHR35	5.65E-10	1.36E-10	8.87E-11	1.20E-08	1.24E-07	1.65E-09	1.01E-07	6.60E-09
HHR36	8.81E-10	1.89E-10	1.35E-10	2.36E-08	1.86E-07	2.56E-09	1.53E-07	1.02E-08
HHR37	1.16E-09	1.92E-10	1.74E-10	4.11E-08	2.36E-07	3.34E-09	1.98E-07	1.33E-08
HHR38	5.67E-10	1.38E-10	8.94E-11	1.15E-08	1.26E-07	1.66E-09	1.01E-07	6.64E-09
HHR39	6.60E-10	1.64E-10	1.04E-10	2.02E-08	1.49E-07	1.94E-09	1.19E-07	7.73E-09
HHR40	6.30E-10	1.57E-10	9.96E-11	1.88E-08	1.42E-07	1.85E-09	1.14E-07	7.38E-09
HHR41	6.13E-10	1.53E-10	9.69E-11	1.83E-08	1.38E-07	1.80E-09	1.11E-07	7.18E-09
HHR42	8.05E-10	1.80E-10	1.26E-10	2.18E-08	1.76E-07	2.35E-09	1.43E-07	9.39E-09
HHR43	9.67E-10	1.43E-10	1.45E-10	3.94E-08	1.97E-07	2.79E-09	1.66E-07	1.12E-08
HHR44	9.86E-10	1.46E-10	1.48E-10	4.10E-08	2.01E-07	2.84E-09	1.69E-07	1.14E-08
HHR45	9.60E-10	2.55E-10	1.52E-10	3.21E-08	2.16E-07	2.82E-09	1.73E-07	1.13E-08
HHR46	2.14E-09	3.88E-10	3.25E-10	1.15E-07	4.53E-07	6.21E-09	3.75E-07	2.48E-08
HHR47	2.11E-09	3.80E-10	3.23E-10	1.31E-07	4.65E-07	6.12E-09	3.75E-07	2.45E-08
HHR48	6.42E-10	1.60E-10	1.02E-10	1.93E-08	1.45E-07	1.88E-09	1.16E-07	7.52E-09
HHR49	2.73E-09	5.88E-10	4.26E-10	1.76E-07	6.01E-07	7.98E-09	4.86E-07	3.19E-08
HHR50	3.38E-09	4.99E-10	5.06E-10	1.85E-07	7.03E-07	9.74E-09	5.82E-07	3.89E-08
HHR51	5.63E-09	1.35E-09	8.87E-10	2.20E-07	1.26E-06	1.65E-08	1.01E-06	6.59E-08
HHR52	1.11E-09	1.97E-10	1.67E-10	5.72E-08	2.30E-07	3.20E-09	1.92E-07	1.28E-08
HHR53	2.17E-09	3.95E-10	3.33E-10	1.30E-07	4.72E-07	6.30E-09	3.82E-07	2.52E-08
HHR54	1.26E-09	2.11E-10	1.88E-10	6.12E-08	2.56E-07	3.62E-09	2.15E-07	1.45E-08
HHR55	4.28E-09	6.22E-10	6.35E-10	1.54E-07	8.50E-07	1.23E-08	7.22E-07	4.92E-08
HHR56	1.89E-09	3.60E-10	2.84E-10	6.76E-08	3.85E-07	5.45E-09	3.23E-07	2.18E-08
HHR57	2.01E-09	2.94E-10	2.98E-10	7.13E-08	3.99E-07	5.77E-09	3.39E-07	2.31E-08
HHR58	3.59E-09	8.34E-10	5.44E-10	1.37E-07	7.39E-07	1.04E-08	6.21E-07	4.15E-08
HHR59	3.33E-09	7.67E-10	5.10E-10	1.21E-07	6.97E-07	9.67E-09	5.83E-07	3.86E-08
HHR60	3.02E-09	7.05E-10	4.60E-10	1.30E-07	6.30E-07	8.75E-09	5.28E-07	3.50E-08
HHR61	1.91E-09	3.49E-10	2.85E-10	6.39E-08	3.83E-07	5.50E-09	3.24E-07	2.20E-08
HHR62	1.73E-09	3.31E-10	2.61E-10	6.01E-08	3.53E-07	5.01E-09	2.97E-07	2.00E-08
HHR63	8.72E-10	1.67E-10	1.33E-10	2.90E-08	1.82E-07	2.53E-09	1.51E-07	1.01E-08
HHR64	9.83E-10	2.31E-10	1.54E-10	3.77E-08	2.19E-07	2.87E-09	1.77E-07	1.15E-08
HHR65	8.61E-10	1.63E-10	1.31E-10	3.28E-08	1.81E-07	2.49E-09	1.50E-07	9.97E-09
HHR66	1.59E-09	3.96E-10	2.45E-10	5.08E-08	3.43E-07	4.63E-09	2.80E-07	1.85E-08
HHR67	2.10E-09	4.37E-10	3.19E-10	8.09E-08	4.36E-07	6.08E-09	3.65E-07	2.43E-08

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	1.26E-09	2.66E-10	1.97E-10	5.25E-08	2.77E-07	3.69E-09	2.25E-07	1.47E-08
HHR69	6.33E-10	1.59E-10	1.00E-10	1.93E-08	1.43E-07	1.86E-09	1.14E-07	7.41E-09
HHR70	6.60E-10	1.63E-10	1.04E-10	2.04E-08	1.49E-07	1.93E-09	1.19E-07	7.73E-09
HHR71	8.58E-10	1.89E-10	1.34E-10	2.88E-08	1.89E-07	2.50E-09	1.53E-07	1.00E-08
HHR72	1.31E-09	3.83E-10	2.11E-10	2.36E-08	3.02E-07	3.87E-09	2.40E-07	1.55E-08
HHR73	1.28E-09	2.32E-10	1.97E-10	6.29E-08	2.80E-07	3.73E-09	2.27E-07	1.49E-08
HHR74	8.37E-10	1.78E-10	1.30E-10	2.68E-08	1.82E-07	2.44E-09	1.49E-07	9.76E-09
HHR75	1.07E-09	2.07E-10	1.62E-10	3.49E-08	2.20E-07	3.09E-09	1.84E-07	1.23E-08
HHR76	2.20E-09	3.29E-10	3.28E-10	8.44E-08	4.41E-07	6.34E-09	3.73E-07	2.53E-08
HHR77	1.06E-09	2.18E-10	1.64E-10	3.92E-08	2.30E-07	3.09E-09	1.88E-07	1.24E-08
HHR78	1.08E-09	2.49E-10	1.69E-10	4.31E-08	2.40E-07	3.16E-09	1.94E-07	1.26E-08
HHR79	8.94E-10	1.89E-10	1.39E-10	3.01E-08	1.95E-07	2.61E-09	1.59E-07	1.04E-08
HHR80	7.51E-10	1.56E-10	1.16E-10	1.81E-08	1.61E-07	2.19E-09	1.32E-07	8.74E-09
HHR81	8.74E-10	1.92E-10	1.36E-10	2.58E-08	1.91E-07	2.55E-09	1.55E-07	1.02E-08
HHR82	9.15E-10	2.01E-10	1.42E-10	2.68E-08	1.99E-07	2.67E-09	1.62E-07	1.07E-08
HHR83	8.57E-10	1.90E-10	1.34E-10	2.47E-08	1.88E-07	2.50E-09	1.53E-07	1.00E-08
MPOI	2.10E-07	4.24E-09	2.98E-08	5.91E-05	4.01E-05	5.95E-07	3.35E-05	2.38E-06

Table M2-5: Baseline Acute 1-hour Air Concentrations for Lewis Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	2.05E-03	9.65E-06	8.77E-09	2.03E-02	1.65E-03	1.17E+00	6.41E-01	1.61E-05	6.03E-06
HHR2	5.61E-03	8.76E-06	1.09E-08	1.85E-02	1.51E-03	1.02E+00	8.28E-01	1.16E-05	5.48E-06
HHR3	4.96E-04	1.30E-06	3.27E-08	2.74E-03	2.23E-04	4.59E-01	5.61E-02	1.17E-05	8.15E-07
HHR4	1.47E-03	1.11E-05	6.99E-09	2.34E-02	1.91E-03	1.28E+00	3.63E-01	1.70E-05	6.96E-06
HHR5	1.26E-03	5.73E-06	1.63E-08	1.21E-02	9.87E-04	6.63E-01	2.31E-01	1.06E-05	3.59E-06
HHR6	1.32E-03	6.00E-06	7.12E-09	1.26E-02	1.03E-03	1.53E+00	1.18E-01	7.45E-06	3.75E-06
HHR7	1.26E-04	6.28E-07	3.49E-09	1.34E-03	1.16E-04	9.46E-02	2.35E-02	1.51E-06	3.93E-07
HHR8	1.71E-03	1.42E-05	5.91E-09	2.99E-02	2.44E-03	1.19E+00	3.08E-01	1.51E-05	8.90E-06
HHR9	1.52E-03	1.20E-05	6.13E-09	2.53E-02	2.06E-03	1.18E+00	3.76E-01	1.28E-05	7.52E-06
HHR10	5.12E-04	2.76E-06	9.63E-09	5.83E-03	4.75E-04	3.43E-01	9.81E-02	1.04E-05	1.73E-06
HHR11	1.50E-03	7.97E-06	4.92E-09	1.67E-02	1.36E-03	1.62E+00	1.44E-01	1.01E-05	4.98E-06
HHR12	2.30E-03	1.61E-05	1.01E-08	3.40E-02	2.77E-03	1.63E+00	2.33E-01	1.74E-05	1.01E-05
HHR13	1.67E-03	1.41E-05	4.85E-09	2.96E-02	2.42E-03	1.77E+00	1.81E-01	2.07E-05	8.83E-06
HHR14	3.02E-03	7.45E-06	8.32E-09	1.57E-02	1.28E-03	9.92E-01	5.83E-01	1.40E-05	4.66E-06
HHR15	1.09E-04	7.21E-07	5.18E-09	1.52E-03	1.25E-04	9.92E-02	1.86E-02	2.18E-06	4.51E-07
HHR16	1.01E-03	4.09E-06	5.23E-09	8.61E-03	7.02E-04	1.08E+00	9.00E-02	4.97E-06	2.56E-06
HHR17	1.42E-03	3.14E-06	8.51E-09	6.62E-03	5.39E-04	1.30E+00	9.54E-02	6.44E-06	1.96E-06
HHR18	2.74E-03	1.46E-05	1.04E-08	3.07E-02	2.50E-03	3.20E+00	2.62E-01	1.50E-05	9.12E-06
HHR19	2.85E-03	1.49E-05	9.14E-09	3.12E-02	2.55E-03	3.40E+00	2.89E-01	1.69E-05	9.28E-06
HHR20	2.95E-03	1.67E-05	9.36E-09	3.52E-02	2.87E-03	3.53E+00	3.17E-01	1.57E-05	1.05E-05
HHR21	1.53E-03	1.10E-05	5.22E-09	2.31E-02	1.89E-03	1.62E+00	1.66E-01	1.51E-05	6.89E-06
HHR22	2.08E-03	5.79E-06	6.77E-09	1.22E-02	9.93E-04	1.86E+00	1.55E-01	6.42E-06	3.62E-06
HHR23	1.55E-03	1.32E-05	7.28E-09	2.78E-02	2.27E-03	1.21E+00	2.66E-01	1.90E-05	8.27E-06
HHR24	1.79E-03	1.39E-05	7.50E-09	2.93E-02	2.39E-03	1.33E+00	2.57E-01	1.71E-05	8.70E-06
HHR25	7.23E-04	3.40E-06	4.77E-09	7.13E-03	5.82E-04	7.00E-01	1.61E-01	4.09E-06	2.12E-06
HHR26	6.15E-04	2.36E-06	7.61E-09	4.98E-03	4.07E-04	6.75E-01	6.62E-02	4.23E-06	1.48E-06
HHR27	3.79E-04	1.31E-06	6.82E-09	2.76E-03	2.26E-04	3.84E-01	4.47E-02	3.39E-06	8.20E-07
HHR28	2.56E-04	9.53E-07	6.05E-09	2.02E-03	1.64E-04	1.67E-01	5.52E-02	3.09E-06	5.96E-07
HHR29	1.54E-03	1.77E-05	9.83E-09	3.71E-02	3.02E-03	1.00E+00	2.54E-01	2.13E-05	1.10E-05
HHR30	9.64E-04	4.91E-06	1.07E-08	1.04E-02	8.43E-04	5.44E-01	1.82E-01	6.83E-06	3.07E-06
HHR31	4.73E-03	5.66E-05	2.29E-08	1.19E-01	9.70E-03	1.13E+00	6.07E-01	5.29E-05	3.54E-05
HHR32	2.25E-03	2.56E-05	1.45E-08	5.39E-02	4.39E-03	1.29E+00	4.16E-01	3.22E-05	1.60E-05
HHR33	4.21E-03	5.08E-05	8.18E-09	1.07E-01	8.70E-03	3.10E+00	3.46E-01	4.47E-05	3.17E-05

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR34	9.03E-04	3.56E-06	4.90E-09	7.50E-03	6.11E-04	9.51E-01	8.22E-02	4.38E-06	2.23E-06
HHR35	2.21E-03	2.28E-05	1.03E-08	4.79E-02	3.91E-03	1.64E+00	3.24E-01	2.96E-05	1.43E-05
HHR36	4.51E-03	2.40E-05	9.95E-09	5.05E-02	4.11E-03	3.35E+00	2.78E-01	2.30E-05	1.50E-05
HHR37	1.33E-03	6.03E-06	1.33E-08	1.27E-02	1.04E-03	6.83E-01	2.47E-01	8.71E-06	3.77E-06
HHR38	1.00E-02	1.08E-05	1.07E-08	2.27E-02	1.85E-03	7.72E+00	3.87E-01	1.35E-05	6.74E-06
HHR39	1.70E-03	3.72E-06	8.61E-09	7.85E-03	6.39E-04	1.50E+00	1.10E-01	8.23E-06	2.32E-06
HHR40	1.40E-03	3.14E-06	7.54E-09	6.63E-03	5.40E-04	1.25E+00	9.55E-02	6.68E-06	1.96E-06
HHR41	2.06E-03	4.19E-06	9.73E-09	8.83E-03	7.19E-04	1.87E+00	1.28E-01	8.65E-06	2.62E-06
HHR42	1.10E-03	4.66E-06	6.58E-09	9.81E-03	8.00E-04	1.18E+00	9.92E-02	5.44E-06	2.91E-06
HHR43	1.44E-03	1.01E-05	6.85E-09	2.12E-02	1.73E-03	1.26E+00	3.59E-01	1.47E-05	6.32E-06
HHR44	1.49E-03	1.19E-05	6.23E-09	2.50E-02	2.04E-03	1.35E+00	2.82E-01	2.02E-05	7.43E-06
HHR45	2.19E-04	8.08E-07	4.71E-09	1.71E-03	1.40E-04	1.54E-01	4.23E-02	2.43E-06	5.05E-07
HHR46	3.45E-04	1.53E-06	1.46E-08	3.21E-03	2.62E-04	2.16E-01	5.98E-02	4.21E-06	9.54E-07
HHR47	3.65E-04	1.91E-06	1.71E-08	4.02E-03	3.28E-04	2.56E-01	6.96E-02	4.14E-06	1.19E-06
HHR48	1.28E-03	2.93E-06	7.07E-09	6.19E-03	5.04E-04	1.14E+00	8.93E-02	6.35E-06	1.83E-06
HHR49	3.26E-04	1.32E-06	1.41E-08	2.79E-03	2.27E-04	2.12E-01	5.35E-02	3.80E-06	8.28E-07
HHR50	3.74E-04	2.07E-06	2.49E-08	4.35E-03	3.54E-04	2.75E-01	7.32E-02	4.60E-06	1.29E-06
HHR51	2.95E-04	1.07E-06	1.44E-08	2.25E-03	1.84E-04	2.15E-01	4.71E-02	3.67E-06	6.69E-07
HHR52	5.91E-04	4.55E-06	1.89E-08	9.64E-03	7.86E-04	3.76E-01	9.68E-02	9.11E-06	2.85E-06
HHR53	3.85E-04	1.99E-06	3.58E-08	4.19E-03	3.42E-04	2.71E-01	6.92E-02	6.01E-06	1.25E-06
HHR54	6.45E-04	3.65E-06	2.34E-08	7.70E-03	6.27E-04	3.96E-01	1.02E-01	8.27E-06	2.28E-06
HHR55	3.90E-04	2.21E-06	2.09E-08	4.65E-03	3.79E-04	2.90E-01	7.54E-02	4.93E-06	1.38E-06
HHR56	7.09E-04	3.72E-06	2.02E-08	7.87E-03	6.39E-04	4.36E-01	1.23E-01	6.33E-06	2.32E-06
HHR57	9.08E-04	4.65E-06	1.44E-08	9.81E-03	7.98E-04	5.54E-01	1.53E-01	6.87E-06	2.91E-06
HHR58	2.07E-04	7.58E-07	1.20E-08	1.60E-03	1.30E-04	1.72E-01	3.65E-02	4.04E-06	4.74E-07
HHR59	2.08E-04	7.46E-07	1.10E-08	1.57E-03	1.29E-04	1.71E-01	3.45E-02	3.54E-06	4.66E-07
HHR60	2.45E-04	8.89E-07	1.24E-08	1.87E-03	1.53E-04	2.05E-01	3.64E-02	4.17E-06	5.56E-07
HHR61	1.02E-03	5.09E-06	7.21E-08	1.07E-02	8.73E-04	6.36E-01	2.24E-01	6.97E-06	3.18E-06
HHR62	1.40E-03	4.91E-06	2.52E-08	1.04E-02	8.42E-04	6.50E-01	2.81E-01	9.56E-06	3.07E-06
HHR63	2.22E-03	6.40E-06	8.55E-09	1.35E-02	1.10E-03	8.76E-01	4.76E-01	1.32E-05	4.00E-06
HHR64	2.25E-03	8.16E-06	1.18E-08	1.72E-02	1.40E-03	2.02E+00	1.48E-01	1.75E-05	5.10E-06
HHR65	2.07E-03	7.63E-06	7.64E-09	1.60E-02	1.31E-03	1.08E+00	7.09E-01	1.46E-05	4.77E-06
HHR66	4.02E-04	1.30E-06	6.88E-09	2.73E-03	2.26E-04	4.15E-01	4.68E-02	3.42E-06	8.10E-07
HHR67	4.76E-04	1.97E-06	6.93E-09	4.14E-03	3.38E-04	5.26E-01	6.48E-02	4.84E-06	1.23E-06

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR68	5.87E-04	2.76E-06	7.01E-09	5.81E-03	4.74E-04	5.30E-01	1.32E-01	4.16E-06	1.73E-06
HHR69	9.14E-04	2.34E-06	6.55E-09	4.93E-03	4.02E-04	8.35E-01	7.39E-02	4.76E-06	1.46E-06
HHR70	1.35E-03	3.11E-06	7.76E-09	6.56E-03	5.34E-04	1.22E+00	9.19E-02	6.84E-06	1.94E-06
HHR71	5.12E-03	1.58E-05	1.95E-08	3.34E-02	2.72E-03	4.81E+00	3.16E-01	5.76E-05	9.88E-06
HHR72	1.57E-04	8.77E-07	4.84E-09	1.85E-03	1.53E-04	1.41E-01	2.35E-02	2.33E-06	5.48E-07
HHR73	1.39E-03	4.64E-06	5.25E-09	9.76E-03	7.96E-04	1.29E+00	1.75E-01	5.66E-06	2.90E-06
HHR74	2.78E-03	1.51E-05	1.03E-08	3.16E-02	2.58E-03	3.31E+00	2.71E-01	1.50E-05	9.40E-06
HHR75	2.02E-03	1.44E-05	1.78E-08	3.02E-02	2.46E-03	1.49E+00	2.01E-01	1.38E-05	8.99E-06
HHR76	2.89E-03	1.25E-05	1.41E-08	2.63E-02	2.15E-03	2.61E+00	2.32E-01	1.11E-05	7.83E-06
HHR77	1.41E-03	1.16E-05	4.74E-09	2.43E-02	1.98E-03	1.47E+00	1.66E-01	1.71E-05	7.23E-06
HHR78	2.46E-03	8.64E-06	9.76E-09	1.82E-02	1.48E-03	2.49E+00	1.73E-01	1.82E-05	5.40E-06
HHR79	2.57E-03	1.37E-05	8.01E-09	2.87E-02	2.34E-03	3.00E+00	2.58E-01	1.32E-05	8.53E-06
HHR80	2.64E-03	7.66E-06	5.68E-09	1.61E-02	1.31E-03	2.06E+00	1.54E-01	9.33E-06	4.79E-06
HHR81	1.62E-03	7.11E-06	5.96E-09	1.50E-02	1.22E-03	1.83E+00	1.42E-01	8.17E-06	4.44E-06
HHR82	1.43E-03	5.76E-06	5.09E-09	1.21E-02	9.89E-04	1.56E+00	1.18E-01	6.84E-06	3.60E-06
HHR83	1.66E-03	7.13E-06	5.81E-09	1.50E-02	1.22E-03	1.83E+00	1.40E-01	8.14E-06	4.46E-06
MPOI	5.20E-02	9.11E-05	1.33E-07	1.92E-01	1.56E-02	2.84E+01	1.62E+01	2.66E-04	5.70E-05

Table M2-5: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	3.55E-09	1.15E-02	1.17E-06	1.45E-05	9.23E-03	4.92E-05	3.84E-03	4.57E-07
HHR2	2.04E-09	2.78E-02	1.37E-06	1.19E-05	2.42E-02	1.48E-04	3.56E-03	2.71E-07
HHR3	5.10E-09	1.05E-03	3.95E-07	4.26E-06	1.07E-03	4.58E-05	5.19E-04	7.12E-08
HHR4	2.09E-09	7.01E-03	1.05E-06	1.35E-05	6.44E-03	4.79E-05	4.42E-03	2.04E-07
HHR5	2.43E-09	5.99E-03	1.69E-06	1.16E-05	7.52E-03	3.17E-04	2.42E-03	1.29E-07
HHR6	1.28E-09	2.07E-03	2.72E-07	4.82E-06	1.46E-03	1.20E-05	2.39E-03	5.27E-08
HHR7	6.20E-10	5.06E-04	1.64E-07	1.83E-06	3.27E-04	2.36E-05	2.75E-04	2.93E-08
HHR8	1.73E-09	6.74E-03	1.09E-06	1.13E-05	4.78E-03	4.49E-05	5.65E-03	1.59E-07
HHR9	1.96E-09	7.49E-03	1.12E-06	9.96E-06	5.09E-03	7.47E-05	4.78E-03	1.75E-07
HHR10	4.26E-09	2.13E-03	5.63E-07	3.49E-06	1.62E-03	2.09E-04	1.13E-03	4.77E-08
HHR11	1.16E-09	2.81E-03	3.53E-07	7.96E-06	1.97E-03	9.97E-06	3.16E-03	4.35E-08
HHR12	2.84E-09	5.50E-03	8.48E-07	1.34E-05	4.42E-03	5.51E-05	6.43E-03	9.19E-08
HHR13	1.19E-09	3.90E-03	5.50E-07	1.69E-05	2.80E-03	9.50E-06	5.61E-03	4.35E-08
HHR14	2.84E-09	1.56E-02	1.27E-06	1.68E-05	1.35E-02	4.38E-05	2.97E-03	3.75E-07
HHR15	1.05E-09	3.68E-04	2.20E-07	2.98E-06	2.79E-04	7.77E-06	2.89E-04	3.46E-08
HHR16	9.77E-10	1.59E-03	2.36E-07	3.38E-06	1.16E-03	9.44E-06	1.63E-03	3.24E-08
HHR17	1.32E-09	1.39E-03	1.52E-07	3.75E-06	1.18E-03	1.21E-05	1.25E-03	2.40E-08
HHR18	1.59E-09	4.26E-03	3.06E-07	9.96E-06	2.62E-03	1.44E-05	5.81E-03	3.22E-08
HHR19	1.38E-09	4.94E-03	3.46E-07	1.14E-05	3.18E-03	1.27E-05	5.91E-03	3.27E-08
HHR20	1.49E-09	5.27E-03	3.54E-07	1.12E-05	3.27E-03	1.38E-05	6.65E-03	3.10E-08
HHR21	1.18E-09	3.42E-03	4.47E-07	1.22E-05	2.43E-03	9.82E-06	4.38E-03	4.45E-08
HHR22	1.67E-09	3.03E-03	6.56E-07	6.38E-06	2.44E-03	1.90E-05	2.30E-03	9.22E-08
HHR23	5.30E-09	5.29E-03	1.02E-06	1.48E-05	4.34E-03	5.13E-05	5.26E-03	1.27E-07
HHR24	4.14E-09	5.26E-03	9.81E-07	1.31E-05	4.25E-03	6.95E-05	5.56E-03	1.07E-07
HHR25	1.08E-09	2.64E-03	5.92E-07	3.85E-06	2.01E-03	1.22E-05	1.35E-03	8.59E-08
HHR26	1.80E-09	1.32E-03	3.32E-07	6.27E-06	1.07E-03	1.40E-05	9.41E-04	7.63E-08
HHR27	1.40E-09	9.11E-04	3.35E-07	5.14E-06	7.78E-04	1.11E-05	5.25E-04	5.82E-08
HHR28	1.15E-09	8.64E-04	4.75E-07	2.01E-06	6.62E-04	4.80E-05	3.83E-04	2.99E-08
HHR29	2.17E-09	7.51E-03	6.28E-07	1.65E-05	5.22E-03	1.75E-05	7.01E-03	4.55E-08
HHR30	1.62E-09	3.74E-03	8.29E-07	6.85E-06	2.86E-03	4.66E-05	1.97E-03	7.97E-08
HHR31	3.48E-09	2.64E-02	1.23E-06	3.68E-05	2.28E-02	3.21E-05	2.25E-02	5.42E-08
HHR32	2.19E-09	1.22E-02	8.77E-07	2.56E-05	8.68E-03	2.20E-05	1.02E-02	5.40E-08
HHR33	1.38E-09	1.35E-02	1.26E-06	3.59E-05	9.45E-03	3.42E-05	2.01E-02	8.28E-08

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	9.59E-10	1.60E-03	2.35E-07	3.04E-06	1.19E-03	9.58E-06	1.42E-03	3.11E-08
HHR35	2.51E-09	9.43E-03	7.91E-07	2.38E-05	6.21E-03	2.08E-05	9.05E-03	4.92E-08
HHR36	1.78E-09	7.43E-03	8.11E-07	1.78E-05	5.74E-03	1.03E-04	9.55E-03	8.10E-08
HHR37	1.99E-09	5.54E-03	1.24E-06	1.73E-05	5.65E-03	6.43E-05	2.43E-03	9.94E-08
HHR38	3.07E-09	5.57E-03	5.03E-07	1.02E-05	5.27E-03	2.38E-05	4.28E-03	4.63E-08
HHR39	1.46E-09	1.71E-03	1.43E-07	4.69E-06	1.39E-03	1.26E-05	1.48E-03	2.83E-08
HHR40	1.27E-09	1.45E-03	1.38E-07	3.86E-06	1.20E-03	1.12E-05	1.25E-03	2.54E-08
HHR41	1.57E-09	1.79E-03	1.74E-07	5.00E-06	1.57E-03	1.46E-05	1.67E-03	2.40E-08
HHR42	1.09E-09	1.73E-03	2.39E-07	3.70E-06	1.22E-03	1.01E-05	1.86E-03	3.36E-08
HHR43	2.01E-09	6.94E-03	1.00E-06	1.15E-05	6.57E-03	4.02E-05	4.02E-03	1.71E-07
HHR44	1.90E-09	5.47E-03	9.31E-07	1.62E-05	5.16E-03	3.49E-05	4.72E-03	1.30E-07
HHR45	9.02E-10	6.84E-04	4.04E-07	1.77E-06	5.47E-04	3.55E-05	3.28E-04	2.33E-08
HHR46	2.37E-09	1.24E-03	9.43E-07	3.58E-06	1.05E-03	4.05E-05	6.07E-04	6.28E-08
HHR47	2.66E-09	1.50E-03	9.31E-07	3.31E-06	1.27E-03	6.44E-05	7.61E-04	4.85E-08
HHR48	1.25E-09	1.41E-03	1.35E-07	3.66E-06	1.13E-03	1.07E-05	1.17E-03	2.55E-08
HHR49	2.32E-09	1.07E-03	8.81E-07	3.25E-06	9.75E-04	3.32E-05	5.27E-04	6.45E-08
HHR50	3.81E-09	1.60E-03	9.29E-07	3.77E-06	1.36E-03	7.32E-05	8.22E-04	4.77E-08
HHR51	2.22E-09	8.91E-04	7.61E-07	4.11E-06	9.26E-04	2.78E-05	4.26E-04	6.50E-08
HHR52	2.97E-09	2.73E-03	7.44E-07	5.99E-06	1.76E-03	2.61E-04	1.99E-03	5.52E-08
HHR53	5.47E-09	1.42E-03	1.33E-06	3.88E-06	1.51E-03	5.30E-05	7.94E-04	6.85E-08
HHR54	3.56E-09	2.85E-03	8.41E-07	6.20E-06	1.83E-03	2.58E-04	1.51E-03	6.18E-08
HHR55	3.26E-09	1.74E-03	8.79E-07	3.76E-06	1.36E-03	1.09E-04	8.80E-04	5.39E-08
HHR56	3.02E-09	2.85E-03	1.48E-06	5.44E-06	2.35E-03	8.58E-05	1.49E-03	6.60E-08
HHR57	2.19E-09	3.60E-03	1.43E-06	1.00E-05	3.46E-03	1.35E-04	1.86E-03	8.43E-08
HHR58	1.82E-09	6.72E-04	6.64E-07	5.59E-06	7.04E-04	1.84E-05	3.02E-04	6.38E-08
HHR59	1.68E-09	6.34E-04	6.59E-07	5.99E-06	7.54E-04	1.70E-05	2.98E-04	6.40E-08
HHR60	1.90E-09	7.70E-04	8.14E-07	6.70E-06	9.82E-04	1.85E-05	3.54E-04	8.04E-08
HHR61	1.07E-08	5.22E-03	1.50E-06	1.66E-05	1.25E-02	1.16E-04	2.03E-03	7.07E-07
HHR62	3.79E-09	6.90E-03	2.83E-06	2.63E-05	1.90E-02	4.48E-05	1.96E-03	2.28E-06
HHR63	2.30E-09	1.21E-02	1.48E-06	1.98E-05	9.71E-03	4.51E-05	2.55E-03	4.03E-07
HHR64	1.76E-09	2.70E-03	2.24E-07	8.95E-06	1.93E-03	1.62E-05	3.25E-03	2.97E-08
HHR65	2.55E-09	1.23E-02	1.15E-06	1.23E-05	8.86E-03	4.33E-05	3.04E-03	3.37E-07
HHR66	1.49E-09	9.58E-04	3.61E-07	5.72E-06	8.19E-04	1.18E-05	5.19E-04	6.09E-08
HHR67	1.76E-09	1.34E-03	4.26E-07	8.32E-06	1.13E-03	1.41E-05	7.83E-04	7.83E-08

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	1.44E-09	2.26E-03	5.13E-07	5.57E-06	1.78E-03	1.20E-05	1.10E-03	1.00E-07
HHR69	1.30E-09	1.18E-03	1.29E-07	2.80E-06	9.32E-04	1.06E-05	9.32E-04	2.47E-08
HHR70	1.34E-09	1.50E-03	1.37E-07	3.93E-06	1.17E-03	1.15E-05	1.24E-03	2.58E-08
HHR71	2.94E-09	6.73E-03	5.10E-07	2.81E-05	4.67E-03	2.69E-05	6.30E-03	3.12E-08
HHR72	9.37E-10	4.65E-04	1.71E-07	3.10E-06	4.20E-04	7.42E-06	3.51E-04	4.07E-08
HHR73	1.63E-09	3.54E-03	7.10E-07	6.54E-06	2.53E-03	1.93E-05	1.84E-03	9.69E-08
HHR74	1.58E-09	4.34E-03	3.13E-07	1.01E-05	2.68E-03	1.44E-05	5.98E-03	3.13E-08
HHR75	3.18E-09	4.78E-03	6.20E-07	1.07E-05	3.61E-03	3.28E-05	5.70E-03	7.57E-08
HHR76	4.50E-09	4.15E-03	5.02E-07	8.60E-06	2.89E-03	3.33E-05	4.98E-03	7.96E-08
HHR77	1.12E-09	3.55E-03	4.77E-07	1.40E-05	2.55E-03	9.06E-06	4.59E-03	4.53E-08
HHR78	1.46E-09	3.06E-03	2.51E-07	9.82E-06	2.20E-03	1.34E-05	3.44E-03	3.24E-08
HHR79	1.27E-09	4.31E-03	2.95E-07	9.17E-06	2.68E-03	1.17E-05	5.43E-03	3.26E-08
HHR80	1.28E-09	3.49E-03	3.66E-07	7.39E-06	2.43E-03	1.51E-05	3.04E-03	5.04E-08
HHR81	1.12E-09	2.23E-03	2.73E-07	5.39E-06	1.53E-03	1.00E-05	2.83E-03	4.01E-08
HHR82	1.15E-09	1.97E-03	2.75E-07	4.46E-06	1.42E-03	1.04E-05	2.29E-03	3.54E-08
HHR83	1.12E-09	2.23E-03	2.69E-07	5.34E-06	1.51E-03	1.01E-05	2.84E-03	3.68E-08
MPOI	1.99E-08	2.46E-01	8.39E-06	1.19E-04	2.56E-01	1.08E-03	3.61E-02	1.20E-05

Table M2-5: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	4.54E-07	4.54E-07	4.54E-07	3.61E-06	8.76E-03	4.52E-06	1.21E-06
HHR2	2.22E-07	2.22E-07	2.22E-07	2.98E-06	1.29E-02	3.78E-06	1.10E-06
HHR3	7.11E-08	7.12E-08	7.11E-08	1.06E-06	2.77E-03	1.35E-06	1.63E-07
HHR4	1.97E-07	1.97E-07	1.97E-07	3.11E-06	1.01E-02	2.82E-06	1.39E-06
HHR5	7.95E-08	7.97E-08	7.95E-08	2.89E-06	5.61E-03	3.59E-06	7.28E-07
HHR6	5.15E-08	5.18E-08	5.15E-08	1.04E-06	1.40E-02	1.28E-06	7.53E-07
HHR7	2.73E-08	2.72E-08	2.69E-08	4.20E-07	8.17E-04	5.68E-07	8.58E-08
HHR8	1.44E-07	1.45E-07	1.44E-07	2.51E-06	8.32E-03	2.32E-06	1.78E-06
HHR9	1.73E-07	1.73E-07	1.73E-07	2.30E-06	8.47E-03	2.70E-06	1.51E-06
HHR10	4.53E-08	4.54E-08	4.53E-08	7.81E-07	2.80E-03	9.26E-07	3.48E-07
HHR11	4.18E-08	4.18E-08	4.17E-08	1.82E-06	1.43E-02	8.38E-07	9.97E-07
HHR12	8.23E-08	8.24E-08	8.22E-08	3.01E-06	9.26E-03	3.31E-06	2.02E-06
HHR13	4.14E-08	4.15E-08	4.14E-08	3.91E-06	1.65E-02	8.39E-07	1.77E-06
HHR14	3.67E-07	3.67E-07	3.67E-07	4.19E-06	7.41E-03	5.26E-06	9.35E-07
HHR15	3.41E-08	3.42E-08	3.41E-08	7.43E-07	7.81E-04	9.29E-07	9.13E-08
HHR16	2.95E-08	2.98E-08	2.95E-08	7.22E-07	9.28E-03	6.25E-07	5.15E-07
HHR17	2.31E-08	2.31E-08	2.30E-08	7.12E-07	8.10E-03	4.56E-07	3.97E-07
HHR18	3.11E-08	3.12E-08	3.10E-08	2.15E-06	3.24E-02	8.04E-07	1.83E-06
HHR19	3.13E-08	3.13E-08	3.12E-08	2.40E-06	3.30E-02	6.24E-07	1.86E-06
HHR20	3.04E-08	3.06E-08	3.03E-08	2.47E-06	3.67E-02	7.07E-07	2.10E-06
HHR21	4.16E-08	4.16E-08	4.16E-08	2.82E-06	1.48E-02	8.41E-07	1.38E-06
HHR22	8.64E-08	8.65E-08	8.64E-08	1.50E-06	1.10E-02	1.86E-06	7.26E-07
HHR23	1.17E-07	1.17E-07	1.17E-07	3.37E-06	9.72E-03	6.15E-06	1.66E-06
HHR24	1.01E-07	1.01E-07	1.01E-07	2.96E-06	9.26E-03	4.74E-06	1.75E-06
HHR25	8.53E-08	8.54E-08	8.53E-08	9.60E-07	6.05E-03	1.19E-06	4.26E-07
HHR26	7.39E-08	7.41E-08	7.40E-08	1.57E-06	5.64E-03	1.98E-06	2.98E-07
HHR27	5.81E-08	5.81E-08	5.80E-08	1.28E-06	2.75E-03	1.63E-06	1.66E-07
HHR28	2.55E-08	2.54E-08	2.52E-08	4.78E-07	1.60E-03	5.90E-07	1.20E-07
HHR29	3.89E-08	3.90E-08	3.89E-08	3.73E-06	6.18E-03	1.22E-06	2.21E-06
HHR30	7.21E-08	7.22E-08	7.21E-08	1.70E-06	4.92E-03	2.11E-06	6.17E-07
HHR31	4.65E-08	4.65E-08	4.63E-08	8.00E-06	9.62E-03	1.54E-06	7.08E-06
HHR32	4.58E-08	4.59E-08	4.57E-08	5.87E-06	1.05E-02	1.35E-06	3.21E-06
HHR33	7.03E-08	7.04E-08	7.00E-08	8.24E-06	1.39E-02	1.52E-06	6.35E-06

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	2.81E-08	2.83E-08	2.81E-08	6.66E-07	7.96E-03	5.82E-07	4.48E-07
HHR35	4.37E-08	4.37E-08	4.36E-08	5.46E-06	9.98E-03	1.08E-06	2.85E-06
HHR36	7.37E-08	7.37E-08	7.35E-08	4.02E-06	1.42E-02	2.12E-06	3.01E-06
HHR37	8.14E-08	8.16E-08	8.14E-08	4.31E-06	6.18E-03	5.41E-06	7.58E-07
HHR38	4.21E-08	4.22E-08	4.20E-08	2.26E-06	2.42E-02	8.21E-07	1.35E-06
HHR39	2.77E-08	2.78E-08	2.76E-08	8.76E-07	9.09E-03	5.56E-07	4.70E-07
HHR40	2.49E-08	2.50E-08	2.48E-08	7.27E-07	7.93E-03	4.88E-07	3.98E-07
HHR41	2.28E-08	2.30E-08	2.28E-08	9.44E-07	1.13E-02	4.38E-07	5.29E-07
HHR42	3.09E-08	3.12E-08	3.09E-08	7.97E-07	1.06E-02	6.52E-07	5.87E-07
HHR43	1.67E-07	1.67E-07	1.67E-07	2.69E-06	1.00E-02	2.72E-06	1.27E-06
HHR44	1.22E-07	1.22E-07	1.22E-07	3.70E-06	1.13E-02	2.65E-06	1.49E-06
HHR45	2.16E-08	2.14E-08	2.11E-08	4.04E-07	1.42E-03	5.44E-07	1.03E-07
HHR46	6.17E-08	6.18E-08	6.16E-08	8.51E-07	1.96E-03	1.06E-06	1.92E-07
HHR47	4.47E-08	4.48E-08	4.47E-08	7.66E-07	2.11E-03	9.72E-07	2.40E-07
HHR48	2.52E-08	2.53E-08	2.51E-08	6.91E-07	7.21E-03	4.84E-07	3.71E-07
HHR49	6.31E-08	6.32E-08	6.31E-08	7.89E-07	2.00E-03	1.04E-06	1.66E-07
HHR50	4.38E-08	4.39E-08	4.38E-08	8.31E-07	2.20E-03	1.08E-06	2.59E-07
HHR51	5.80E-08	5.82E-08	5.80E-08	1.02E-06	1.97E-03	1.28E-06	1.35E-07
HHR52	5.07E-08	5.08E-08	5.07E-08	1.27E-06	3.02E-03	1.25E-06	5.80E-07
HHR53	6.32E-08	6.34E-08	6.32E-08	9.26E-07	2.23E-03	1.19E-06	2.50E-07
HHR54	5.74E-08	5.76E-08	5.74E-08	1.48E-06	3.21E-03	1.85E-06	4.61E-07
HHR55	4.39E-08	4.40E-08	4.39E-08	7.60E-07	2.27E-03	1.01E-06	2.78E-07
HHR56	4.78E-08	4.78E-08	4.78E-08	1.32E-06	3.65E-03	1.69E-06	4.67E-07
HHR57	6.19E-08	6.20E-08	6.19E-08	2.48E-06	4.53E-03	3.13E-06	5.84E-07
HHR58	6.00E-08	6.01E-08	6.00E-08	1.39E-06	1.37E-03	1.75E-06	9.98E-08
HHR59	6.30E-08	6.30E-08	6.29E-08	1.49E-06	1.41E-03	1.89E-06	9.41E-08
HHR60	7.95E-08	7.96E-08	7.95E-08	1.67E-06	1.60E-03	2.11E-06	1.11E-07
HHR61	8.46E-08	8.47E-08	8.46E-08	4.13E-06	5.18E-03	5.26E-06	6.39E-07
HHR62	1.46E-07	1.46E-07	1.46E-07	6.57E-06	5.14E-03	8.32E-06	6.16E-07
HHR63	2.59E-07	2.59E-07	2.59E-07	4.86E-06	6.61E-03	6.20E-06	8.03E-07
HHR64	2.91E-08	2.93E-08	2.91E-08	1.53E-06	1.61E-02	6.50E-07	1.02E-06
HHR65	3.26E-07	3.26E-07	3.26E-07	3.05E-06	8.12E-03	3.78E-06	9.57E-07
HHR66	6.08E-08	6.09E-08	6.08E-08	1.43E-06	3.10E-03	1.82E-06	1.64E-07
HHR67	7.82E-08	7.83E-08	7.82E-08	2.08E-06	4.52E-03	2.62E-06	2.47E-07

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	9.97E-08	9.98E-08	9.97E-08	1.39E-06	5.62E-03	1.75E-06	3.47E-07
HHR69	2.43E-08	2.46E-08	2.43E-08	5.39E-07	5.58E-03	4.74E-07	2.95E-07
HHR70	2.54E-08	2.55E-08	2.53E-08	7.40E-07	7.41E-03	4.86E-07	3.93E-07
HHR71	2.98E-08	3.00E-08	2.98E-08	4.68E-06	3.59E-02	2.02E-06	2.00E-06
HHR72	3.97E-08	4.02E-08	3.96E-08	7.72E-07	1.12E-03	9.80E-07	1.14E-07
HHR73	9.11E-08	9.12E-08	9.11E-08	1.59E-06	8.27E-03	1.95E-06	5.81E-07
HHR74	3.02E-08	3.03E-08	3.02E-08	2.19E-06	3.36E-02	7.66E-07	1.89E-06
HHR75	7.06E-08	7.07E-08	7.05E-08	2.43E-06	8.38E-03	1.78E-06	1.80E-06
HHR76	7.74E-08	7.75E-08	7.74E-08	1.96E-06	2.48E-02	1.24E-06	1.57E-06
HHR77	4.24E-08	4.24E-08	4.24E-08	3.23E-06	1.35E-02	7.98E-07	1.45E-06
HHR78	3.16E-08	3.19E-08	3.16E-08	1.74E-06	1.93E-02	6.76E-07	1.08E-06
HHR79	3.12E-08	3.14E-08	3.11E-08	2.01E-06	3.04E-02	7.61E-07	1.71E-06
HHR80	4.70E-08	4.71E-08	4.70E-08	1.68E-06	7.31E-03	7.21E-07	9.60E-07
HHR81	3.81E-08	3.82E-08	3.81E-08	1.12E-06	1.67E-02	8.73E-07	8.95E-07
HHR82	3.31E-08	3.32E-08	3.31E-08	9.43E-07	1.34E-02	8.08E-07	7.25E-07
HHR83	3.49E-08	3.49E-08	3.49E-08	1.11E-06	1.63E-02	8.59E-07	8.96E-07
MPOI	1.47E-06	1.47E-06	1.47E-06	1.76E-05	8.45E-02	1.86E-05	1.14E-05

Table M2-5: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	3.59E-06	6.45E-06	4.54E-07	1.57E-02	2.41E-05	3.32E-09	1.08E-02	1.01E-01	1.00E-02
HHR2	2.28E-06	4.16E-06	2.22E-07	3.80E-02	2.19E-05	4.14E-09	9.90E-03	2.76E-01	2.72E-02
HHR3	2.75E-06	4.82E-06	7.12E-08	6.93E-04	3.26E-06	1.24E-08	1.47E-03	4.28E-02	8.21E-03
HHR4	2.29E-06	4.16E-06	1.98E-07	1.04E-02	2.78E-05	2.65E-09	1.25E-02	1.05E-01	6.79E-03
HHR5	1.08E-06	2.43E-06	7.99E-08	2.62E-02	1.44E-05	6.16E-09	6.54E-03	8.97E-02	9.00E-03
HHR6	1.25E-06	2.21E-06	5.28E-08	1.15E-03	1.50E-05	2.70E-09	6.74E-03	1.51E-01	1.13E-03
HHR7	2.84E-07	7.47E-07	2.70E-08	4.03E-04	1.59E-06	1.32E-09	7.88E-04	9.18E-03	3.07E-04
HHR8	1.55E-06	3.14E-06	1.45E-07	6.70E-03	3.56E-05	2.24E-09	1.60E-02	9.11E-02	4.31E-03
HHR9	1.96E-06	3.63E-06	1.73E-07	8.21E-03	3.01E-05	2.32E-09	1.35E-02	8.91E-02	5.24E-03
HHR10	1.74E-06	3.43E-06	4.56E-08	2.62E-03	6.92E-06	3.65E-09	3.13E-03	2.91E-02	1.66E-03
HHR11	4.82E-07	1.86E-06	4.20E-08	1.59E-03	1.99E-05	1.87E-09	8.92E-03	1.57E-01	1.46E-03
HHR12	1.15E-06	3.23E-06	8.25E-08	6.41E-03	4.04E-05	3.84E-09	1.81E-02	8.75E-02	3.42E-03
HHR13	5.08E-07	3.85E-06	4.16E-08	1.82E-03	3.54E-05	1.84E-09	1.58E-02	1.83E-01	1.71E-03
HHR14	3.25E-06	5.73E-06	3.67E-07	2.46E-02	1.86E-05	3.15E-09	8.37E-03	1.52E-01	1.50E-02
HHR15	4.83E-07	8.82E-07	3.42E-08	3.83E-04	1.80E-06	1.97E-09	8.38E-04	8.04E-03	3.56E-04
HHR16	4.93E-07	1.17E-06	3.04E-08	1.08E-03	1.02E-05	1.98E-09	4.60E-03	9.90E-02	8.21E-04
HHR17	7.12E-07	1.35E-06	2.34E-08	4.75E-04	7.87E-06	3.22E-09	3.55E-03	7.38E-02	8.50E-04
HHR18	8.65E-07	2.57E-06	3.18E-08	1.01E-03	3.65E-05	3.93E-09	1.64E-02	3.66E-01	9.90E-04
HHR19	7.66E-07	2.88E-06	3.16E-08	1.02E-03	3.72E-05	3.46E-09	1.67E-02	3.70E-01	1.16E-03
HHR20	8.24E-07	2.69E-06	3.10E-08	1.04E-03	4.19E-05	3.55E-09	1.87E-02	4.14E-01	1.09E-03
HHR21	4.92E-07	2.81E-06	4.18E-08	1.72E-03	2.76E-05	1.98E-09	1.24E-02	1.63E-01	1.61E-03
HHR22	1.01E-06	1.91E-06	8.67E-08	4.42E-03	1.45E-05	2.57E-09	6.51E-03	1.01E-01	2.35E-03
HHR23	1.49E-06	3.70E-06	1.17E-07	7.61E-03	3.31E-05	2.76E-09	1.49E-02	1.02E-01	4.26E-03
HHR24	1.32E-06	3.18E-06	1.01E-07	7.26E-03	3.48E-05	2.84E-09	1.57E-02	9.44E-02	4.05E-03
HHR25	8.06E-07	1.52E-06	8.55E-08	2.97E-03	8.50E-06	1.81E-09	3.81E-03	5.83E-02	1.95E-03
HHR26	8.82E-07	1.63E-06	7.42E-08	1.11E-03	5.92E-06	2.88E-09	2.67E-03	5.98E-02	1.13E-03
HHR27	6.69E-07	1.31E-06	5.82E-08	1.20E-03	3.28E-06	2.59E-09	1.52E-03	2.75E-02	7.57E-04
HHR28	3.87E-07	9.37E-07	2.57E-08	1.10E-03	2.38E-06	2.29E-09	1.09E-03	1.83E-02	6.45E-04
HHR29	8.51E-07	3.91E-06	3.93E-08	3.04E-03	4.41E-05	3.73E-09	1.98E-02	7.93E-02	1.76E-03
HHR30	9.93E-07	2.09E-06	7.24E-08	6.74E-03	1.23E-05	4.07E-09	5.54E-03	5.24E-02	3.12E-03
HHR31	1.87E-06	9.08E-06	4.64E-08	9.01E-03	1.41E-04	8.69E-09	6.34E-02	2.52E-01	7.07E-03
HHR32	1.22E-06	5.99E-06	4.60E-08	3.89E-03	6.40E-05	5.50E-09	2.87E-02	1.31E-01	2.51E-03
HHR33	9.73E-07	8.25E-06	7.03E-08	4.64E-03	1.27E-04	3.10E-09	5.69E-02	1.37E-01	3.14E-03

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	4.60E-07	1.08E-06	2.88E-08	1.07E-03	8.91E-06	1.86E-09	4.01E-03	8.46E-02	7.98E-04
HHR35	8.99E-07	5.49E-06	4.38E-08	3.04E-03	5.70E-05	3.92E-09	2.55E-02	1.17E-01	1.80E-03
HHR36	1.07E-06	4.25E-06	7.38E-08	5.53E-03	6.01E-05	3.77E-09	2.69E-02	1.04E-01	3.37E-03
HHR37	8.64E-07	3.45E-06	8.20E-08	1.78E-02	1.51E-05	5.03E-09	6.82E-03	7.42E-02	6.58E-03
HHR38	9.28E-07	2.71E-06	4.63E-08	2.61E-03	2.69E-05	4.08E-09	1.21E-02	8.51E-02	5.76E-03
HHR39	7.41E-07	1.39E-06	2.81E-08	5.37E-04	9.32E-06	3.27E-09	4.21E-03	8.59E-02	9.90E-04
HHR40	6.48E-07	1.25E-06	2.52E-08	4.95E-04	7.88E-06	2.86E-09	3.56E-03	7.33E-02	8.50E-04
HHR41	7.99E-07	1.56E-06	2.37E-08	5.23E-04	1.05E-05	3.68E-09	4.74E-03	1.01E-01	1.17E-03
HHR42	5.78E-07	1.27E-06	3.20E-08	1.15E-03	1.17E-05	2.49E-09	5.24E-03	1.15E-01	8.69E-04
HHR43	2.40E-06	4.37E-06	1.67E-07	1.07E-02	2.53E-05	2.60E-09	1.13E-02	1.04E-01	6.95E-03
HHR44	1.84E-06	3.86E-06	1.23E-07	8.63E-03	2.97E-05	2.36E-09	1.33E-02	1.20E-01	5.41E-03
HHR45	3.76E-07	8.82E-07	2.10E-08	8.48E-04	2.02E-06	1.79E-09	9.32E-04	1.60E-02	4.81E-04
HHR46	8.59E-07	1.76E-06	6.19E-08	2.55E-03	3.82E-06	5.54E-09	1.71E-03	2.32E-02	1.05E-03
HHR47	5.72E-07	1.22E-06	4.52E-08	2.96E-03	4.78E-06	6.50E-09	2.15E-03	2.32E-02	1.13E-03
HHR48	6.19E-07	1.15E-06	2.57E-08	5.00E-04	7.36E-06	2.69E-09	3.32E-03	6.78E-02	8.02E-04
HHR49	6.83E-07	1.50E-06	6.36E-08	2.23E-03	3.31E-06	5.36E-09	1.49E-03	2.29E-02	1.02E-03
HHR50	8.18E-07	1.63E-06	4.45E-08	3.12E-03	5.17E-06	9.46E-09	2.32E-03	2.46E-02	1.20E-03
HHR51	7.09E-07	1.41E-06	5.89E-08	1.92E-03	2.68E-06	5.47E-09	1.20E-03	2.18E-02	8.93E-04
HHR52	6.19E-07	1.78E-06	5.10E-08	3.11E-03	1.14E-05	7.16E-09	5.22E-03	3.23E-02	1.80E-03
HHR53	1.20E-06	2.38E-06	6.38E-08	3.97E-03	4.98E-06	1.36E-08	2.24E-03	2.59E-02	1.73E-03
HHR54	7.26E-07	1.71E-06	5.78E-08	3.43E-03	9.14E-06	8.87E-09	4.14E-03	3.53E-02	1.84E-03
HHR55	6.85E-07	1.49E-06	4.41E-08	2.70E-03	5.53E-06	7.92E-09	2.49E-03	2.51E-02	1.31E-03
HHR56	6.85E-07	1.60E-06	4.80E-08	5.62E-03	9.30E-06	7.66E-09	4.22E-03	3.99E-02	2.24E-03
HHR57	9.13E-07	2.37E-06	6.20E-08	1.02E-02	1.16E-05	5.45E-09	5.25E-03	5.11E-02	4.06E-03
HHR58	8.44E-07	1.65E-06	6.02E-08	1.73E-03	1.90E-06	4.54E-09	8.59E-04	1.45E-02	7.70E-04
HHR59	7.39E-07	1.43E-06	6.33E-08	1.87E-03	1.87E-06	4.19E-09	8.69E-04	1.48E-02	8.30E-04
HHR60	9.15E-07	1.68E-06	7.99E-08	2.60E-03	2.22E-06	4.72E-09	1.00E-03	1.67E-02	1.07E-03
HHR61	1.28E-06	3.63E-06	8.50E-08	4.60E-02	1.27E-05	2.73E-08	5.73E-03	1.49E-01	1.51E-02
HHR62	1.54E-06	5.47E-06	1.46E-07	8.77E-02	1.23E-05	9.54E-09	5.53E-03	2.24E-01	2.36E-02
HHR63	2.91E-06	5.24E-06	2.60E-07	2.74E-02	1.60E-05	3.24E-09	7.18E-03	1.05E-01	1.04E-02
HHR64	9.71E-07	2.73E-06	3.00E-08	7.98E-04	2.04E-05	4.45E-09	9.16E-03	1.84E-01	1.18E-03
HHR65	3.23E-06	5.82E-06	3.26E-07	1.74E-02	1.91E-05	2.90E-09	8.56E-03	9.90E-02	9.95E-03
HHR66	7.09E-07	1.33E-06	6.10E-08	1.18E-03	3.24E-06	2.62E-09	1.52E-03	3.15E-02	7.89E-04
HHR67	1.02E-06	1.89E-06	7.84E-08	1.45E-03	4.92E-06	2.63E-09	2.22E-03	4.82E-02	1.05E-03

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	8.31E-07	1.58E-06	1.00E-07	2.21E-03	6.92E-06	2.66E-09	3.10E-03	5.07E-02	1.71E-03
HHR69	5.82E-07	1.08E-06	2.54E-08	4.91E-04	5.86E-06	2.49E-09	2.64E-03	5.31E-02	6.69E-04
HHR70	6.76E-07	1.26E-06	2.58E-08	5.22E-04	7.79E-06	2.96E-09	3.52E-03	7.11E-02	8.33E-04
HHR71	1.62E-06	8.81E-06	3.07E-08	9.76E-04	3.96E-05	7.40E-09	1.79E-02	3.88E-01	2.42E-03
HHR72	5.02E-07	9.21E-07	4.22E-08	8.00E-04	2.20E-06	1.84E-09	1.03E-03	1.28E-02	6.19E-04
HHR73	1.05E-06	1.97E-06	9.15E-08	4.67E-03	1.16E-05	1.99E-09	5.20E-03	7.68E-02	2.47E-03
HHR74	8.62E-07	2.58E-06	3.09E-08	9.77E-04	3.77E-05	3.90E-09	1.69E-02	3.79E-01	9.86E-04
HHR75	1.31E-06	2.87E-06	7.09E-08	4.96E-03	3.60E-05	6.76E-09	1.61E-02	8.66E-02	2.75E-03
HHR76	1.57E-06	3.33E-06	7.77E-08	3.15E-03	3.12E-05	5.35E-09	1.40E-02	2.28E-01	2.85E-02
HHR77	4.86E-07	3.18E-06	4.25E-08	1.78E-03	2.89E-05	1.80E-09	1.30E-02	1.49E-01	1.72E-03
HHR78	8.06E-07	2.87E-06	3.26E-08	8.68E-04	2.16E-05	3.69E-09	9.69E-03	2.11E-01	1.14E-03
HHR79	7.01E-07	2.27E-06	3.20E-08	1.11E-03	3.41E-05	3.03E-09	1.53E-02	3.41E-01	1.06E-03
HHR80	5.43E-07	1.71E-06	4.72E-08	1.80E-03	1.92E-05	2.15E-09	8.59E-03	5.80E-02	1.55E-03
HHR81	5.69E-07	1.47E-06	3.85E-08	1.37E-03	1.78E-05	2.26E-09	7.99E-03	1.81E-01	1.08E-03
HHR82	6.33E-07	1.44E-06	3.33E-08	1.40E-03	1.44E-05	1.93E-09	6.48E-03	1.45E-01	1.09E-03
HHR83	5.97E-07	1.51E-06	3.52E-08	1.32E-03	1.79E-05	2.20E-09	8.01E-03	1.79E-01	1.01E-03
MPOI	1.04E-05	3.94E-05	1.47E-06	5.12E-01	2.28E-04	5.03E-08	1.02E-01	2.89E+00	3.06E-01

Table M2-5: *(cont'd)*

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	4.54E-07	7.38E-06	9.25E-06	3.54E-06	3.90E-04	6.85E-06	4.47E-05	1.70E-04	3.50E-05
HHR2	2.22E-07	7.09E-06	1.61E-05	2.97E-06	7.17E-04	5.68E-06	4.06E-05	2.12E-04	3.18E-05
HHR3	7.12E-08	1.40E-06	7.23E-06	1.06E-06	6.95E-05	4.79E-06	6.03E-06	6.36E-04	4.73E-06
HHR4	1.98E-07	1.20E-05	7.21E-06	2.18E-06	4.29E-04	4.42E-06	5.15E-05	1.36E-04	4.04E-05
HHR5	8.00E-08	6.07E-06	4.18E-05	2.79E-06	3.02E-04	5.46E-06	2.66E-05	3.16E-04	2.08E-05
HHR6	5.29E-08	4.20E-06	6.71E-06	1.00E-06	2.58E-04	2.23E-06	2.78E-05	1.38E-04	2.18E-05
HHR7	2.73E-08	6.01E-07	6.69E-06	3.89E-07	3.54E-05	1.07E-06	2.98E-06	6.78E-05	2.30E-06
HHR8	1.45E-07	1.00E-05	6.65E-06	1.81E-06	5.23E-04	3.59E-06	6.59E-05	1.15E-04	5.16E-05
HHR9	1.73E-07	8.57E-06	1.00E-05	2.11E-06	4.48E-04	4.16E-06	5.57E-05	1.19E-04	4.36E-05
HHR10	4.55E-08	2.79E-06	2.15E-05	7.01E-07	1.27E-04	3.15E-06	1.28E-05	1.87E-04	1.00E-05
HHR11	4.20E-08	7.11E-06	4.96E-06	6.36E-07	3.26E-04	1.35E-06	3.69E-05	9.55E-05	2.89E-05
HHR12	8.27E-08	1.19E-05	5.94E-06	1.29E-06	5.65E-04	5.73E-06	7.47E-05	1.97E-04	5.85E-05
HHR13	4.16E-08	1.52E-05	5.05E-06	6.28E-07	5.39E-04	1.35E-06	6.54E-05	9.42E-05	5.13E-05
HHR14	3.67E-07	5.57E-06	8.49E-06	4.12E-06	3.82E-04	7.94E-06	3.45E-05	1.62E-04	2.70E-05
HHR15	3.43E-08	5.38E-07	1.38E-05	7.28E-07	3.09E-05	1.41E-06	3.35E-06	1.01E-04	2.62E-06
HHR16	3.05E-08	2.89E-06	3.19E-06	3.64E-07	1.78E-04	1.50E-06	1.89E-05	1.01E-04	1.49E-05
HHR17	2.35E-08	3.23E-06	3.45E-06	3.40E-07	1.42E-04	1.26E-06	1.45E-05	1.65E-04	1.14E-05
HHR18	3.19E-08	8.78E-06	3.31E-06	5.80E-07	6.29E-04	1.66E-06	6.76E-05	2.01E-04	5.31E-05
HHR19	3.17E-08	1.00E-05	3.64E-06	4.64E-07	6.49E-04	1.40E-06	6.88E-05	1.77E-04	5.40E-05
HHR20	3.11E-08	9.88E-06	3.67E-06	5.34E-07	7.28E-04	1.66E-06	7.75E-05	1.82E-04	6.08E-05
HHR21	4.18E-08	1.10E-05	5.01E-06	6.33E-07	4.36E-04	1.36E-06	5.10E-05	1.01E-04	4.01E-05
HHR22	8.68E-08	4.24E-06	8.10E-06	1.42E-06	2.40E-04	2.88E-06	2.68E-05	1.31E-04	2.10E-05
HHR23	1.17E-07	1.33E-05	6.29E-06	1.66E-06	4.91E-04	1.05E-05	6.12E-05	1.41E-04	4.80E-05
HHR24	1.01E-07	1.17E-05	6.15E-06	1.53E-06	5.04E-04	8.15E-06	6.44E-05	1.45E-04	5.05E-05
HHR25	8.55E-08	2.79E-06	9.38E-06	9.34E-07	1.52E-04	1.80E-06	1.57E-05	9.26E-05	1.23E-05
HHR26	7.42E-08	1.73E-06	1.21E-05	1.55E-06	1.02E-04	2.98E-06	1.10E-05	1.47E-04	8.60E-06
HHR27	5.83E-08	1.19E-06	9.84E-06	1.28E-06	5.58E-05	2.46E-06	6.08E-06	1.33E-04	4.76E-06
HHR28	2.58E-08	1.61E-06	5.46E-06	4.29E-07	5.19E-05	1.24E-06	4.41E-06	1.18E-04	3.46E-06
HHR29	3.93E-08	1.47E-05	3.90E-06	6.47E-07	6.47E-04	2.02E-06	8.17E-05	1.91E-04	6.40E-05
HHR30	7.24E-08	4.43E-06	2.07E-05	1.62E-06	2.37E-04	3.23E-06	2.27E-05	2.08E-04	1.78E-05
HHR31	4.67E-08	3.25E-05	6.89E-06	8.23E-07	1.90E-03	3.33E-06	2.62E-04	4.45E-04	2.05E-04
HHR32	4.61E-08	2.27E-05	5.44E-06	7.52E-07	9.36E-04	2.36E-06	1.19E-04	2.82E-04	9.30E-05
HHR33	7.07E-08	3.22E-05	5.91E-06	8.98E-07	1.67E-03	2.46E-06	2.35E-04	1.59E-04	1.84E-04

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	2.88E-08	2.66E-06	2.79E-06	3.50E-07	1.55E-04	1.40E-06	1.65E-05	9.50E-05	1.29E-05
HHR35	4.39E-08	2.13E-05	4.70E-06	6.24E-07	8.35E-04	1.89E-06	1.06E-04	2.01E-04	8.27E-05
HHR36	7.39E-08	1.58E-05	6.39E-06	1.08E-06	8.13E-04	3.71E-06	1.11E-04	1.93E-04	8.71E-05
HHR37	8.21E-08	5.68E-06	3.29E-05	4.23E-06	3.13E-04	8.19E-06	2.79E-05	2.58E-04	2.19E-05
HHR38	4.65E-08	9.05E-06	4.76E-06	5.21E-07	4.42E-04	2.03E-06	4.99E-05	2.09E-04	3.91E-05
HHR39	2.82E-08	4.03E-06	3.64E-06	4.27E-07	1.69E-04	1.34E-06	1.72E-05	1.67E-04	1.35E-05
HHR40	2.53E-08	3.32E-06	3.45E-06	3.65E-07	1.43E-04	1.17E-06	1.46E-05	1.46E-04	1.14E-05
HHR41	2.38E-08	4.31E-06	3.44E-06	3.24E-07	1.88E-04	1.45E-06	1.94E-05	1.89E-04	1.52E-05
HHR42	3.21E-08	3.17E-06	3.43E-06	3.97E-07	2.04E-04	1.59E-06	2.16E-05	1.27E-04	1.69E-05
HHR43	1.68E-07	1.03E-05	7.97E-06	2.10E-06	3.96E-04	4.25E-06	4.68E-05	1.33E-04	3.67E-05
HHR44	1.23E-07	1.45E-05	7.34E-06	1.99E-06	4.50E-04	4.13E-06	5.50E-05	1.21E-04	4.31E-05
HHR45	2.15E-08	1.36E-06	5.89E-06	3.78E-07	4.40E-05	1.16E-06	3.75E-06	9.17E-05	2.94E-06
HHR46	6.20E-08	2.56E-06	3.04E-05	7.74E-07	1.12E-04	2.33E-06	7.07E-06	2.84E-04	5.54E-06
HHR47	4.53E-08	2.54E-06	2.43E-05	7.09E-07	1.41E-04	1.80E-06	8.85E-06	3.33E-04	6.94E-06
HHR48	2.58E-08	3.15E-06	3.43E-06	3.66E-07	1.35E-04	1.11E-06	1.36E-05	1.37E-04	1.07E-05
HHR49	6.37E-08	2.46E-06	2.70E-05	7.47E-07	8.97E-05	2.24E-06	6.13E-06	2.75E-04	4.81E-06
HHR50	4.45E-08	2.56E-06	2.72E-05	7.61E-07	1.50E-04	1.90E-06	9.56E-06	4.84E-04	7.50E-06
HHR51	5.89E-08	1.93E-06	2.43E-05	9.95E-07	6.97E-05	2.21E-06	4.96E-06	2.81E-04	3.89E-06
HHR52	5.10E-08	5.17E-06	2.07E-05	9.18E-07	1.85E-04	1.99E-06	2.11E-05	3.67E-04	1.65E-05
HHR53	6.38E-08	3.27E-06	3.56E-05	8.97E-07	1.74E-04	2.48E-06	9.23E-06	6.95E-04	7.23E-06
HHR54	5.78E-08	4.42E-06	2.51E-05	1.40E-06	1.68E-04	2.89E-06	1.69E-05	4.54E-04	1.32E-05
HHR55	4.42E-08	2.63E-06	2.20E-05	6.81E-07	1.39E-04	1.82E-06	1.02E-05	4.05E-04	8.02E-06
HHR56	4.80E-08	4.26E-06	4.79E-05	1.30E-06	2.09E-04	2.68E-06	1.72E-05	3.92E-04	1.35E-05
HHR57	6.21E-08	4.63E-06	4.71E-05	2.42E-06	2.33E-04	4.84E-06	2.15E-05	2.79E-04	1.69E-05
HHR58	6.03E-08	1.74E-06	2.09E-05	1.36E-06	4.90E-05	2.79E-06	3.51E-06	2.32E-04	2.75E-06
HHR59	6.33E-08	1.74E-06	1.85E-05	1.47E-06	4.55E-05	2.92E-06	3.46E-06	2.14E-04	2.71E-06
HHR60	7.99E-08	2.11E-06	2.24E-05	1.65E-06	5.66E-05	3.18E-06	4.11E-06	2.42E-04	3.22E-06
HHR61	8.50E-08	4.65E-06	1.85E-05	4.10E-06	2.69E-04	8.24E-06	2.36E-05	1.40E-03	1.85E-05
HHR62	1.46E-07	6.74E-06	1.59E-05	6.49E-06	4.88E-04	1.28E-05	2.27E-05	4.88E-04	1.78E-05
HHR63	2.60E-07	4.80E-06	9.12E-06	4.83E-06	3.16E-04	9.37E-06	2.96E-05	1.66E-04	2.32E-05
HHR64	3.00E-08	7.52E-06	3.80E-06	4.61E-07	3.51E-04	1.72E-06	3.78E-05	2.28E-04	2.97E-05
HHR65	3.27E-07	5.67E-06	8.68E-06	2.95E-06	3.99E-04	5.94E-06	3.53E-05	1.48E-04	2.77E-05
HHR66	6.10E-08	1.26E-06	1.01E-05	1.42E-06	5.63E-05	2.73E-06	6.01E-06	1.34E-04	4.71E-06
HHR67	7.85E-08	1.50E-06	1.33E-05	2.06E-06	8.49E-05	3.95E-06	9.11E-06	1.35E-04	7.15E-06

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	1.00E-07	2.31E-06	9.78E-06	1.38E-06	1.45E-04	2.64E-06	1.28E-05	1.36E-04	1.00E-05
HHR69	2.54E-08	2.42E-06	3.59E-06	3.59E-07	1.09E-04	1.03E-06	1.08E-05	1.27E-04	8.49E-06
HHR70	2.60E-08	3.38E-06	3.54E-06	3.77E-07	1.43E-04	1.19E-06	1.44E-05	1.51E-04	1.13E-05
HHR71	3.08E-08	2.37E-05	3.80E-06	4.97E-07	6.90E-04	3.69E-06	7.32E-05	3.79E-04	5.74E-05
HHR72	4.22E-08	6.55E-07	7.88E-06	7.67E-07	3.89E-05	1.47E-06	4.07E-06	9.41E-05	3.19E-06
HHR73	9.15E-08	3.71E-06	9.10E-06	1.51E-06	1.98E-04	2.97E-06	2.15E-05	1.02E-04	1.68E-05
HHR74	3.10E-08	8.91E-06	3.47E-06	5.62E-07	6.48E-04	1.55E-06	6.97E-05	1.99E-04	5.47E-05
HHR75	7.10E-08	9.56E-06	4.88E-06	9.99E-07	5.02E-04	3.24E-06	6.65E-05	3.46E-04	5.21E-05
HHR76	7.77E-08	7.67E-06	5.83E-06	8.41E-07	5.21E-04	3.25E-06	5.80E-05	2.74E-04	4.55E-05
HHR77	4.25E-08	1.25E-05	5.17E-06	5.86E-07	4.43E-04	1.31E-06	5.35E-05	9.20E-05	4.20E-05
HHR78	3.27E-08	8.36E-06	3.85E-06	4.97E-07	3.73E-04	1.43E-06	4.00E-05	1.89E-04	3.14E-05
HHR79	3.21E-08	8.12E-06	4.00E-06	5.77E-07	5.91E-04	1.49E-06	6.32E-05	1.55E-04	4.96E-05
HHR80	4.72E-08	6.60E-06	4.32E-06	5.21E-07	2.92E-04	1.67E-06	3.54E-05	1.10E-04	2.78E-05
HHR81	3.85E-08	4.71E-06	3.74E-06	5.92E-07	3.09E-04	1.72E-06	3.29E-05	1.16E-04	2.59E-05
HHR82	3.33E-08	3.91E-06	4.05E-06	5.14E-07	2.51E-04	1.77E-06	2.67E-05	9.87E-05	2.09E-05
HHR83	3.52E-08	4.67E-06	3.83E-06	5.60E-07	3.10E-04	1.80E-06	3.30E-05	1.13E-04	2.59E-05
MPOI	1.47E-06	9.91E-05	1.22E-04	1.46E-05	7.31E-03	2.83E-05	4.21E-04	2.58E-03	3.30E-04

Table M2-5: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	9.63E-06	1.01E-05	1.50E-07	5.76E-03	5.04E-02	7.43E-06	7.75E-02	9.44E-05
HHR2	8.70E-06	1.71E-05	1.12E-07	1.62E-02	1.09E-01	6.21E-06	1.89E-01	7.86E-05
HHR3	1.73E-06	7.68E-06	1.02E-07	5.93E-04	2.11E-03	2.22E-06	3.43E-03	2.80E-05
HHR4	4.88E-06	7.77E-06	1.01E-07	2.78E-03	3.41E-02	4.62E-06	5.20E-02	6.01E-05
HHR5	2.75E-06	4.45E-05	2.63E-07	2.94E-03	7.77E-02	5.89E-06	1.29E-01	7.53E-05
HHR6	1.46E-06	7.14E-06	4.81E-08	1.09E-03	3.73E-03	2.11E-06	5.80E-03	2.65E-05
HHR7	6.60E-07	7.10E-06	5.05E-08	1.82E-04	1.41E-03	9.36E-07	2.02E-03	1.13E-05
HHR8	3.60E-06	7.24E-06	8.47E-08	2.53E-03	2.15E-02	3.83E-06	3.37E-02	4.88E-05
HHR9	4.58E-06	1.09E-05	9.03E-08	2.95E-03	2.72E-02	4.44E-06	4.17E-02	5.67E-05
HHR10	1.21E-06	2.29E-05	1.40E-07	8.91E-04	8.48E-03	1.59E-06	1.31E-02	1.97E-05
HHR11	1.01E-06	5.33E-06	3.51E-08	1.40E-03	5.70E-03	1.38E-06	8.20E-03	2.61E-05
HHR12	2.75E-06	6.64E-06	6.81E-08	2.63E-03	2.07E-02	3.27E-06	3.21E-02	4.56E-05
HHR13	1.10E-06	6.29E-06	3.41E-08	1.65E-03	6.79E-03	1.36E-06	9.37E-03	5.50E-05
HHR14	9.10E-06	9.06E-06	1.29E-07	8.80E-03	7.29E-02	8.65E-06	1.22E-01	1.10E-04
HHR15	1.34E-06	1.46E-05	9.08E-08	1.56E-04	1.24E-03	1.53E-06	1.92E-03	1.94E-05
HHR16	9.53E-07	3.30E-06	3.70E-08	1.02E-03	3.81E-03	1.06E-06	5.52E-03	1.22E-05
HHR17	7.16E-07	3.64E-06	3.03E-08	1.63E-03	2.28E-03	7.68E-07	2.41E-03	1.40E-05
HHR18	9.80E-07	3.61E-06	5.01E-08	2.32E-03	5.77E-03	1.35E-06	5.33E-03	3.49E-05
HHR19	9.27E-07	3.86E-06	7.18E-08	2.31E-03	6.90E-03	1.00E-06	5.82E-03	3.98E-05
HHR20	8.97E-07	3.91E-06	5.89E-08	2.32E-03	7.24E-03	1.17E-06	6.13E-03	3.75E-05
HHR21	1.10E-06	5.71E-06	3.43E-08	1.53E-03	6.30E-03	1.37E-06	8.89E-03	3.99E-05
HHR22	2.43E-06	8.62E-06	5.18E-08	2.36E-03	1.44E-02	3.00E-06	2.19E-02	3.95E-05
HHR23	3.47E-06	6.89E-06	7.78E-08	2.06E-03	2.46E-02	5.17E-06	3.82E-02	5.29E-05
HHR24	3.20E-06	6.82E-06	7.46E-08	2.17E-03	2.35E-02	4.30E-06	3.65E-02	4.84E-05
HHR25	2.22E-06	9.97E-06	6.04E-08	1.56E-03	9.15E-03	1.96E-06	1.47E-02	2.50E-05
HHR26	2.35E-06	1.29E-05	7.82E-08	6.49E-04	3.26E-03	3.25E-06	5.46E-03	4.11E-05
HHR27	1.90E-06	1.05E-05	6.41E-08	4.44E-04	3.64E-03	2.68E-06	5.94E-03	3.38E-05
HHR28	7.22E-07	5.80E-06	4.18E-08	4.21E-04	3.49E-03	1.05E-06	5.46E-03	1.25E-05
HHR29	1.30E-06	6.08E-06	5.52E-08	1.81E-03	1.20E-02	1.65E-06	1.59E-02	5.47E-05
HHR30	2.57E-06	2.21E-05	1.31E-07	1.75E-03	2.09E-02	3.45E-06	3.32E-02	4.42E-05
HHR31	1.59E-06	1.19E-05	1.99E-07	4.68E-03	4.81E-02	1.98E-06	4.03E-02	1.26E-04
HHR32	1.55E-06	8.43E-06	6.61E-08	2.18E-03	1.82E-02	1.86E-06	1.98E-02	8.43E-05
HHR33	2.39E-06	1.13E-05	7.23E-08	4.82E-03	1.73E-02	2.00E-06	2.36E-02	1.17E-04

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	9.36E-07	2.94E-06	3.55E-08	9.65E-04	3.75E-03	9.64E-07	5.43E-03	1.11E-05
HHR35	1.43E-06	8.08E-06	5.47E-08	2.49E-03	1.29E-02	1.44E-06	1.56E-02	7.80E-05
HHR36	2.62E-06	7.11E-06	6.55E-08	5.38E-03	1.81E-02	2.49E-06	2.78E-02	5.89E-05
HHR37	2.28E-06	3.50E-05	2.10E-07	2.51E-03	5.33E-02	8.89E-06	8.77E-02	1.13E-04
HHR38	1.27E-06	5.71E-06	6.28E-08	1.31E-02	1.04E-02	1.31E-06	1.41E-02	3.40E-05
HHR39	8.11E-07	3.84E-06	3.83E-08	2.00E-03	2.73E-03	9.27E-07	2.74E-03	1.77E-05
HHR40	7.42E-07	3.64E-06	2.97E-08	1.63E-03	2.34E-03	8.15E-07	2.51E-03	1.45E-05
HHR41	6.72E-07	3.65E-06	3.80E-08	2.39E-03	2.98E-03	7.35E-07	2.80E-03	1.87E-05
HHR42	1.02E-06	3.58E-06	3.88E-08	1.13E-03	4.02E-03	1.12E-06	5.84E-03	1.33E-05
HHR43	5.17E-06	8.58E-06	1.06E-07	2.80E-03	3.51E-02	4.44E-06	5.34E-02	5.82E-05
HHR44	4.18E-06	7.88E-06	8.61E-08	2.19E-03	2.83E-02	4.21E-06	4.32E-02	5.95E-05
HHR45	7.81E-07	6.26E-06	4.15E-08	3.40E-04	2.76E-03	9.53E-07	4.22E-03	1.10E-05
HHR46	1.64E-06	3.23E-05	1.90E-07	5.92E-04	7.72E-03	1.93E-06	1.26E-02	2.25E-05
HHR47	1.32E-06	2.59E-05	1.55E-07	6.78E-04	9.06E-03	1.64E-06	1.46E-02	2.03E-05
HHR48	7.55E-07	3.61E-06	2.87E-08	1.47E-03	2.25E-03	8.17E-07	2.53E-03	1.37E-05
HHR49	2.11E-06	2.87E-05	1.69E-07	5.27E-04	7.34E-03	1.89E-06	1.11E-02	2.13E-05
HHR50	1.23E-06	2.89E-05	1.75E-07	7.12E-04	9.79E-03	1.73E-06	1.55E-02	2.23E-05
HHR51	1.92E-06	2.58E-05	1.56E-07	4.42E-04	6.40E-03	2.16E-06	9.63E-03	2.68E-05
HHR52	8.97E-07	2.20E-05	1.33E-07	8.63E-04	1.00E-02	1.99E-06	1.56E-02	2.62E-05
HHR53	1.72E-06	3.78E-05	2.22E-07	7.08E-04	1.22E-02	2.07E-06	1.96E-02	2.47E-05
HHR54	1.03E-06	2.67E-05	1.60E-07	9.56E-04	1.15E-02	3.00E-06	1.72E-02	3.89E-05
HHR55	1.25E-06	2.34E-05	1.46E-07	7.31E-04	9.55E-03	1.57E-06	1.36E-02	2.08E-05
HHR56	1.88E-06	5.10E-05	3.01E-07	1.32E-03	1.67E-02	2.79E-06	2.78E-02	3.48E-05
HHR57	2.00E-06	5.01E-05	2.95E-07	1.56E-03	3.00E-02	5.15E-06	5.05E-02	6.51E-05
HHR58	2.33E-06	2.22E-05	1.35E-07	3.25E-04	5.43E-03	2.91E-06	8.54E-03	3.64E-05
HHR59	1.96E-06	1.96E-05	1.19E-07	3.25E-04	5.84E-03	3.12E-06	9.23E-03	3.92E-05
HHR60	2.96E-06	2.39E-05	1.43E-07	3.71E-04	8.08E-03	3.47E-06	1.29E-02	4.39E-05
HHR61	2.83E-06	1.97E-05	1.21E-07	2.74E-03	1.34E-01	8.73E-06	2.28E-01	1.09E-04
HHR62	4.65E-06	1.72E-05	1.02E-07	3.49E-03	2.50E-01	1.37E-05	4.34E-01	1.73E-04
HHR63	7.95E-06	9.80E-06	1.25E-07	6.06E-03	8.06E-02	1.01E-05	1.36E-01	1.29E-04
HHR64	8.30E-07	4.03E-06	1.05E-07	2.67E-03	3.91E-03	9.74E-07	3.98E-03	3.56E-05
HHR65	7.34E-06	9.32E-06	1.39E-07	5.06E-03	5.52E-02	6.21E-06	8.53E-02	7.96E-05
HHR66	2.02E-06	1.07E-05	6.64E-08	4.64E-04	3.56E-03	2.98E-06	5.81E-03	3.76E-05
HHR67	2.84E-06	1.41E-05	8.50E-08	6.26E-04	4.44E-03	4.31E-06	7.18E-03	5.46E-05

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	2.67E-06	1.04E-05	6.34E-08	1.24E-03	6.83E-03	2.88E-06	1.09E-02	3.65E-05
HHR69	6.72E-07	3.79E-06	2.99E-08	1.06E-03	1.89E-03	8.13E-07	2.45E-03	1.08E-05
HHR70	7.82E-07	3.73E-06	3.13E-08	1.54E-03	2.36E-03	8.26E-07	2.64E-03	1.48E-05
HHR71	9.38E-07	5.69E-06	3.49E-07	5.83E-03	9.28E-03	1.60E-06	6.96E-03	1.14E-04
HHR72	1.33E-06	8.35E-06	5.29E-08	2.39E-04	2.45E-03	1.61E-06	3.96E-03	2.03E-05
HHR73	2.34E-06	9.67E-06	5.79E-08	1.61E-03	1.50E-02	3.18E-06	2.32E-02	4.13E-05
HHR74	9.37E-07	3.76E-06	5.29E-08	2.29E-03	5.88E-03	1.28E-06	5.23E-03	3.53E-05
HHR75	2.72E-06	5.23E-06	5.90E-08	2.33E-03	1.60E-02	2.14E-06	2.48E-02	3.55E-05
HHR76	1.97E-06	6.23E-06	1.19E-07	1.05E-02	1.06E-02	1.95E-06	1.58E-02	2.82E-05
HHR77	1.22E-06	5.76E-06	3.48E-08	1.55E-03	6.26E-03	1.26E-06	9.08E-03	4.55E-05
HHR78	8.45E-07	4.09E-06	1.08E-07	2.50E-03	4.52E-03	1.05E-06	4.42E-03	3.80E-05
HHR79	9.21E-07	4.26E-06	4.47E-08	2.16E-03	5.94E-03	1.28E-06	6.00E-03	3.12E-05
HHR80	1.13E-06	4.60E-06	3.82E-08	3.46E-03	6.00E-03	1.15E-06	9.12E-03	2.43E-05
HHR81	1.29E-06	3.96E-06	3.91E-08	1.35E-03	4.80E-03	1.47E-06	6.97E-03	1.90E-05
HHR82	1.32E-06	4.31E-06	4.19E-08	1.29E-03	4.93E-03	1.39E-06	7.17E-03	1.64E-05
HHR83	1.26E-06	4.05E-06	4.03E-08	1.46E-03	4.61E-03	1.47E-06	6.70E-03	1.89E-05
MPOI	3.05E-05	1.29E-04	1.76E-06	1.80E-01	1.45E+00	3.07E-05	2.53E+00	5.07E-04

Table M2-6: Application Acute 1-hour Air Concentrations for Lewis Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	2.05E-03	9.65E-06	8.80E-09	2.03E-02	1.66E-03	1.17E+00	6.41E-01	1.61E-05	6.03E-06
HHR2	5.61E-03	8.76E-06	1.18E-08	1.85E-02	1.51E-03	1.02E+00	8.28E-01	1.21E-05	5.48E-06
HHR3	4.96E-04	1.30E-06	3.27E-08	2.74E-03	2.23E-04	4.59E-01	5.61E-02	1.17E-05	8.15E-07
HHR4	1.47E-03	1.11E-05	7.39E-09	2.34E-02	1.91E-03	1.28E+00	3.63E-01	1.71E-05	6.96E-06
HHR5	1.26E-03	5.73E-06	1.65E-08	1.21E-02	9.92E-04	6.64E-01	2.31E-01	1.10E-05	3.59E-06
HHR6	1.32E-03	6.00E-06	7.22E-09	1.26E-02	1.03E-03	1.53E+00	1.18E-01	7.47E-06	3.75E-06
HHR7	1.26E-04	6.28E-07	4.43E-09	1.34E-03	1.16E-04	9.47E-02	2.35E-02	1.53E-06	3.93E-07
HHR8	1.71E-03	1.42E-05	6.67E-09	2.99E-02	2.44E-03	1.19E+00	3.08E-01	1.52E-05	8.90E-06
HHR9	1.52E-03	1.20E-05	7.15E-09	2.53E-02	2.06E-03	1.18E+00	3.76E-01	1.30E-05	7.52E-06
HHR10	5.12E-04	2.76E-06	1.14E-08	5.83E-03	4.77E-04	3.43E-01	9.81E-02	1.05E-05	1.73E-06
HHR11	1.50E-03	7.97E-06	5.23E-09	1.67E-02	1.36E-03	1.62E+00	1.44E-01	1.01E-05	4.98E-06
HHR12	2.30E-03	1.61E-05	1.02E-08	3.40E-02	2.77E-03	1.63E+00	2.33E-01	1.77E-05	1.01E-05
HHR13	1.67E-03	1.41E-05	5.12E-09	2.96E-02	2.42E-03	1.77E+00	1.81E-01	2.07E-05	8.83E-06
HHR14	3.02E-03	7.45E-06	9.05E-09	1.57E-02	1.28E-03	9.92E-01	5.83E-01	1.40E-05	4.66E-06
HHR15	1.09E-04	7.21E-07	6.75E-09	1.52E-03	1.25E-04	9.92E-02	1.86E-02	2.68E-06	4.51E-07
HHR16	1.01E-03	4.09E-06	5.95E-09	8.61E-03	7.03E-04	1.08E+00	9.00E-02	5.04E-06	2.56E-06
HHR17	1.42E-03	3.14E-06	8.51E-09	6.62E-03	5.39E-04	1.30E+00	9.54E-02	6.44E-06	1.96E-06
HHR18	2.74E-03	1.46E-05	1.04E-08	3.07E-02	2.50E-03	3.20E+00	2.62E-01	1.50E-05	9.12E-06
HHR19	2.85E-03	1.49E-05	9.25E-09	3.12E-02	2.55E-03	3.40E+00	2.89E-01	1.70E-05	9.28E-06
HHR20	2.95E-03	1.67E-05	9.81E-09	3.52E-02	2.87E-03	3.53E+00	3.17E-01	1.57E-05	1.05E-05
HHR21	1.53E-03	1.10E-05	5.44E-09	2.31E-02	1.89E-03	1.62E+00	1.66E-01	1.51E-05	6.89E-06
HHR22	2.08E-03	5.79E-06	6.96E-09	1.22E-02	9.93E-04	1.86E+00	1.55E-01	6.53E-06	3.62E-06
HHR23	1.55E-03	1.32E-05	7.49E-09	2.78E-02	2.27E-03	1.21E+00	2.66E-01	1.90E-05	8.27E-06
HHR24	1.79E-03	1.39E-05	7.70E-09	2.93E-02	2.39E-03	1.33E+00	2.57E-01	1.73E-05	8.70E-06
HHR25	7.23E-04	3.40E-06	6.19E-09	7.13E-03	5.82E-04	7.00E-01	1.61E-01	4.10E-06	2.12E-06
HHR26	6.15E-04	2.36E-06	9.31E-09	4.98E-03	4.07E-04	6.75E-01	6.62E-02	4.43E-06	1.48E-06
HHR27	3.79E-04	1.31E-06	1.06E-08	2.76E-03	2.26E-04	3.84E-01	4.47E-02	3.48E-06	8.20E-07
HHR28	2.56E-04	9.53E-07	7.16E-09	2.02E-03	1.64E-04	1.67E-01	5.52E-02	3.55E-06	5.96E-07
HHR29	1.54E-03	1.77E-05	9.85E-09	3.71E-02	3.03E-03	1.00E+00	2.54E-01	2.14E-05	1.10E-05
HHR30	9.64E-04	4.91E-06	1.16E-08	1.04E-02	8.47E-04	5.44E-01	1.82E-01	7.41E-06	3.07E-06
HHR31	4.73E-03	5.66E-05	2.31E-08	1.19E-01	9.70E-03	1.13E+00	6.07E-01	5.30E-05	3.54E-05
HHR32	2.25E-03	2.56E-05	1.45E-08	5.39E-02	4.39E-03	1.29E+00	4.16E-01	3.22E-05	1.60E-05
HHR33	4.21E-03	5.08E-05	8.20E-09	1.07E-01	8.70E-03	3.10E+00	3.46E-01	4.48E-05	3.17E-05

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR34	9.03E-04	3.56E-06	5.80E-09	7.50E-03	6.11E-04	9.51E-01	8.22E-02	4.45E-06	2.23E-06
HHR35	2.21E-03	2.28E-05	1.03E-08	4.79E-02	3.91E-03	1.64E+00	3.24E-01	2.96E-05	1.43E-05
HHR36	4.51E-03	2.40E-05	1.00E-08	5.05E-02	4.12E-03	3.35E+00	2.78E-01	2.33E-05	1.50E-05
HHR37	1.33E-03	6.03E-06	1.34E-08	1.27E-02	1.04E-03	6.84E-01	2.47E-01	9.39E-06	3.77E-06
HHR38	1.00E-02	1.08E-05	1.11E-08	2.27E-02	1.85E-03	7.72E+00	3.87E-01	1.35E-05	6.74E-06
HHR39	1.70E-03	3.72E-06	9.09E-09	7.85E-03	6.39E-04	1.50E+00	1.10E-01	8.24E-06	2.32E-06
HHR40	1.40E-03	3.14E-06	7.88E-09	6.63E-03	5.40E-04	1.25E+00	9.55E-02	6.69E-06	1.96E-06
HHR41	2.06E-03	4.19E-06	1.05E-08	8.83E-03	7.19E-04	1.87E+00	1.28E-01	8.65E-06	2.62E-06
HHR42	1.10E-03	4.66E-06	6.85E-09	9.81E-03	8.01E-04	1.18E+00	9.92E-02	5.53E-06	2.91E-06
HHR43	1.44E-03	1.01E-05	7.18E-09	2.12E-02	1.73E-03	1.26E+00	3.59E-01	1.49E-05	6.32E-06
HHR44	1.49E-03	1.19E-05	6.41E-09	2.50E-02	2.04E-03	1.35E+00	2.82E-01	2.03E-05	7.43E-06
HHR45	2.19E-04	8.08E-07	5.69E-09	1.71E-03	1.40E-04	1.54E-01	4.23E-02	2.61E-06	5.05E-07
HHR46	3.45E-04	1.53E-06	1.46E-08	3.21E-03	2.63E-04	2.17E-01	5.98E-02	4.21E-06	9.54E-07
HHR47	3.65E-04	1.91E-06	1.80E-08	4.02E-03	3.29E-04	2.56E-01	6.96E-02	4.40E-06	1.19E-06
HHR48	1.28E-03	2.93E-06	7.55E-09	6.19E-03	5.04E-04	1.14E+00	8.93E-02	6.35E-06	1.83E-06
HHR49	3.26E-04	1.32E-06	1.42E-08	2.79E-03	2.28E-04	2.12E-01	5.35E-02	3.89E-06	8.28E-07
HHR50	3.74E-04	2.07E-06	2.78E-08	4.35E-03	3.56E-04	2.75E-01	7.32E-02	5.42E-06	1.29E-06
HHR51	2.95E-04	1.07E-06	1.44E-08	2.25E-03	1.84E-04	2.15E-01	4.71E-02	3.67E-06	6.69E-07
HHR52	5.91E-04	4.55E-06	1.99E-08	9.64E-03	7.86E-04	3.76E-01	9.68E-02	9.17E-06	2.85E-06
HHR53	3.85E-04	1.99E-06	3.63E-08	4.19E-03	3.43E-04	2.72E-01	6.92E-02	6.13E-06	1.25E-06
HHR54	6.45E-04	3.65E-06	2.42E-08	7.71E-03	6.29E-04	3.96E-01	1.02E-01	8.39E-06	2.28E-06
HHR55	3.90E-04	2.21E-06	2.34E-08	4.65E-03	3.80E-04	2.90E-01	7.54E-02	5.38E-06	1.38E-06
HHR56	7.09E-04	3.72E-06	2.09E-08	7.88E-03	6.41E-04	4.37E-01	1.23E-01	6.74E-06	2.32E-06
HHR57	9.08E-04	4.65E-06	1.44E-08	9.82E-03	8.01E-04	5.55E-01	1.53E-01	7.23E-06	2.91E-06
HHR58	2.08E-04	7.58E-07	1.20E-08	1.60E-03	1.30E-04	1.72E-01	3.65E-02	4.25E-06	4.74E-07
HHR59	2.09E-04	7.46E-07	1.10E-08	1.57E-03	1.29E-04	1.71E-01	3.45E-02	4.04E-06	4.66E-07
HHR60	2.45E-04	8.89E-07	1.24E-08	1.87E-03	1.53E-04	2.05E-01	3.64E-02	4.99E-06	5.56E-07
HHR61	1.02E-03	5.09E-06	7.21E-08	1.07E-02	8.77E-04	6.37E-01	2.24E-01	7.38E-06	3.18E-06
HHR62	1.40E-03	4.91E-06	2.52E-08	1.04E-02	8.45E-04	6.51E-01	2.81E-01	1.01E-05	3.07E-06
HHR63	2.22E-03	6.40E-06	9.06E-09	1.35E-02	1.10E-03	8.76E-01	4.76E-01	1.32E-05	4.00E-06
HHR64	2.25E-03	8.16E-06	1.18E-08	1.72E-02	1.40E-03	2.02E+00	1.48E-01	1.75E-05	5.10E-06
HHR65	2.07E-03	7.63E-06	7.64E-09	1.60E-02	1.31E-03	1.08E+00	7.09E-01	1.46E-05	4.77E-06
HHR66	4.02E-04	1.30E-06	1.13E-08	2.73E-03	2.26E-04	4.15E-01	4.68E-02	3.61E-06	8.10E-07
HHR67	4.76E-04	1.97E-06	1.08E-08	4.14E-03	3.38E-04	5.26E-01	6.48E-02	4.85E-06	1.23E-06

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR68	5.87E-04	2.76E-06	7.01E-09	5.81E-03	4.74E-04	5.30E-01	1.32E-01	4.49E-06	1.73E-06
HHR69	9.14E-04	2.34E-06	7.08E-09	4.93E-03	4.02E-04	8.35E-01	7.39E-02	4.77E-06	1.46E-06
HHR70	1.35E-03	3.11E-06	8.34E-09	6.56E-03	5.34E-04	1.22E+00	9.19E-02	6.84E-06	1.94E-06
HHR71	5.12E-03	1.58E-05	1.96E-08	3.34E-02	2.72E-03	4.81E+00	3.16E-01	5.76E-05	9.88E-06
HHR72	1.57E-04	8.77E-07	5.84E-09	1.85E-03	1.53E-04	1.41E-01	2.35E-02	2.48E-06	5.48E-07
HHR73	1.39E-03	4.64E-06	6.56E-09	9.76E-03	7.96E-04	1.29E+00	1.75E-01	5.79E-06	2.90E-06
HHR74	2.78E-03	1.51E-05	1.05E-08	3.16E-02	2.58E-03	3.31E+00	2.71E-01	1.50E-05	9.40E-06
HHR75	2.02E-03	1.44E-05	1.79E-08	3.02E-02	2.46E-03	1.49E+00	2.01E-01	1.39E-05	8.99E-06
HHR76	2.89E-03	1.25E-05	1.42E-08	2.63E-02	2.15E-03	2.61E+00	2.32E-01	1.12E-05	7.83E-06
HHR77	1.41E-03	1.16E-05	5.10E-09	2.43E-02	1.98E-03	1.47E+00	1.66E-01	1.71E-05	7.23E-06
HHR78	2.46E-03	8.64E-06	9.78E-09	1.82E-02	1.48E-03	2.49E+00	1.73E-01	1.82E-05	5.40E-06
HHR79	2.57E-03	1.37E-05	8.37E-09	2.87E-02	2.34E-03	3.00E+00	2.58E-01	1.32E-05	8.53E-06
HHR80	2.64E-03	7.66E-06	5.92E-09	1.61E-02	1.31E-03	2.06E+00	1.54E-01	9.33E-06	4.79E-06
HHR81	1.62E-03	7.11E-06	6.17E-09	1.50E-02	1.22E-03	1.83E+00	1.42E-01	8.18E-06	4.44E-06
HHR82	1.43E-03	5.76E-06	5.84E-09	1.21E-02	9.89E-04	1.56E+00	1.18E-01	6.87E-06	3.60E-06
HHR83	1.66E-03	7.13E-06	6.05E-09	1.50E-02	1.22E-03	1.83E+00	1.40E-01	8.17E-06	4.46E-06
MPOI	5.20E-02	9.11E-05	2.90E-07	1.92E-01	1.56E-02	2.84E+01	1.62E+01	2.66E-04	5.70E-05

Table M2-6: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	3.57E-09	1.15E-02	1.18E-06	1.45E-05	9.23E-03	4.92E-05	3.84E-03	4.57E-07
HHR2	2.07E-09	2.78E-02	1.40E-06	1.20E-05	2.42E-02	1.50E-04	3.56E-03	2.71E-07
HHR3	5.10E-09	1.05E-03	3.95E-07	4.27E-06	1.07E-03	4.58E-05	5.19E-04	7.13E-08
HHR4	2.19E-09	7.01E-03	1.06E-06	1.35E-05	6.44E-03	4.79E-05	4.42E-03	2.04E-07
HHR5	2.47E-09	5.99E-03	1.69E-06	1.16E-05	7.52E-03	3.17E-04	2.42E-03	1.29E-07
HHR6	1.31E-09	2.07E-03	2.77E-07	4.82E-06	1.46E-03	1.22E-05	2.39E-03	5.28E-08
HHR7	7.78E-10	5.06E-04	1.64E-07	1.83E-06	3.27E-04	2.40E-05	2.75E-04	2.93E-08
HHR8	1.83E-09	6.74E-03	1.10E-06	1.13E-05	4.78E-03	4.49E-05	5.65E-03	1.59E-07
HHR9	1.99E-09	7.49E-03	1.13E-06	9.97E-06	5.09E-03	7.51E-05	4.78E-03	1.75E-07
HHR10	4.29E-09	2.13E-03	5.68E-07	3.50E-06	1.62E-03	2.09E-04	1.14E-03	4.77E-08
HHR11	1.19E-09	2.81E-03	3.53E-07	7.96E-06	1.97E-03	1.14E-05	3.16E-03	4.35E-08
HHR12	3.07E-09	5.50E-03	8.60E-07	1.34E-05	4.42E-03	5.67E-05	6.43E-03	9.20E-08
HHR13	1.21E-09	3.90E-03	5.50E-07	1.69E-05	2.80E-03	1.17E-05	5.61E-03	4.35E-08
HHR14	2.84E-09	1.56E-02	1.29E-06	1.68E-05	1.35E-02	4.38E-05	2.97E-03	3.75E-07
HHR15	1.31E-09	3.68E-04	2.39E-07	3.01E-06	2.79E-04	1.06E-05	2.89E-04	3.47E-08
HHR16	1.19E-09	1.59E-03	2.45E-07	3.38E-06	1.16E-03	1.07E-05	1.63E-03	3.24E-08
HHR17	1.32E-09	1.39E-03	1.54E-07	3.75E-06	1.18E-03	1.21E-05	1.25E-03	2.40E-08
HHR18	1.59E-09	4.26E-03	3.09E-07	9.97E-06	2.62E-03	1.44E-05	5.81E-03	3.22E-08
HHR19	1.40E-09	4.94E-03	3.46E-07	1.14E-05	3.18E-03	1.28E-05	5.91E-03	3.27E-08
HHR20	1.56E-09	5.27E-03	3.54E-07	1.12E-05	3.27E-03	1.45E-05	6.65E-03	3.10E-08
HHR21	1.20E-09	3.42E-03	4.47E-07	1.22E-05	2.43E-03	1.16E-05	4.38E-03	4.45E-08
HHR22	1.69E-09	3.03E-03	6.60E-07	6.40E-06	2.44E-03	1.91E-05	2.30E-03	9.22E-08
HHR23	5.35E-09	5.29E-03	1.03E-06	1.48E-05	4.34E-03	5.18E-05	5.27E-03	1.27E-07
HHR24	4.21E-09	5.26E-03	9.90E-07	1.31E-05	4.25E-03	7.02E-05	5.56E-03	1.07E-07
HHR25	1.30E-09	2.64E-03	5.92E-07	3.85E-06	2.01E-03	1.31E-05	1.35E-03	8.59E-08
HHR26	1.81E-09	1.32E-03	3.34E-07	6.28E-06	1.07E-03	1.43E-05	9.42E-04	7.64E-08
HHR27	1.80E-09	9.11E-04	3.36E-07	5.15E-06	7.78E-04	1.59E-05	5.25E-04	5.83E-08
HHR28	1.37E-09	8.64E-04	4.77E-07	2.01E-06	6.62E-04	4.97E-05	3.83E-04	3.02E-08
HHR29	2.27E-09	7.51E-03	6.33E-07	1.65E-05	5.22E-03	1.79E-05	7.01E-03	4.55E-08
HHR30	1.74E-09	3.74E-03	8.37E-07	6.85E-06	2.86E-03	4.67E-05	1.97E-03	7.97E-08
HHR31	3.51E-09	2.64E-02	1.24E-06	3.68E-05	2.28E-02	3.23E-05	2.25E-02	5.43E-08
HHR32	2.21E-09	1.22E-02	8.82E-07	2.56E-05	8.68E-03	2.26E-05	1.02E-02	5.40E-08
HHR33	1.46E-09	1.35E-02	1.26E-06	3.59E-05	9.45E-03	3.47E-05	2.01E-02	8.28E-08

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	1.17E-09	1.60E-03	2.42E-07	3.05E-06	1.19E-03	1.05E-05	1.42E-03	3.11E-08
HHR35	2.52E-09	9.43E-03	7.99E-07	2.38E-05	6.21E-03	2.15E-05	9.05E-03	4.92E-08
HHR36	1.85E-09	7.43E-03	8.20E-07	1.78E-05	5.74E-03	1.04E-04	9.56E-03	8.11E-08
HHR37	2.02E-09	5.54E-03	1.25E-06	1.73E-05	5.65E-03	6.62E-05	2.43E-03	9.94E-08
HHR38	3.14E-09	5.57E-03	5.07E-07	1.02E-05	5.27E-03	2.46E-05	4.28E-03	4.63E-08
HHR39	1.55E-09	1.71E-03	1.45E-07	4.69E-06	1.39E-03	1.33E-05	1.48E-03	2.84E-08
HHR40	1.32E-09	1.45E-03	1.41E-07	3.86E-06	1.20E-03	1.16E-05	1.25E-03	2.55E-08
HHR41	1.70E-09	1.79E-03	1.78E-07	5.00E-06	1.57E-03	1.57E-05	1.67E-03	2.40E-08
HHR42	1.23E-09	1.73E-03	2.48E-07	3.71E-06	1.22E-03	1.11E-05	1.86E-03	3.37E-08
HHR43	2.11E-09	6.94E-03	1.01E-06	1.16E-05	6.57E-03	4.02E-05	4.02E-03	1.71E-07
HHR44	1.95E-09	5.47E-03	9.44E-07	1.62E-05	5.16E-03	3.49E-05	4.72E-03	1.30E-07
HHR45	1.08E-09	6.84E-04	4.07E-07	1.78E-06	5.47E-04	3.71E-05	3.28E-04	2.33E-08
HHR46	2.38E-09	1.24E-03	9.44E-07	3.58E-06	1.05E-03	4.06E-05	6.08E-04	6.28E-08
HHR47	2.78E-09	1.50E-03	9.31E-07	3.32E-06	1.27E-03	6.54E-05	7.61E-04	4.85E-08
HHR48	1.31E-09	1.41E-03	1.40E-07	3.66E-06	1.13E-03	1.13E-05	1.17E-03	2.56E-08
HHR49	2.34E-09	1.07E-03	8.82E-07	3.25E-06	9.75E-04	3.34E-05	5.27E-04	6.45E-08
HHR50	4.29E-09	1.60E-03	9.29E-07	3.77E-06	1.36E-03	7.43E-05	8.23E-04	4.77E-08
HHR51	2.22E-09	8.91E-04	7.64E-07	4.11E-06	9.26E-04	2.78E-05	4.26E-04	6.50E-08
HHR52	3.12E-09	2.73E-03	7.48E-07	6.00E-06	1.76E-03	2.62E-04	1.99E-03	5.53E-08
HHR53	5.56E-09	1.42E-03	1.33E-06	3.89E-06	1.51E-03	5.35E-05	7.94E-04	6.85E-08
HHR54	3.69E-09	2.85E-03	8.46E-07	6.20E-06	1.83E-03	2.59E-04	1.51E-03	6.20E-08
HHR55	3.65E-09	1.74E-03	8.79E-07	3.77E-06	1.36E-03	1.10E-04	8.81E-04	5.40E-08
HHR56	3.12E-09	2.85E-03	1.48E-06	5.45E-06	2.35E-03	8.60E-05	1.49E-03	6.60E-08
HHR57	2.20E-09	3.60E-03	1.43E-06	1.00E-05	3.46E-03	1.35E-04	1.86E-03	8.43E-08
HHR58	1.82E-09	6.73E-04	6.66E-07	5.59E-06	7.04E-04	1.84E-05	3.02E-04	6.40E-08
HHR59	1.68E-09	6.34E-04	6.60E-07	5.99E-06	7.54E-04	1.70E-05	2.98E-04	6.43E-08
HHR60	1.90E-09	7.70E-04	8.16E-07	6.71E-06	9.82E-04	1.85E-05	3.54E-04	8.07E-08
HHR61	1.07E-08	5.22E-03	1.52E-06	1.66E-05	1.25E-02	1.16E-04	2.04E-03	7.07E-07
HHR62	3.79E-09	6.90E-03	2.84E-06	2.63E-05	1.90E-02	4.50E-05	1.96E-03	2.28E-06
HHR63	2.30E-09	1.21E-02	1.49E-06	1.98E-05	9.71E-03	4.52E-05	2.55E-03	4.03E-07
HHR64	1.76E-09	2.70E-03	2.29E-07	8.95E-06	1.93E-03	1.63E-05	3.25E-03	2.97E-08
HHR65	2.55E-09	1.23E-02	1.16E-06	1.23E-05	8.86E-03	4.33E-05	3.04E-03	3.37E-07
HHR66	1.82E-09	9.59E-04	3.63E-07	5.73E-06	8.19E-04	1.65E-05	5.19E-04	6.10E-08
HHR67	1.79E-09	1.34E-03	4.30E-07	8.34E-06	1.13E-03	1.54E-05	7.83E-04	7.83E-08

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	1.44E-09	2.26E-03	5.13E-07	5.57E-06	1.78E-03	1.40E-05	1.10E-03	1.00E-07
HHR69	1.31E-09	1.18E-03	1.40E-07	2.80E-06	9.32E-04	1.09E-05	9.32E-04	2.48E-08
HHR70	1.43E-09	1.50E-03	1.40E-07	3.93E-06	1.17E-03	1.24E-05	1.24E-03	2.58E-08
HHR71	2.94E-09	6.73E-03	5.13E-07	2.81E-05	4.67E-03	2.69E-05	6.30E-03	3.12E-08
HHR72	1.14E-09	4.65E-04	1.94E-07	3.12E-06	4.20E-04	9.26E-06	3.51E-04	4.08E-08
HHR73	1.64E-09	3.54E-03	7.12E-07	6.54E-06	2.53E-03	1.94E-05	1.84E-03	9.69E-08
HHR74	1.62E-09	4.34E-03	3.15E-07	1.01E-05	2.68E-03	1.47E-05	5.98E-03	3.13E-08
HHR75	3.20E-09	4.78E-03	6.37E-07	1.07E-05	3.61E-03	3.28E-05	5.70E-03	7.57E-08
HHR76	4.51E-09	4.15E-03	5.07E-07	8.60E-06	2.89E-03	3.34E-05	4.98E-03	7.96E-08
HHR77	1.16E-09	3.55E-03	4.77E-07	1.40E-05	2.55E-03	1.10E-05	4.59E-03	4.53E-08
HHR78	1.47E-09	3.06E-03	2.51E-07	9.82E-06	2.20E-03	1.35E-05	3.44E-03	3.24E-08
HHR79	1.33E-09	4.31E-03	2.95E-07	9.17E-06	2.68E-03	1.23E-05	5.43E-03	3.26E-08
HHR80	1.32E-09	3.49E-03	3.75E-07	7.39E-06	2.43E-03	1.57E-05	3.04E-03	5.04E-08
HHR81	1.23E-09	2.23E-03	2.78E-07	5.39E-06	1.53E-03	1.10E-05	2.83E-03	4.01E-08
HHR82	1.33E-09	1.97E-03	2.79E-07	4.46E-06	1.42E-03	1.14E-05	2.29E-03	3.54E-08
HHR83	1.26E-09	2.23E-03	2.72E-07	5.34E-06	1.51E-03	1.10E-05	2.84E-03	3.68E-08
MPOI	4.33E-08	2.46E-01	8.40E-06	1.19E-04	2.56E-01	1.08E-03	3.61E-02	1.20E-05

Table M2-6: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	4.54E-07	4.54E-07	4.54E-07	3.61E-06	8.76E-03	4.52E-06	1.21E-06
HHR2	2.22E-07	2.22E-07	2.22E-07	2.99E-06	1.29E-02	3.79E-06	1.10E-06
HHR3	7.12E-08	7.12E-08	7.11E-08	1.06E-06	2.77E-03	1.35E-06	1.63E-07
HHR4	1.97E-07	1.97E-07	1.97E-07	3.11E-06	1.01E-02	2.82E-06	1.39E-06
HHR5	7.97E-08	7.99E-08	7.97E-08	2.89E-06	5.61E-03	3.59E-06	7.28E-07
HHR6	5.16E-08	5.19E-08	5.16E-08	1.04E-06	1.40E-02	1.28E-06	7.53E-07
HHR7	2.73E-08	2.72E-08	2.69E-08	4.20E-07	8.17E-04	5.68E-07	8.58E-08
HHR8	1.45E-07	1.45E-07	1.44E-07	2.51E-06	8.32E-03	2.32E-06	1.78E-06
HHR9	1.73E-07	1.73E-07	1.73E-07	2.30E-06	8.47E-03	2.70E-06	1.51E-06
HHR10	4.53E-08	4.54E-08	4.53E-08	7.81E-07	2.80E-03	9.26E-07	3.48E-07
HHR11	4.18E-08	4.18E-08	4.17E-08	1.82E-06	1.43E-02	8.40E-07	9.97E-07
HHR12	8.23E-08	8.24E-08	8.22E-08	3.01E-06	9.26E-03	3.32E-06	2.02E-06
HHR13	4.14E-08	4.15E-08	4.14E-08	3.91E-06	1.65E-02	8.41E-07	1.77E-06
HHR14	3.67E-07	3.67E-07	3.67E-07	4.19E-06	7.41E-03	5.26E-06	9.35E-07
HHR15	3.42E-08	3.43E-08	3.42E-08	7.46E-07	7.81E-04	9.32E-07	9.13E-08
HHR16	2.95E-08	2.98E-08	2.95E-08	7.22E-07	9.28E-03	6.26E-07	5.15E-07
HHR17	2.31E-08	2.31E-08	2.30E-08	7.12E-07	8.10E-03	4.67E-07	3.97E-07
HHR18	3.11E-08	3.13E-08	3.10E-08	2.15E-06	3.24E-02	8.09E-07	1.83E-06
HHR19	3.13E-08	3.13E-08	3.12E-08	2.40E-06	3.30E-02	6.29E-07	1.86E-06
HHR20	3.04E-08	3.06E-08	3.03E-08	2.47E-06	3.67E-02	7.13E-07	2.10E-06
HHR21	4.16E-08	4.16E-08	4.16E-08	2.82E-06	1.48E-02	8.44E-07	1.38E-06
HHR22	8.64E-08	8.65E-08	8.64E-08	1.51E-06	1.10E-02	1.86E-06	7.26E-07
HHR23	1.17E-07	1.17E-07	1.17E-07	3.37E-06	9.72E-03	6.15E-06	1.66E-06
HHR24	1.01E-07	1.01E-07	1.01E-07	2.96E-06	9.26E-03	4.74E-06	1.75E-06
HHR25	8.53E-08	8.54E-08	8.53E-08	9.60E-07	6.05E-03	1.19E-06	4.26E-07
HHR26	7.40E-08	7.42E-08	7.41E-08	1.57E-06	5.64E-03	1.98E-06	2.98E-07
HHR27	5.83E-08	5.83E-08	5.82E-08	1.29E-06	2.75E-03	1.63E-06	1.66E-07
HHR28	2.56E-08	2.56E-08	2.53E-08	4.79E-07	1.60E-03	5.90E-07	1.20E-07
HHR29	3.89E-08	3.90E-08	3.89E-08	3.73E-06	6.18E-03	1.22E-06	2.21E-06
HHR30	7.21E-08	7.22E-08	7.21E-08	1.70E-06	4.92E-03	2.11E-06	6.17E-07
HHR31	4.65E-08	4.65E-08	4.63E-08	8.00E-06	9.62E-03	1.54E-06	7.08E-06
HHR32	4.59E-08	4.59E-08	4.57E-08	5.87E-06	1.05E-02	1.35E-06	3.21E-06
HHR33	7.04E-08	7.04E-08	7.01E-08	8.24E-06	1.39E-02	1.52E-06	6.35E-06

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	2.81E-08	2.83E-08	2.81E-08	6.67E-07	7.96E-03	5.82E-07	4.48E-07
HHR35	4.37E-08	4.37E-08	4.36E-08	5.46E-06	9.98E-03	1.08E-06	2.85E-06
HHR36	7.37E-08	7.38E-08	7.36E-08	4.02E-06	1.42E-02	2.12E-06	3.01E-06
HHR37	8.15E-08	8.17E-08	8.14E-08	4.31E-06	6.18E-03	5.41E-06	7.59E-07
HHR38	4.21E-08	4.22E-08	4.20E-08	2.26E-06	2.42E-02	8.22E-07	1.35E-06
HHR39	2.77E-08	2.78E-08	2.76E-08	8.76E-07	9.09E-03	5.57E-07	4.70E-07
HHR40	2.50E-08	2.50E-08	2.48E-08	7.27E-07	7.93E-03	4.94E-07	3.98E-07
HHR41	2.28E-08	2.30E-08	2.28E-08	9.44E-07	1.13E-02	4.49E-07	5.29E-07
HHR42	3.09E-08	3.12E-08	3.09E-08	7.98E-07	1.06E-02	6.53E-07	5.87E-07
HHR43	1.67E-07	1.67E-07	1.67E-07	2.69E-06	1.00E-02	2.72E-06	1.27E-06
HHR44	1.22E-07	1.22E-07	1.22E-07	3.70E-06	1.13E-02	2.65E-06	1.49E-06
HHR45	2.16E-08	2.14E-08	2.11E-08	4.04E-07	1.42E-03	5.44E-07	1.03E-07
HHR46	6.17E-08	6.18E-08	6.16E-08	8.51E-07	1.96E-03	1.06E-06	1.92E-07
HHR47	4.47E-08	4.48E-08	4.47E-08	7.66E-07	2.11E-03	9.72E-07	2.40E-07
HHR48	2.52E-08	2.53E-08	2.51E-08	6.91E-07	7.21E-03	4.90E-07	3.71E-07
HHR49	6.31E-08	6.32E-08	6.31E-08	7.89E-07	2.00E-03	1.04E-06	1.66E-07
HHR50	4.38E-08	4.39E-08	4.38E-08	8.31E-07	2.20E-03	1.08E-06	2.60E-07
HHR51	5.80E-08	5.82E-08	5.80E-08	1.02E-06	1.97E-03	1.28E-06	1.35E-07
HHR52	5.08E-08	5.10E-08	5.08E-08	1.27E-06	3.02E-03	1.25E-06	5.80E-07
HHR53	6.32E-08	6.34E-08	6.32E-08	9.26E-07	2.24E-03	1.19E-06	2.50E-07
HHR54	5.76E-08	5.78E-08	5.76E-08	1.48E-06	3.21E-03	1.85E-06	4.61E-07
HHR55	4.41E-08	4.42E-08	4.40E-08	7.61E-07	2.27E-03	1.01E-06	2.78E-07
HHR56	4.78E-08	4.79E-08	4.78E-08	1.32E-06	3.65E-03	1.69E-06	4.67E-07
HHR57	6.19E-08	6.20E-08	6.19E-08	2.48E-06	4.53E-03	3.13E-06	5.84E-07
HHR58	6.02E-08	6.02E-08	6.01E-08	1.39E-06	1.37E-03	1.75E-06	1.00E-07
HHR59	6.33E-08	6.34E-08	6.33E-08	1.49E-06	1.41E-03	1.89E-06	9.43E-08
HHR60	7.97E-08	7.98E-08	7.97E-08	1.67E-06	1.60E-03	2.11E-06	1.11E-07
HHR61	8.46E-08	8.47E-08	8.46E-08	4.13E-06	5.18E-03	5.26E-06	6.39E-07
HHR62	1.46E-07	1.46E-07	1.46E-07	6.57E-06	5.14E-03	8.32E-06	6.16E-07
HHR63	2.59E-07	2.59E-07	2.59E-07	4.86E-06	6.61E-03	6.20E-06	8.03E-07
HHR64	2.91E-08	2.93E-08	2.91E-08	1.53E-06	1.61E-02	6.51E-07	1.02E-06
HHR65	3.26E-07	3.26E-07	3.26E-07	3.05E-06	8.12E-03	3.78E-06	9.57E-07
HHR66	6.10E-08	6.11E-08	6.09E-08	1.43E-06	3.10E-03	1.82E-06	1.64E-07
HHR67	7.82E-08	7.83E-08	7.82E-08	2.08E-06	4.52E-03	2.62E-06	2.47E-07

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	9.97E-08	9.98E-08	9.97E-08	1.39E-06	5.62E-03	1.75E-06	3.47E-07
HHR69	2.43E-08	2.46E-08	2.43E-08	5.39E-07	5.58E-03	4.78E-07	2.95E-07
HHR70	2.54E-08	2.55E-08	2.53E-08	7.40E-07	7.41E-03	4.87E-07	3.93E-07
HHR71	2.98E-08	3.00E-08	2.98E-08	4.68E-06	3.59E-02	2.02E-06	2.00E-06
HHR72	3.98E-08	4.04E-08	3.97E-08	7.75E-07	1.12E-03	9.82E-07	1.14E-07
HHR73	9.11E-08	9.12E-08	9.11E-08	1.59E-06	8.27E-03	1.95E-06	5.81E-07
HHR74	3.02E-08	3.04E-08	3.02E-08	2.19E-06	3.36E-02	7.71E-07	1.89E-06
HHR75	7.06E-08	7.07E-08	7.05E-08	2.43E-06	8.38E-03	1.78E-06	1.80E-06
HHR76	7.74E-08	7.75E-08	7.74E-08	1.96E-06	2.48E-02	1.24E-06	1.57E-06
HHR77	4.24E-08	4.24E-08	4.24E-08	3.23E-06	1.35E-02	8.01E-07	1.45E-06
HHR78	3.17E-08	3.19E-08	3.16E-08	1.74E-06	1.93E-02	6.76E-07	1.08E-06
HHR79	3.12E-08	3.14E-08	3.11E-08	2.01E-06	3.04E-02	7.66E-07	1.71E-06
HHR80	4.70E-08	4.71E-08	4.70E-08	1.68E-06	7.31E-03	7.21E-07	9.60E-07
HHR81	3.81E-08	3.82E-08	3.81E-08	1.12E-06	1.67E-02	8.76E-07	8.95E-07
HHR82	3.31E-08	3.32E-08	3.31E-08	9.43E-07	1.34E-02	8.09E-07	7.25E-07
HHR83	3.49E-08	3.49E-08	3.49E-08	1.11E-06	1.63E-02	8.60E-07	8.96E-07
MPOI	1.47E-06	1.47E-06	1.47E-06	1.76E-05	8.45E-02	1.86E-05	1.14E-05

Table M2-6: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	3.59E-06	6.46E-06	4.54E-07	1.57E-02	2.41E-05	3.34E-09	1.08E-02	1.01E-01	1.00E-02
HHR2	2.28E-06	4.16E-06	2.22E-07	3.80E-02	2.19E-05	4.49E-09	9.95E-03	2.76E-01	2.72E-02
HHR3	2.75E-06	4.82E-06	7.12E-08	6.93E-04	3.26E-06	1.24E-08	1.47E-03	4.28E-02	8.21E-03
HHR4	2.29E-06	4.16E-06	1.98E-07	1.04E-02	2.78E-05	2.80E-09	1.25E-02	1.05E-01	6.79E-03
HHR5	1.10E-06	2.43E-06	8.01E-08	2.62E-02	1.44E-05	6.27E-09	6.60E-03	8.97E-02	9.00E-03
HHR6	1.30E-06	2.30E-06	5.29E-08	1.15E-03	1.50E-05	2.74E-09	6.74E-03	1.51E-01	1.14E-03
HHR7	2.84E-07	7.63E-07	2.70E-08	4.04E-04	1.59E-06	1.68E-09	7.88E-04	9.18E-03	3.07E-04
HHR8	1.57E-06	3.17E-06	1.45E-07	6.70E-03	3.56E-05	2.53E-09	1.60E-02	9.11E-02	4.31E-03
HHR9	1.96E-06	3.64E-06	1.73E-07	8.21E-03	3.01E-05	2.71E-09	1.35E-02	8.91E-02	5.24E-03
HHR10	1.75E-06	3.45E-06	4.56E-08	2.62E-03	6.92E-06	4.33E-09	3.15E-03	2.92E-02	1.66E-03
HHR11	4.86E-07	1.91E-06	4.20E-08	1.59E-03	1.99E-05	1.98E-09	8.92E-03	1.57E-01	1.46E-03
HHR12	1.16E-06	3.32E-06	8.26E-08	6.41E-03	4.04E-05	3.86E-09	1.82E-02	8.75E-02	3.42E-03
HHR13	5.09E-07	3.87E-06	4.16E-08	1.82E-03	3.54E-05	1.94E-09	1.58E-02	1.83E-01	1.71E-03
HHR14	3.25E-06	5.73E-06	3.67E-07	2.46E-02	1.86E-05	3.43E-09	8.39E-03	1.52E-01	1.50E-02
HHR15	5.98E-07	1.18E-06	3.43E-08	3.84E-04	1.80E-06	2.56E-09	8.38E-04	8.04E-03	3.57E-04
HHR16	5.10E-07	1.20E-06	3.04E-08	1.08E-03	1.02E-05	2.26E-09	4.61E-03	9.90E-02	8.21E-04
HHR17	7.12E-07	1.36E-06	2.34E-08	4.75E-04	7.87E-06	3.22E-09	3.55E-03	7.38E-02	8.50E-04
HHR18	8.65E-07	2.59E-06	3.18E-08	1.01E-03	3.65E-05	3.93E-09	1.64E-02	3.66E-01	9.90E-04
HHR19	7.72E-07	2.88E-06	3.16E-08	1.02E-03	3.72E-05	3.50E-09	1.67E-02	3.70E-01	1.16E-03
HHR20	8.52E-07	2.69E-06	3.10E-08	1.04E-03	4.19E-05	3.71E-09	1.87E-02	4.14E-01	1.09E-03
HHR21	4.95E-07	2.83E-06	4.18E-08	1.72E-03	2.76E-05	2.06E-09	1.24E-02	1.63E-01	1.61E-03
HHR22	1.01E-06	1.91E-06	8.67E-08	4.42E-03	1.45E-05	2.64E-09	6.51E-03	1.01E-01	2.35E-03
HHR23	1.49E-06	3.73E-06	1.17E-07	7.61E-03	3.31E-05	2.84E-09	1.49E-02	1.02E-01	4.26E-03
HHR24	1.33E-06	3.23E-06	1.01E-07	7.26E-03	3.48E-05	2.92E-09	1.57E-02	9.44E-02	4.05E-03
HHR25	8.06E-07	1.52E-06	8.55E-08	2.97E-03	8.50E-06	2.35E-09	3.81E-03	5.83E-02	1.95E-03
HHR26	9.06E-07	1.69E-06	7.43E-08	1.11E-03	5.92E-06	3.53E-09	2.67E-03	5.98E-02	1.13E-03
HHR27	7.60E-07	1.59E-06	5.84E-08	1.20E-03	3.28E-06	4.03E-09	1.52E-03	2.75E-02	7.58E-04
HHR28	4.31E-07	9.66E-07	2.60E-08	1.10E-03	2.38E-06	2.72E-09	1.09E-03	1.83E-02	6.45E-04
HHR29	8.52E-07	3.97E-06	3.93E-08	3.04E-03	4.41E-05	3.73E-09	1.98E-02	7.93E-02	1.76E-03
HHR30	1.03E-06	2.16E-06	7.24E-08	6.74E-03	1.23E-05	4.39E-09	5.59E-03	5.24E-02	3.12E-03
HHR31	1.88E-06	9.18E-06	4.65E-08	9.01E-03	1.41E-04	8.75E-09	6.34E-02	2.52E-01	7.07E-03
HHR32	1.22E-06	6.02E-06	4.60E-08	3.89E-03	6.40E-05	5.50E-09	2.87E-02	1.31E-01	2.51E-03
HHR33	9.83E-07	8.31E-06	7.03E-08	4.64E-03	1.27E-04	3.11E-09	5.69E-02	1.37E-01	3.14E-03

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	4.70E-07	1.11E-06	2.88E-08	1.07E-03	8.91E-06	2.20E-09	4.01E-03	8.46E-02	7.98E-04
HHR35	8.99E-07	5.50E-06	4.38E-08	3.04E-03	5.70E-05	3.93E-09	2.55E-02	1.17E-01	1.80E-03
HHR36	1.08E-06	4.36E-06	7.39E-08	5.53E-03	6.01E-05	3.80E-09	2.69E-02	1.04E-01	3.37E-03
HHR37	8.65E-07	3.46E-06	8.21E-08	1.78E-02	1.51E-05	5.09E-09	6.88E-03	7.43E-02	6.58E-03
HHR38	9.52E-07	2.73E-06	4.63E-08	2.61E-03	2.69E-05	4.22E-09	1.21E-02	8.51E-02	5.76E-03
HHR39	7.70E-07	1.44E-06	2.81E-08	5.37E-04	9.32E-06	3.45E-09	4.21E-03	8.59E-02	9.90E-04
HHR40	6.68E-07	1.29E-06	2.52E-08	4.95E-04	7.88E-06	2.99E-09	3.56E-03	7.33E-02	8.50E-04
HHR41	8.44E-07	1.60E-06	2.37E-08	5.23E-04	1.05E-05	3.97E-09	4.74E-03	1.01E-01	1.17E-03
HHR42	5.90E-07	1.30E-06	3.20E-08	1.15E-03	1.17E-05	2.60E-09	5.25E-03	1.15E-01	8.69E-04
HHR43	2.40E-06	4.37E-06	1.67E-07	1.07E-02	2.53E-05	2.72E-09	1.13E-02	1.04E-01	6.95E-03
HHR44	1.85E-06	3.88E-06	1.23E-07	8.63E-03	2.97E-05	2.43E-09	1.33E-02	1.20E-01	5.41E-03
HHR45	3.90E-07	9.19E-07	2.10E-08	8.48E-04	2.02E-06	2.16E-09	9.33E-04	1.60E-02	4.81E-04
HHR46	8.60E-07	1.76E-06	6.19E-08	2.55E-03	3.82E-06	5.56E-09	1.73E-03	2.32E-02	1.05E-03
HHR47	6.25E-07	1.28E-06	4.52E-08	2.96E-03	4.78E-06	6.83E-09	2.16E-03	2.32E-02	1.13E-03
HHR48	6.46E-07	1.20E-06	2.57E-08	5.00E-04	7.36E-06	2.87E-09	3.32E-03	6.78E-02	8.02E-04
HHR49	6.83E-07	1.50E-06	6.36E-08	2.23E-03	3.31E-06	5.40E-09	1.50E-03	2.29E-02	1.02E-03
HHR50	9.91E-07	1.95E-06	4.45E-08	3.12E-03	5.17E-06	1.05E-08	2.34E-03	2.46E-02	1.20E-03
HHR51	7.09E-07	1.41E-06	5.89E-08	1.92E-03	2.68E-06	5.47E-09	1.21E-03	2.18E-02	8.93E-04
HHR52	6.78E-07	1.81E-06	5.12E-08	3.11E-03	1.14E-05	7.53E-09	5.22E-03	3.23E-02	1.80E-03
HHR53	1.24E-06	2.45E-06	6.38E-08	3.97E-03	4.98E-06	1.38E-08	2.25E-03	2.59E-02	1.73E-03
HHR54	7.79E-07	1.78E-06	5.80E-08	3.43E-03	9.14E-06	9.19E-09	4.16E-03	3.53E-02	1.84E-03
HHR55	8.47E-07	1.69E-06	4.43E-08	2.70E-03	5.53E-06	8.89E-09	2.50E-03	2.51E-02	1.31E-03
HHR56	6.89E-07	1.61E-06	4.81E-08	5.62E-03	9.30E-06	7.93E-09	4.25E-03	3.99E-02	2.24E-03
HHR57	9.32E-07	2.37E-06	6.20E-08	1.02E-02	1.16E-05	5.46E-09	5.29E-03	5.12E-02	4.06E-03
HHR58	8.94E-07	1.68E-06	6.04E-08	1.73E-03	1.90E-06	4.54E-09	8.61E-04	1.45E-02	7.70E-04
HHR59	8.67E-07	1.60E-06	6.36E-08	1.87E-03	1.87E-06	4.19E-09	8.69E-04	1.48E-02	8.30E-04
HHR60	1.08E-06	1.98E-06	8.01E-08	2.61E-03	2.22E-06	4.72E-09	1.00E-03	1.67E-02	1.07E-03
HHR61	1.28E-06	3.63E-06	8.50E-08	4.60E-02	1.27E-05	2.74E-08	5.77E-03	1.49E-01	1.51E-02
HHR62	1.54E-06	5.48E-06	1.46E-07	8.77E-02	1.23E-05	9.54E-09	5.57E-03	2.24E-01	2.36E-02
HHR63	2.91E-06	5.24E-06	2.60E-07	2.74E-02	1.60E-05	3.44E-09	7.21E-03	1.05E-01	1.04E-02
HHR64	9.72E-07	2.75E-06	3.00E-08	7.98E-04	2.04E-05	4.46E-09	9.16E-03	1.84E-01	1.18E-03
HHR65	3.23E-06	5.82E-06	3.26E-07	1.74E-02	1.91E-05	2.90E-09	8.59E-03	9.90E-02	9.95E-03
HHR66	7.91E-07	1.61E-06	6.11E-08	1.18E-03	3.24E-06	4.29E-09	1.52E-03	3.15E-02	7.90E-04
HHR67	1.02E-06	1.89E-06	7.84E-08	1.45E-03	4.92E-06	4.10E-09	2.22E-03	4.82E-02	1.05E-03

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	8.31E-07	1.58E-06	1.00E-07	2.21E-03	6.92E-06	2.66E-09	3.10E-03	5.07E-02	1.71E-03
HHR69	5.93E-07	1.09E-06	2.55E-08	4.91E-04	5.86E-06	2.69E-09	2.64E-03	5.31E-02	6.69E-04
HHR70	7.11E-07	1.32E-06	2.58E-08	5.22E-04	7.79E-06	3.17E-09	3.52E-03	7.11E-02	8.33E-04
HHR71	1.62E-06	8.82E-06	3.07E-08	9.76E-04	3.96E-05	7.41E-09	1.79E-02	3.88E-01	2.42E-03
HHR72	5.40E-07	9.86E-07	4.23E-08	8.00E-04	2.20E-06	2.21E-09	1.03E-03	1.28E-02	6.20E-04
HHR73	1.05E-06	1.97E-06	9.15E-08	4.67E-03	1.16E-05	2.49E-09	5.20E-03	7.68E-02	2.47E-03
HHR74	8.74E-07	2.59E-06	3.09E-08	9.77E-04	3.77E-05	3.97E-09	1.69E-02	3.79E-01	9.86E-04
HHR75	1.31E-06	2.93E-06	7.09E-08	4.96E-03	3.60E-05	6.78E-09	1.61E-02	8.66E-02	2.75E-03
HHR76	1.57E-06	3.34E-06	7.77E-08	3.15E-03	3.12E-05	5.38E-09	1.40E-02	2.28E-01	2.85E-02
HHR77	4.86E-07	3.18E-06	4.25E-08	1.78E-03	2.89E-05	1.93E-09	1.30E-02	1.49E-01	1.72E-03
HHR78	8.07E-07	2.87E-06	3.27E-08	8.68E-04	2.16E-05	3.70E-09	9.69E-03	2.11E-01	1.14E-03
HHR79	7.23E-07	2.30E-06	3.20E-08	1.11E-03	3.41E-05	3.17E-09	1.53E-02	3.41E-01	1.06E-03
HHR80	5.46E-07	1.71E-06	4.72E-08	1.80E-03	1.92E-05	2.24E-09	8.59E-03	5.80E-02	1.55E-03
HHR81	5.96E-07	1.48E-06	3.85E-08	1.37E-03	1.78E-05	2.34E-09	8.00E-03	1.81E-01	1.08E-03
HHR82	6.60E-07	1.48E-06	3.33E-08	1.40E-03	1.44E-05	2.22E-09	6.48E-03	1.45E-01	1.09E-03
HHR83	6.24E-07	1.54E-06	3.52E-08	1.32E-03	1.79E-05	2.29E-09	8.02E-03	1.79E-01	1.01E-03
MPOI	1.75E-05	3.94E-05	1.47E-06	5.12E-01	2.28E-04	1.10E-07	1.02E-01	2.89E+00	3.06E-01

Table M2-6: *(cont'd)*

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	4.54E-07	7.39E-06	9.25E-06	3.54E-06	3.90E-04	6.85E-06	4.47E-05	1.71E-04	3.50E-05
HHR2	2.22E-07	7.11E-06	1.61E-05	2.97E-06	7.18E-04	5.77E-06	4.06E-05	2.30E-04	3.18E-05
HHR3	7.12E-08	1.40E-06	7.29E-06	1.06E-06	6.95E-05	4.79E-06	6.03E-06	6.36E-04	4.73E-06
HHR4	1.98E-07	1.20E-05	7.21E-06	2.18E-06	4.29E-04	4.42E-06	5.15E-05	1.43E-04	4.04E-05
HHR5	8.02E-08	6.08E-06	4.18E-05	2.79E-06	3.03E-04	5.46E-06	2.66E-05	3.21E-04	2.08E-05
HHR6	5.30E-08	4.20E-06	6.74E-06	1.00E-06	2.58E-04	2.33E-06	2.78E-05	1.40E-04	2.18E-05
HHR7	2.73E-08	6.02E-07	6.69E-06	3.89E-07	3.54E-05	1.09E-06	2.98E-06	8.60E-05	2.30E-06
HHR8	1.45E-07	1.00E-05	6.66E-06	1.81E-06	5.23E-04	3.59E-06	6.59E-05	1.30E-04	5.16E-05
HHR9	1.73E-07	8.58E-06	1.00E-05	2.11E-06	4.48E-04	4.16E-06	5.57E-05	1.39E-04	4.36E-05
HHR10	4.56E-08	2.79E-06	2.15E-05	7.01E-07	1.27E-04	3.17E-06	1.28E-05	2.22E-04	1.00E-05
HHR11	4.20E-08	7.11E-06	4.97E-06	6.36E-07	3.26E-04	1.42E-06	3.69E-05	1.02E-04	2.89E-05
HHR12	8.27E-08	1.19E-05	5.94E-06	1.29E-06	5.65E-04	5.82E-06	7.47E-05	1.97E-04	5.85E-05
HHR13	4.16E-08	1.52E-05	5.06E-06	6.28E-07	5.39E-04	1.39E-06	6.54E-05	9.93E-05	5.13E-05
HHR14	3.67E-07	5.58E-06	8.49E-06	4.12E-06	3.82E-04	7.94E-06	3.45E-05	1.76E-04	2.70E-05
HHR15	3.44E-08	5.38E-07	1.38E-05	7.28E-07	3.09E-05	1.63E-06	3.35E-06	1.31E-04	2.62E-06
HHR16	3.05E-08	2.89E-06	3.19E-06	3.64E-07	1.78E-04	1.51E-06	1.89E-05	1.15E-04	1.49E-05
HHR17	2.35E-08	3.23E-06	3.46E-06	3.40E-07	1.42E-04	1.27E-06	1.45E-05	1.65E-04	1.14E-05
HHR18	3.19E-08	8.78E-06	3.32E-06	5.80E-07	6.29E-04	1.71E-06	6.76E-05	2.01E-04	5.31E-05
HHR19	3.17E-08	1.00E-05	3.65E-06	4.64E-07	6.49E-04	1.41E-06	6.88E-05	1.79E-04	5.40E-05
HHR20	3.12E-08	9.88E-06	3.69E-06	5.34E-07	7.28E-04	1.71E-06	7.75E-05	1.90E-04	6.08E-05
HHR21	4.18E-08	1.10E-05	5.02E-06	6.33E-07	4.36E-04	1.41E-06	5.10E-05	1.06E-04	4.01E-05
HHR22	8.68E-08	4.24E-06	8.10E-06	1.42E-06	2.40E-04	2.97E-06	2.68E-05	1.35E-04	2.10E-05
HHR23	1.17E-07	1.33E-05	6.29E-06	1.66E-06	4.91E-04	1.05E-05	6.12E-05	1.45E-04	4.80E-05
HHR24	1.01E-07	1.17E-05	6.15E-06	1.53E-06	5.04E-04	8.24E-06	6.44E-05	1.50E-04	5.05E-05
HHR25	8.55E-08	2.79E-06	9.38E-06	9.34E-07	1.52E-04	1.82E-06	1.57E-05	1.20E-04	1.23E-05
HHR26	7.43E-08	1.73E-06	1.22E-05	1.55E-06	1.02E-04	3.03E-06	1.10E-05	1.81E-04	8.60E-06
HHR27	5.85E-08	1.19E-06	9.89E-06	1.28E-06	5.58E-05	2.71E-06	6.08E-06	2.06E-04	4.76E-06
HHR28	2.61E-08	1.62E-06	5.46E-06	4.29E-07	5.20E-05	1.25E-06	4.41E-06	1.39E-04	3.46E-06
HHR29	3.93E-08	1.47E-05	3.90E-06	6.47E-07	6.47E-04	2.03E-06	8.17E-05	1.91E-04	6.40E-05
HHR30	7.24E-08	4.44E-06	2.07E-05	1.62E-06	2.37E-04	3.24E-06	2.27E-05	2.25E-04	1.78E-05
HHR31	4.67E-08	3.25E-05	6.89E-06	8.23E-07	1.90E-03	3.34E-06	2.62E-04	4.48E-04	2.05E-04
HHR32	4.62E-08	2.27E-05	5.44E-06	7.52E-07	9.36E-04	2.37E-06	1.19E-04	2.82E-04	9.30E-05
HHR33	7.07E-08	3.22E-05	5.91E-06	8.98E-07	1.67E-03	2.47E-06	2.35E-04	1.59E-04	1.84E-04

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	2.88E-08	2.66E-06	2.79E-06	3.50E-07	1.55E-04	1.41E-06	1.65E-05	1.13E-04	1.29E-05
HHR35	4.39E-08	2.13E-05	4.70E-06	6.24E-07	8.35E-04	1.92E-06	1.06E-04	2.01E-04	8.27E-05
HHR36	7.40E-08	1.58E-05	6.39E-06	1.08E-06	8.13E-04	3.73E-06	1.11E-04	1.94E-04	8.71E-05
HHR37	8.22E-08	5.70E-06	3.29E-05	4.23E-06	3.14E-04	8.20E-06	2.79E-05	2.61E-04	2.19E-05
HHR38	4.65E-08	9.05E-06	4.78E-06	5.21E-07	4.42E-04	2.07E-06	4.99E-05	2.16E-04	3.91E-05
HHR39	2.82E-08	4.03E-06	3.65E-06	4.27E-07	1.69E-04	1.39E-06	1.72E-05	1.77E-04	1.35E-05
HHR40	2.54E-08	3.32E-06	3.46E-06	3.65E-07	1.43E-04	1.20E-06	1.46E-05	1.53E-04	1.14E-05
HHR41	2.38E-08	4.31E-06	3.46E-06	3.24E-07	1.88E-04	1.54E-06	1.94E-05	2.03E-04	1.52E-05
HHR42	3.21E-08	3.17E-06	3.44E-06	3.97E-07	2.04E-04	1.61E-06	2.16E-05	1.33E-04	1.69E-05
HHR43	1.68E-07	1.03E-05	7.97E-06	2.10E-06	3.96E-04	4.26E-06	4.68E-05	1.39E-04	3.67E-05
HHR44	1.23E-07	1.45E-05	7.34E-06	1.99E-06	4.50E-04	4.18E-06	5.50E-05	1.24E-04	4.31E-05
HHR45	2.15E-08	1.36E-06	5.89E-06	3.78E-07	4.40E-05	1.19E-06	3.75E-06	1.11E-04	2.94E-06
HHR46	6.20E-08	2.56E-06	3.04E-05	7.74E-07	1.12E-04	2.33E-06	7.07E-06	2.84E-04	5.54E-06
HHR47	4.53E-08	2.54E-06	2.43E-05	7.09E-07	1.41E-04	1.80E-06	8.85E-06	3.50E-04	6.94E-06
HHR48	2.58E-08	3.15E-06	3.44E-06	3.66E-07	1.35E-04	1.16E-06	1.36E-05	1.47E-04	1.07E-05
HHR49	6.37E-08	2.46E-06	2.70E-05	7.47E-07	8.98E-05	2.24E-06	6.13E-06	2.77E-04	4.81E-06
HHR50	4.45E-08	2.57E-06	2.72E-05	7.61E-07	1.50E-04	2.00E-06	9.57E-06	5.39E-04	7.50E-06
HHR51	5.89E-08	1.93E-06	2.43E-05	9.95E-07	6.97E-05	2.21E-06	4.96E-06	2.81E-04	3.89E-06
HHR52	5.13E-08	5.17E-06	2.07E-05	9.18E-07	1.85E-04	1.99E-06	2.11E-05	3.86E-04	1.65E-05
HHR53	6.38E-08	3.27E-06	3.56E-05	8.97E-07	1.74E-04	2.48E-06	9.23E-06	7.06E-04	7.23E-06
HHR54	5.81E-08	4.42E-06	2.51E-05	1.40E-06	1.68E-04	2.89E-06	1.69E-05	4.70E-04	1.32E-05
HHR55	4.45E-08	2.63E-06	2.20E-05	6.81E-07	1.39E-04	1.85E-06	1.02E-05	4.55E-04	8.02E-06
HHR56	4.81E-08	4.27E-06	4.79E-05	1.30E-06	2.09E-04	2.69E-06	1.72E-05	4.06E-04	1.35E-05
HHR57	6.21E-08	4.64E-06	4.71E-05	2.42E-06	2.33E-04	4.84E-06	2.15E-05	2.80E-04	1.69E-05
HHR58	6.05E-08	1.75E-06	2.09E-05	1.36E-06	4.91E-05	2.79E-06	3.51E-06	2.32E-04	2.75E-06
HHR59	6.37E-08	1.74E-06	1.85E-05	1.47E-06	4.58E-05	2.92E-06	3.46E-06	2.14E-04	2.71E-06
HHR60	8.02E-08	2.11E-06	2.24E-05	1.65E-06	5.69E-05	3.28E-06	4.11E-06	2.42E-04	3.22E-06
HHR61	8.50E-08	4.66E-06	1.85E-05	4.10E-06	2.70E-04	8.25E-06	2.36E-05	1.40E-03	1.85E-05
HHR62	1.46E-07	6.75E-06	1.59E-05	6.49E-06	4.88E-04	1.28E-05	2.27E-05	4.88E-04	1.78E-05
HHR63	2.60E-07	4.81E-06	9.12E-06	4.83E-06	3.16E-04	9.37E-06	2.96E-05	1.76E-04	2.32E-05
HHR64	3.01E-08	7.52E-06	3.81E-06	4.61E-07	3.51E-04	1.72E-06	3.78E-05	2.28E-04	2.97E-05
HHR65	3.27E-07	5.68E-06	8.68E-06	2.95E-06	3.99E-04	5.94E-06	3.53E-05	1.48E-04	2.77E-05
HHR66	6.12E-08	1.26E-06	1.01E-05	1.42E-06	5.63E-05	2.84E-06	6.01E-06	2.20E-04	4.71E-06
HHR67	7.85E-08	1.50E-06	1.34E-05	2.06E-06	8.49E-05	4.02E-06	9.11E-06	2.10E-04	7.15E-06

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	1.00E-07	2.31E-06	9.79E-06	1.38E-06	1.45E-04	2.65E-06	1.28E-05	1.36E-04	1.00E-05
HHR69	2.55E-08	2.42E-06	3.62E-06	3.59E-07	1.09E-04	1.09E-06	1.08E-05	1.38E-04	8.49E-06
HHR70	2.60E-08	3.38E-06	3.55E-06	3.77E-07	1.43E-04	1.26E-06	1.44E-05	1.62E-04	1.13E-05
HHR71	3.08E-08	2.37E-05	3.81E-06	4.97E-07	6.90E-04	3.71E-06	7.32E-05	3.79E-04	5.74E-05
HHR72	4.24E-08	6.56E-07	7.93E-06	7.67E-07	3.89E-05	1.57E-06	4.07E-06	1.14E-04	3.19E-06
HHR73	9.15E-08	3.72E-06	9.10E-06	1.51E-06	1.98E-04	3.00E-06	2.15E-05	1.27E-04	1.68E-05
HHR74	3.10E-08	8.91E-06	3.49E-06	5.62E-07	6.48E-04	1.61E-06	6.97E-05	2.03E-04	5.47E-05
HHR75	7.10E-08	9.57E-06	4.88E-06	9.99E-07	5.02E-04	3.25E-06	6.65E-05	3.47E-04	5.21E-05
HHR76	7.77E-08	7.67E-06	5.84E-06	8.41E-07	5.21E-04	3.26E-06	5.80E-05	2.75E-04	4.55E-05
HHR77	4.25E-08	1.25E-05	5.19E-06	5.86E-07	4.43E-04	1.33E-06	5.35E-05	9.91E-05	4.20E-05
HHR78	3.27E-08	8.36E-06	3.86E-06	4.97E-07	3.73E-04	1.43E-06	4.00E-05	1.90E-04	3.14E-05
HHR79	3.21E-08	8.12E-06	4.01E-06	5.77E-07	5.91E-04	1.56E-06	6.32E-05	1.62E-04	4.96E-05
HHR80	4.72E-08	6.60E-06	4.32E-06	5.21E-07	2.92E-04	1.69E-06	3.54E-05	1.15E-04	2.78E-05
HHR81	3.85E-08	4.72E-06	3.75E-06	5.92E-07	3.09E-04	1.78E-06	3.29E-05	1.20E-04	2.59E-05
HHR82	3.33E-08	3.91E-06	4.06E-06	5.14E-07	2.51E-04	1.81E-06	2.67E-05	1.14E-04	2.09E-05
HHR83	3.52E-08	4.67E-06	3.83E-06	5.60E-07	3.10E-04	1.85E-06	3.30E-05	1.17E-04	2.59E-05
MPOI	1.47E-06	9.91E-05	1.22E-04	1.46E-05	7.31E-03	3.04E-05	4.21E-04	5.64E-03	3.30E-04

Table M2-6: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	9.63E-06	1.01E-05	1.50E-07	5.76E-03	5.04E-02	7.43E-06	7.75E-02	9.44E-05
HHR2	8.70E-06	1.71E-05	1.12E-07	1.62E-02	1.09E-01	6.25E-06	1.89E-01	7.87E-05
HHR3	1.74E-06	7.69E-06	1.02E-07	5.94E-04	2.11E-03	2.23E-06	3.43E-03	2.80E-05
HHR4	4.88E-06	7.77E-06	1.01E-07	2.78E-03	3.41E-02	4.62E-06	5.20E-02	6.01E-05
HHR5	2.75E-06	4.45E-05	2.64E-07	2.94E-03	7.77E-02	5.89E-06	1.29E-01	7.53E-05
HHR6	1.46E-06	7.14E-06	5.10E-08	1.09E-03	3.73E-03	2.12E-06	5.80E-03	2.66E-05
HHR7	6.60E-07	7.10E-06	5.05E-08	1.82E-04	1.42E-03	9.39E-07	2.02E-03	1.13E-05
HHR8	3.60E-06	7.24E-06	8.49E-08	2.53E-03	2.15E-02	3.83E-06	3.37E-02	4.88E-05
HHR9	4.58E-06	1.09E-05	9.05E-08	2.95E-03	2.72E-02	4.44E-06	4.17E-02	5.67E-05
HHR10	1.21E-06	2.29E-05	1.40E-07	8.91E-04	8.48E-03	1.59E-06	1.31E-02	1.97E-05
HHR11	1.01E-06	5.33E-06	3.64E-08	1.41E-03	5.70E-03	1.41E-06	8.20E-03	2.61E-05
HHR12	2.75E-06	6.64E-06	6.88E-08	2.63E-03	2.07E-02	3.29E-06	3.21E-02	4.57E-05
HHR13	1.10E-06	6.29E-06	3.66E-08	1.65E-03	6.79E-03	1.38E-06	9.37E-03	5.50E-05
HHR14	9.10E-06	9.06E-06	1.29E-07	8.80E-03	7.29E-02	8.65E-06	1.22E-01	1.10E-04
HHR15	1.35E-06	1.46E-05	9.61E-08	1.56E-04	1.24E-03	1.59E-06	1.92E-03	1.97E-05
HHR16	9.60E-07	3.30E-06	3.73E-08	1.02E-03	3.81E-03	1.06E-06	5.52E-03	1.22E-05
HHR17	7.20E-07	3.64E-06	3.13E-08	1.63E-03	2.28E-03	8.29E-07	2.41E-03	1.40E-05
HHR18	9.84E-07	3.61E-06	5.07E-08	2.32E-03	5.77E-03	1.39E-06	5.33E-03	3.50E-05
HHR19	9.30E-07	3.86E-06	7.19E-08	2.31E-03	6.90E-03	1.05E-06	5.82E-03	3.98E-05
HHR20	9.01E-07	3.91E-06	5.91E-08	2.32E-03	7.24E-03	1.21E-06	6.13E-03	3.75E-05
HHR21	1.10E-06	5.71E-06	3.60E-08	1.53E-03	6.30E-03	1.40E-06	8.89E-03	3.99E-05
HHR22	2.43E-06	8.62E-06	5.18E-08	2.36E-03	1.44E-02	3.04E-06	2.19E-02	3.96E-05
HHR23	3.47E-06	6.89E-06	7.83E-08	2.06E-03	2.46E-02	5.17E-06	3.82E-02	5.29E-05
HHR24	3.20E-06	6.82E-06	7.52E-08	2.17E-03	2.35E-02	4.31E-06	3.65E-02	4.85E-05
HHR25	2.22E-06	9.97E-06	6.10E-08	1.56E-03	9.15E-03	1.96E-06	1.47E-02	2.50E-05
HHR26	2.36E-06	1.29E-05	8.59E-08	6.50E-04	3.26E-03	3.27E-06	5.46E-03	4.12E-05
HHR27	1.90E-06	1.05E-05	7.38E-08	4.46E-04	3.64E-03	2.76E-06	5.94E-03	3.39E-05
HHR28	7.22E-07	5.80E-06	4.22E-08	4.21E-04	3.49E-03	1.05E-06	5.46E-03	1.25E-05
HHR29	1.31E-06	6.08E-06	5.55E-08	1.81E-03	1.20E-02	1.65E-06	1.59E-02	5.47E-05
HHR30	2.58E-06	2.21E-05	1.33E-07	1.75E-03	2.09E-02	3.45E-06	3.32E-02	4.42E-05
HHR31	1.59E-06	1.19E-05	2.00E-07	4.68E-03	4.81E-02	1.98E-06	4.03E-02	1.26E-04
HHR32	1.56E-06	8.43E-06	6.63E-08	2.18E-03	1.82E-02	1.86E-06	1.98E-02	8.44E-05
HHR33	2.39E-06	1.13E-05	7.25E-08	4.82E-03	1.73E-02	2.01E-06	2.36E-02	1.17E-04

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	9.40E-07	2.94E-06	3.58E-08	9.65E-04	3.75E-03	9.67E-07	5.43E-03	1.11E-05
HHR35	1.43E-06	8.09E-06	5.51E-08	2.49E-03	1.29E-02	1.45E-06	1.56E-02	7.80E-05
HHR36	2.62E-06	7.11E-06	6.61E-08	5.38E-03	1.81E-02	2.49E-06	2.78E-02	5.91E-05
HHR37	2.28E-06	3.50E-05	2.10E-07	2.51E-03	5.33E-02	8.89E-06	8.77E-02	1.13E-04
HHR38	1.28E-06	5.71E-06	6.38E-08	1.31E-02	1.04E-02	1.32E-06	1.41E-02	3.40E-05
HHR39	8.14E-07	3.84E-06	3.87E-08	2.00E-03	2.73E-03	9.38E-07	2.74E-03	1.77E-05
HHR40	7.46E-07	3.64E-06	3.06E-08	1.63E-03	2.34E-03	8.55E-07	2.51E-03	1.45E-05
HHR41	6.76E-07	3.65E-06	3.82E-08	2.39E-03	2.98E-03	7.94E-07	2.80E-03	1.88E-05
HHR42	1.02E-06	3.58E-06	3.93E-08	1.13E-03	4.02E-03	1.14E-06	5.84E-03	1.34E-05
HHR43	5.17E-06	8.58E-06	1.06E-07	2.80E-03	3.51E-02	4.45E-06	5.34E-02	5.83E-05
HHR44	4.18E-06	7.88E-06	8.63E-08	2.19E-03	2.83E-02	4.21E-06	4.32E-02	5.95E-05
HHR45	7.81E-07	6.26E-06	4.26E-08	3.40E-04	2.76E-03	9.53E-07	4.22E-03	1.10E-05
HHR46	1.64E-06	3.23E-05	1.90E-07	5.92E-04	7.72E-03	1.93E-06	1.26E-02	2.25E-05
HHR47	1.32E-06	2.59E-05	1.55E-07	6.78E-04	9.06E-03	1.64E-06	1.46E-02	2.03E-05
HHR48	7.59E-07	3.61E-06	2.98E-08	1.47E-03	2.25E-03	8.50E-07	2.53E-03	1.37E-05
HHR49	2.11E-06	2.87E-05	1.69E-07	5.27E-04	7.34E-03	1.89E-06	1.11E-02	2.13E-05
HHR50	1.23E-06	2.89E-05	1.75E-07	7.12E-04	9.79E-03	1.73E-06	1.55E-02	2.23E-05
HHR51	1.92E-06	2.58E-05	1.56E-07	4.42E-04	6.40E-03	2.16E-06	9.63E-03	2.68E-05
HHR52	9.01E-07	2.20E-05	1.33E-07	8.63E-04	1.00E-02	1.99E-06	1.56E-02	2.62E-05
HHR53	1.72E-06	3.78E-05	2.22E-07	7.08E-04	1.22E-02	2.07E-06	1.96E-02	2.47E-05
HHR54	1.03E-06	2.67E-05	1.60E-07	9.56E-04	1.15E-02	3.00E-06	1.72E-02	3.89E-05
HHR55	1.25E-06	2.34E-05	1.46E-07	7.31E-04	9.55E-03	1.57E-06	1.36E-02	2.09E-05
HHR56	1.88E-06	5.10E-05	3.01E-07	1.32E-03	1.67E-02	2.79E-06	2.78E-02	3.48E-05
HHR57	2.00E-06	5.01E-05	2.95E-07	1.56E-03	3.00E-02	5.15E-06	5.05E-02	6.51E-05
HHR58	2.33E-06	2.22E-05	1.35E-07	3.31E-04	5.43E-03	2.91E-06	8.54E-03	3.64E-05
HHR59	1.96E-06	1.96E-05	1.19E-07	3.31E-04	5.84E-03	3.12E-06	9.23E-03	3.92E-05
HHR60	2.96E-06	2.39E-05	1.43E-07	3.75E-04	8.09E-03	3.50E-06	1.29E-02	4.40E-05
HHR61	2.83E-06	1.97E-05	1.21E-07	2.74E-03	1.34E-01	8.73E-06	2.28E-01	1.09E-04
HHR62	4.65E-06	1.72E-05	1.02E-07	3.49E-03	2.50E-01	1.37E-05	4.34E-01	1.73E-04
HHR63	7.95E-06	9.80E-06	1.25E-07	6.06E-03	8.06E-02	1.01E-05	1.36E-01	1.29E-04
HHR64	8.36E-07	4.03E-06	1.05E-07	2.67E-03	3.91E-03	9.84E-07	3.98E-03	3.56E-05
HHR65	7.34E-06	9.32E-06	1.39E-07	5.06E-03	5.52E-02	6.21E-06	8.53E-02	7.96E-05
HHR66	2.03E-06	1.08E-05	7.79E-08	4.67E-04	3.56E-03	3.01E-06	5.81E-03	3.77E-05
HHR67	2.84E-06	1.41E-05	9.28E-08	6.28E-04	4.44E-03	4.34E-06	7.18E-03	5.47E-05

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	2.67E-06	1.04E-05	6.42E-08	1.24E-03	6.83E-03	2.88E-06	1.09E-02	3.65E-05
HHR69	6.77E-07	3.79E-06	3.02E-08	1.06E-03	1.89E-03	8.45E-07	2.45E-03	1.09E-05
HHR70	7.86E-07	3.73E-06	3.29E-08	1.54E-03	2.36E-03	8.37E-07	2.64E-03	1.48E-05
HHR71	9.44E-07	5.69E-06	3.49E-07	5.83E-03	9.28E-03	1.62E-06	6.96E-03	1.14E-04
HHR72	1.34E-06	8.37E-06	5.90E-08	2.40E-04	2.45E-03	1.64E-06	3.96E-03	2.05E-05
HHR73	2.34E-06	9.67E-06	5.79E-08	1.61E-03	1.50E-02	3.19E-06	2.32E-02	4.13E-05
HHR74	9.41E-07	3.76E-06	5.31E-08	2.29E-03	5.88E-03	1.32E-06	5.23E-03	3.53E-05
HHR75	2.73E-06	5.23E-06	5.94E-08	2.33E-03	1.60E-02	2.14E-06	2.48E-02	3.55E-05
HHR76	1.98E-06	6.23E-06	1.19E-07	1.05E-02	1.06E-02	1.97E-06	1.58E-02	2.83E-05
HHR77	1.22E-06	5.76E-06	3.67E-08	1.55E-03	6.26E-03	1.29E-06	9.08E-03	4.55E-05
HHR78	8.49E-07	4.09E-06	1.08E-07	2.50E-03	4.52E-03	1.06E-06	4.42E-03	3.80E-05
HHR79	9.23E-07	4.26E-06	4.49E-08	2.16E-03	5.94E-03	1.31E-06	6.00E-03	3.12E-05
HHR80	1.13E-06	4.60E-06	3.90E-08	3.46E-03	6.00E-03	1.16E-06	9.12E-03	2.43E-05
HHR81	1.30E-06	3.96E-06	4.02E-08	1.35E-03	4.80E-03	1.50E-06	6.97E-03	1.91E-05
HHR82	1.32E-06	4.31E-06	4.26E-08	1.29E-03	4.93E-03	1.40E-06	7.17E-03	1.64E-05
HHR83	1.26E-06	4.05E-06	4.12E-08	1.46E-03	4.61E-03	1.49E-06	6.70E-03	1.90E-05
MPOI	3.05E-05	1.29E-04	1.76E-06	1.80E-01	1.45E+00	3.07E-05	2.53E+00	5.07E-04

Table M2-7: Planned Development Case Acute 1-hour Air Concentrations for Lewis Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	2.11E-03	1.01E-05	9.03E-09	2.11E-02	1.73E-03	1.27E+00	6.48E-01	4.33E-05	6.28E-06
HHR2	5.74E-03	9.55E-06	1.18E-08	2.01E-02	1.65E-03	1.19E+00	8.34E-01	2.99E-05	5.97E-06
HHR3	5.68E-04	1.49E-06	3.27E-08	3.15E-03	2.57E-04	4.97E-01	5.80E-02	1.40E-05	9.32E-07
HHR4	1.54E-03	1.14E-05	8.26E-09	2.40E-02	1.96E-03	1.36E+00	3.67E-01	5.51E-05	7.15E-06
HHR5	1.39E-03	6.36E-06	1.66E-08	1.35E-02	1.10E-03	7.60E-01	2.34E-01	2.07E-05	3.98E-06
HHR6	1.37E-03	6.31E-06	1.25E-08	1.33E-02	1.08E-03	1.57E+00	1.20E-01	1.89E-05	3.94E-06
HHR7	1.47E-04	7.09E-07	5.35E-09	1.51E-03	1.30E-04	1.06E-01	2.53E-02	6.23E-06	4.43E-07
HHR8	1.85E-03	1.47E-05	7.36E-09	3.10E-02	2.53E-03	1.30E+00	3.14E-01	6.55E-05	9.22E-06
HHR9	1.65E-03	1.24E-05	7.88E-09	2.61E-02	2.13E-03	1.30E+00	3.82E-01	5.35E-05	7.76E-06
HHR10	6.09E-04	3.44E-06	1.21E-08	7.28E-03	5.95E-04	4.25E-01	1.04E-01	1.71E-05	2.15E-06
HHR11	1.58E-03	8.15E-06	5.62E-09	1.71E-02	1.40E-03	1.67E+00	1.48E-01	3.04E-05	5.09E-06
HHR12	2.54E-03	1.67E-05	1.03E-08	3.52E-02	2.88E-03	1.82E+00	2.40E-01	6.64E-05	1.05E-05
HHR13	1.76E-03	1.43E-05	5.51E-09	2.99E-02	2.44E-03	1.85E+00	1.85E-01	3.66E-05	8.92E-06
HHR14	3.11E-03	7.84E-06	9.58E-09	1.65E-02	1.35E-03	1.08E+00	5.87E-01	3.10E-05	4.90E-06
HHR15	1.32E-04	7.59E-07	6.80E-09	1.60E-03	1.32E-04	1.13E-01	1.94E-02	6.15E-06	4.75E-07
HHR16	1.09E-03	4.52E-06	6.35E-09	9.50E-03	7.77E-04	1.15E+00	1.01E-01	5.67E-05	2.82E-06
HHR17	1.51E-03	4.06E-06	8.74E-09	8.54E-03	6.96E-04	1.37E+00	9.93E-02	1.56E-05	2.53E-06
HHR18	2.83E-03	1.50E-05	1.04E-08	3.16E-02	2.58E-03	3.27E+00	2.67E-01	3.64E-05	9.38E-06
HHR19	2.88E-03	1.52E-05	9.38E-09	3.19E-02	2.60E-03	3.42E+00	2.93E-01	2.61E-05	9.46E-06
HHR20	3.00E-03	1.71E-05	9.97E-09	3.59E-02	2.92E-03	3.56E+00	3.20E-01	2.89E-05	1.07E-05
HHR21	1.62E-03	1.12E-05	5.74E-09	2.36E-02	1.92E-03	1.70E+00	1.70E-01	3.27E-05	7.02E-06
HHR22	2.16E-03	6.05E-06	7.20E-09	1.27E-02	1.04E-03	1.92E+00	1.59E-01	3.07E-05	3.78E-06
HHR23	1.78E-03	1.37E-05	7.78E-09	2.88E-02	2.35E-03	1.29E+00	2.69E-01	5.80E-05	8.57E-06
HHR24	2.04E-03	1.45E-05	7.92E-09	3.05E-02	2.49E-03	1.45E+00	2.61E-01	6.14E-05	9.05E-06
HHR25	7.67E-04	3.54E-06	6.36E-09	7.43E-03	6.06E-04	7.30E-01	1.64E-01	1.83E-05	2.21E-06
HHR26	6.54E-04	2.64E-06	9.56E-09	5.55E-03	4.54E-04	7.11E-01	6.90E-02	1.46E-05	1.65E-06
HHR27	4.11E-04	1.38E-06	1.06E-08	2.90E-03	2.39E-04	4.10E-01	4.71E-02	1.13E-05	8.61E-07
HHR28	2.76E-04	1.18E-06	1.87E-08	2.54E-03	2.10E-04	1.86E-01	5.66E-02	1.00E-05	7.41E-07
HHR29	1.86E-03	1.81E-05	1.15E-08	3.81E-02	3.10E-03	1.59E+00	2.57E-01	2.27E-04	1.13E-05
HHR30	1.21E-03	6.54E-06	1.41E-08	1.38E-02	1.13E-03	7.83E-01	2.04E-01	1.91E-05	4.09E-06

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR31	4.81E-03	5.67E-05	2.43E-08	1.19E-01	9.72E-03	1.40E+00	6.10E-01	1.33E-04	3.55E-05
HHR32	2.44E-03	2.61E-05	1.61E-08	5.48E-02	4.47E-03	1.67E+00	4.20E-01	1.47E-04	1.63E-05
HHR33	4.32E-03	5.11E-05	8.69E-09	1.07E-01	8.76E-03	3.22E+00	3.52E-01	9.57E-05	3.20E-05
HHR34	1.01E-03	3.97E-06	6.27E-09	8.36E-03	6.84E-04	1.04E+00	9.26E-02	6.51E-05	2.48E-06
HHR35	2.50E-03	2.31E-05	1.14E-08	4.86E-02	3.96E-03	2.02E+00	3.28E-01	1.52E-04	1.45E-05
HHR36	4.68E-03	2.44E-05	1.06E-08	5.12E-02	4.18E-03	3.51E+00	2.86E-01	7.88E-05	1.52E-05
HHR37	1.66E-03	9.91E-06	1.35E-08	2.09E-02	1.70E-03	1.26E+00	2.80E-01	2.24E-05	6.19E-06
HHR38	1.01E-02	1.11E-05	1.21E-08	2.34E-02	1.91E-03	7.86E+00	3.95E-01	1.92E-04	6.96E-06
HHR39	1.74E-03	4.11E-06	9.50E-09	8.68E-03	7.07E-04	1.55E+00	1.13E-01	1.77E-05	2.57E-06
HHR40	1.47E-03	3.86E-06	8.33E-09	8.14E-03	6.63E-04	1.31E+00	9.91E-02	1.50E-05	2.41E-06
HHR41	2.14E-03	4.85E-06	1.07E-08	1.02E-02	8.32E-04	1.93E+00	1.31E-01	1.68E-05	3.03E-06
HHR42	1.19E-03	5.07E-06	7.07E-09	1.07E-02	8.71E-04	1.26E+00	1.09E-01	5.47E-05	3.16E-06
HHR43	1.51E-03	1.04E-05	8.30E-09	2.19E-02	1.78E-03	1.35E+00	3.64E-01	5.25E-05	6.50E-06
HHR44	1.56E-03	1.24E-05	7.50E-09	2.60E-02	2.12E-03	1.43E+00	2.85E-01	5.40E-05	7.73E-06
HHR45	2.39E-04	9.94E-07	1.33E-08	2.14E-03	1.75E-04	1.71E-01	4.31E-02	8.94E-06	6.23E-07
HHR46	3.65E-04	1.83E-06	2.95E-08	3.93E-03	3.19E-04	2.44E-01	6.23E-02	1.12E-05	1.15E-06
HHR47	3.93E-04	2.04E-06	2.15E-08	4.29E-03	3.51E-04	2.78E-01	7.11E-02	1.28E-05	1.27E-06
HHR48	1.33E-03	3.59E-06	8.01E-09	7.57E-03	6.17E-04	1.19E+00	9.31E-02	1.63E-05	2.24E-06
HHR49	3.45E-04	1.84E-06	3.44E-08	3.94E-03	3.18E-04	2.34E-01	5.73E-02	1.09E-05	1.15E-06
HHR50	4.06E-04	2.22E-06	2.80E-08	4.67E-03	3.82E-04	3.00E-01	7.49E-02	1.33E-05	1.39E-06
HHR51	3.13E-04	1.53E-06	2.75E-08	3.27E-03	2.66E-04	2.29E-01	4.92E-02	1.09E-05	9.57E-07
HHR52	6.88E-04	5.04E-06	2.02E-08	1.07E-02	8.71E-04	4.49E-01	1.04E-01	1.62E-05	3.16E-06
HHR53	4.01E-04	2.31E-06	3.66E-08	4.95E-03	4.01E-04	2.92E-01	7.11E-02	1.30E-05	1.45E-06
HHR54	7.49E-04	4.43E-06	2.43E-08	9.36E-03	7.63E-04	4.82E-01	1.10E-01	1.64E-05	2.77E-06
HHR55	4.37E-04	2.42E-06	2.36E-08	5.09E-03	4.16E-04	3.22E-01	7.87E-02	1.36E-05	1.51E-06
HHR56	7.98E-04	4.47E-06	2.15E-08	9.45E-03	7.70E-04	5.12E-01	1.26E-01	1.59E-05	2.79E-06
HHR57	1.01E-03	5.15E-06	1.59E-08	1.09E-02	8.88E-04	6.33E-01	1.59E-01	1.67E-05	3.22E-06
HHR58	2.43E-04	1.10E-06	1.20E-08	2.37E-03	1.91E-04	2.09E-01	3.70E-02	7.76E-06	6.86E-07
HHR59	2.44E-04	1.09E-06	1.10E-08	2.36E-03	1.91E-04	2.08E-01	3.49E-02	7.53E-06	6.85E-07
HHR60	2.72E-04	1.29E-06	1.24E-08	2.79E-03	2.24E-04	2.41E-01	3.99E-02	9.20E-06	8.09E-07
HHR61	1.12E-03	5.54E-06	7.22E-08	1.17E-02	9.54E-04	7.16E-01	2.30E-01	1.78E-05	3.46E-06
HHR62	1.46E-03	5.27E-06	2.53E-08	1.11E-02	9.07E-04	7.20E-01	2.86E-01	1.97E-05	3.30E-06

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR63	2.28E-03	6.75E-06	9.13E-09	1.42E-02	1.16E-03	9.56E-01	4.79E-01	2.72E-05	4.22E-06
HHR64	2.32E-03	8.28E-06	1.19E-08	1.74E-02	1.42E-03	2.08E+00	1.51E-01	2.47E-05	5.17E-06
HHR65	2.14E-03	7.96E-06	8.43E-09	1.67E-02	1.37E-03	1.17E+00	7.12E-01	3.91E-05	4.98E-06
HHR66	4.32E-04	1.48E-06	1.13E-08	3.13E-03	2.60E-04	4.40E-01	4.94E-02	1.13E-05	9.27E-07
HHR67	5.07E-04	2.18E-06	1.11E-08	4.58E-03	3.74E-04	5.54E-01	6.81E-02	1.58E-05	1.36E-06
HHR68	6.36E-04	2.91E-06	7.17E-09	6.12E-03	4.99E-04	5.66E-01	1.33E-01	1.71E-05	1.82E-06
HHR69	9.83E-04	2.99E-06	7.30E-09	6.30E-03	5.13E-04	8.89E-01	7.74E-02	1.75E-05	1.87E-06
HHR70	1.39E-03	3.58E-06	8.88E-09	7.54E-03	6.15E-04	1.25E+00	9.55E-02	1.99E-05	2.24E-06
HHR71	5.23E-03	1.61E-05	1.96E-08	3.41E-02	2.78E-03	4.90E+00	3.20E-01	7.19E-05	1.01E-05
HHR72	1.89E-04	9.13E-07	5.91E-09	1.92E-03	1.60E-04	1.69E-01	2.48E-02	8.62E-06	5.71E-07
HHR73	1.43E-03	4.87E-06	6.76E-09	1.02E-02	8.35E-04	1.33E+00	1.78E-01	2.83E-05	3.05E-06
HHR74	2.85E-03	1.54E-05	1.06E-08	3.24E-02	2.64E-03	3.36E+00	2.75E-01	3.40E-05	9.63E-06
HHR75	2.19E-03	1.46E-05	1.80E-08	3.06E-02	2.49E-03	1.63E+00	2.06E-01	5.70E-05	9.10E-06
HHR76	2.95E-03	1.27E-05	1.46E-08	2.67E-02	2.18E-03	2.68E+00	2.35E-01	3.29E-05	7.95E-06
HHR77	1.50E-03	1.18E-05	5.54E-09	2.47E-02	2.02E-03	1.55E+00	1.70E-01	3.18E-05	7.36E-06
HHR78	2.54E-03	8.85E-06	9.83E-09	1.86E-02	1.52E-03	2.55E+00	1.75E-01	2.46E-05	5.53E-06
HHR79	2.63E-03	1.40E-05	8.53E-09	2.95E-02	2.40E-03	3.03E+00	2.61E-01	3.00E-05	8.75E-06
HHR80	2.69E-03	8.10E-06	6.37E-09	1.70E-02	1.39E-03	2.10E+00	1.60E-01	7.02E-05	5.06E-06
HHR81	1.70E-03	7.63E-06	6.31E-09	1.61E-02	1.31E-03	1.90E+00	1.45E-01	4.32E-05	4.77E-06
HHR82	1.52E-03	6.20E-06	6.01E-09	1.30E-02	1.06E-03	1.63E+00	1.23E-01	4.74E-05	3.87E-06
HHR83	1.74E-03	7.49E-06	6.21E-09	1.58E-02	1.29E-03	1.91E+00	1.43E-01	4.59E-05	4.68E-06
MPOI	5.21E-02	9.17E-05	2.90E-07	1.93E-01	1.57E-02	2.84E+01	1.62E+01	7.88E-03	5.73E-05

Table M2-7: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	3.58E-09	1.17E-02	1.23E-06	1.45E-05	9.30E-03	5.67E-05	4.01E-03	4.57E-07
HHR2	2.11E-09	2.79E-02	1.48E-06	1.20E-05	2.43E-02	1.72E-04	3.88E-03	2.71E-07
HHR3	5.10E-09	1.13E-03	4.48E-07	4.28E-06	1.10E-03	4.58E-05	6.00E-04	7.14E-08
HHR4	2.24E-09	7.20E-03	1.42E-06	1.38E-05	6.54E-03	5.51E-05	4.55E-03	2.04E-07
HHR5	2.49E-09	6.10E-03	1.71E-06	1.17E-05	7.62E-03	3.65E-04	2.68E-03	1.29E-07
HHR6	1.91E-09	2.15E-03	5.25E-07	4.97E-06	1.52E-03	1.26E-05	2.51E-03	5.28E-08
HHR7	9.77E-10	5.54E-04	2.06E-07	1.87E-06	3.46E-04	2.74E-05	3.08E-04	2.95E-08
HHR8	1.90E-09	6.97E-03	1.67E-06	1.17E-05	4.95E-03	5.13E-05	5.86E-03	1.59E-07
HHR9	2.08E-09	7.68E-03	1.44E-06	1.02E-05	5.18E-03	8.62E-05	4.94E-03	1.76E-07
HHR10	4.94E-09	2.38E-03	6.31E-07	3.90E-06	1.73E-03	2.40E-04	1.44E-03	4.80E-08
HHR11	1.33E-09	2.89E-03	7.28E-07	8.19E-06	2.03E-03	1.21E-05	3.24E-03	4.36E-08
HHR12	3.10E-09	5.69E-03	1.71E-06	1.40E-05	4.56E-03	6.49E-05	6.68E-03	9.20E-08
HHR13	1.32E-09	3.98E-03	8.84E-07	1.71E-05	2.87E-03	1.25E-05	5.66E-03	4.36E-08
HHR14	2.92E-09	1.58E-02	1.34E-06	1.68E-05	1.36E-02	5.04E-05	3.13E-03	3.75E-07
HHR15	1.44E-09	3.79E-04	2.41E-07	3.03E-06	3.14E-04	1.07E-05	3.04E-04	3.53E-08
HHR16	1.29E-09	1.72E-03	1.37E-06	3.82E-06	1.26E-03	1.10E-05	1.80E-03	3.25E-08
HHR17	1.37E-09	1.57E-03	3.63E-07	4.09E-06	1.34E-03	1.22E-05	1.61E-03	2.42E-08
HHR18	1.61E-09	4.37E-03	8.75E-07	1.02E-05	2.72E-03	1.45E-05	5.97E-03	3.22E-08
HHR19	1.43E-09	5.02E-03	6.02E-07	1.16E-05	3.24E-03	1.29E-05	6.03E-03	3.28E-08
HHR20	1.59E-09	5.35E-03	6.86E-07	1.14E-05	3.34E-03	1.46E-05	6.78E-03	3.11E-08
HHR21	1.31E-09	3.50E-03	7.84E-07	1.24E-05	2.50E-03	1.24E-05	4.46E-03	4.46E-08
HHR22	1.75E-09	3.23E-03	8.58E-07	6.49E-06	2.57E-03	2.20E-05	2.40E-03	9.22E-08
HHR23	5.43E-09	5.41E-03	1.53E-06	1.52E-05	4.41E-03	5.95E-05	5.46E-03	1.27E-07
HHR24	4.28E-09	5.44E-03	1.60E-06	1.37E-05	4.32E-03	8.06E-05	5.78E-03	1.07E-07
HHR25	1.44E-09	2.76E-03	6.02E-07	3.88E-06	2.08E-03	1.40E-05	1.40E-03	8.59E-08
HHR26	1.85E-09	1.43E-03	4.25E-07	6.31E-06	1.14E-03	1.44E-05	1.05E-03	7.67E-08
HHR27	1.81E-09	1.01E-03	4.05E-07	5.17E-06	8.68E-04	1.60E-05	5.51E-04	5.84E-08
HHR28	2.92E-09	1.01E-03	4.91E-07	2.24E-06	7.33E-04	5.67E-05	5.22E-04	3.03E-08
HHR29	2.44E-09	7.62E-03	5.49E-06	1.69E-05	5.32E-03	1.89E-05	7.19E-03	4.56E-08
HHR30	2.11E-09	4.45E-03	9.45E-07	6.97E-06	3.16E-03	5.37E-05	2.62E-03	7.98E-08
HHR31	3.69E-09	2.65E-02	3.14E-06	3.70E-05	2.29E-02	3.23E-05	2.25E-02	5.43E-08
HHR32	2.46E-09	1.23E-02	3.54E-06	2.59E-05	8.74E-03	2.40E-05	1.04E-02	5.41E-08
HHR33	1.56E-09	1.37E-02	2.35E-06	3.62E-05	9.54E-03	3.95E-05	2.02E-02	8.28E-08

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	1.26E-09	1.71E-03	1.57E-06	3.47E-06	1.28E-03	1.10E-05	1.58E-03	3.11E-08
HHR35	2.64E-09	9.53E-03	3.67E-06	2.39E-05	6.31E-03	2.28E-05	9.18E-03	4.95E-08
HHR36	1.95E-09	7.57E-03	1.98E-06	1.85E-05	5.93E-03	1.19E-04	9.70E-03	8.13E-08
HHR37	2.08E-09	6.29E-03	1.36E-06	1.76E-05	6.18E-03	7.60E-05	3.97E-03	9.94E-08
HHR38	3.23E-09	5.67E-03	4.64E-06	1.04E-05	5.33E-03	2.55E-05	4.42E-03	4.63E-08
HHR39	1.64E-09	1.80E-03	4.20E-07	4.93E-06	1.49E-03	1.33E-05	1.64E-03	2.87E-08
HHR40	1.40E-09	1.59E-03	3.47E-07	4.16E-06	1.33E-03	1.17E-05	1.54E-03	2.60E-08
HHR41	1.78E-09	1.90E-03	3.81E-07	5.26E-06	1.67E-03	1.58E-05	1.93E-03	2.40E-08
HHR42	1.34E-09	1.86E-03	1.32E-06	4.18E-06	1.34E-03	1.14E-05	2.02E-03	3.38E-08
HHR43	2.18E-09	7.13E-03	1.41E-06	1.20E-05	6.67E-03	4.63E-05	4.13E-03	1.71E-07
HHR44	2.06E-09	5.68E-03	1.48E-06	1.66E-05	5.25E-03	4.01E-05	4.93E-03	1.31E-07
HHR45	2.16E-09	8.13E-04	4.19E-07	1.97E-06	6.28E-04	4.23E-05	4.33E-04	2.37E-08
HHR46	4.40E-09	1.37E-03	9.70E-07	3.72E-06	1.21E-03	4.66E-05	7.48E-04	6.30E-08
HHR47	3.22E-09	1.56E-03	9.60E-07	3.72E-06	1.37E-03	7.50E-05	8.14E-04	4.89E-08
HHR48	1.40E-09	1.54E-03	3.89E-07	3.94E-06	1.26E-03	1.13E-05	1.43E-03	2.61E-08
HHR49	5.11E-09	1.25E-03	9.08E-07	3.66E-06	1.08E-03	3.84E-05	7.44E-04	6.49E-08
HHR50	4.34E-09	1.65E-03	9.70E-07	3.98E-06	1.41E-03	8.51E-05	8.85E-04	4.79E-08
HHR51	4.11E-09	1.07E-03	7.98E-07	4.15E-06	9.68E-04	3.20E-05	6.21E-04	6.58E-08
HHR52	3.20E-09	3.12E-03	8.99E-07	6.43E-06	1.85E-03	3.01E-04	2.21E-03	5.54E-08
HHR53	5.63E-09	1.65E-03	1.38E-06	4.72E-06	1.59E-03	5.60E-05	9.35E-04	6.87E-08
HHR54	3.72E-09	3.29E-03	9.91E-07	6.31E-06	1.94E-03	2.98E-04	1.82E-03	6.21E-08
HHR55	3.71E-09	1.80E-03	9.48E-07	3.97E-06	1.42E-03	1.26E-04	9.63E-04	5.43E-08
HHR56	3.24E-09	2.90E-03	1.58E-06	5.74E-06	2.45E-03	9.88E-05	1.79E-03	6.61E-08
HHR57	2.43E-09	3.78E-03	1.53E-06	1.00E-05	3.50E-03	1.55E-04	2.06E-03	8.44E-08
HHR58	1.83E-09	7.90E-04	7.06E-07	5.60E-06	7.54E-04	1.87E-05	4.60E-04	6.40E-08
HHR59	1.68E-09	8.03E-04	7.01E-07	6.01E-06	7.85E-04	1.75E-05	4.59E-04	6.43E-08
HHR60	1.90E-09	9.85E-04	8.70E-07	6.75E-06	1.01E-03	1.89E-05	5.40E-04	8.08E-08
HHR61	1.07E-08	5.34E-03	1.57E-06	1.66E-05	1.26E-02	1.19E-04	2.21E-03	7.07E-07
HHR62	3.82E-09	6.98E-03	2.89E-06	2.64E-05	1.91E-02	5.08E-05	2.11E-03	2.28E-06
HHR63	2.34E-09	1.22E-02	1.58E-06	1.99E-05	9.77E-03	5.19E-05	2.69E-03	4.03E-07
HHR64	1.80E-09	2.76E-03	4.95E-07	9.09E-06	2.00E-03	1.63E-05	3.29E-03	3.05E-08
HHR65	2.55E-09	1.24E-02	1.30E-06	1.24E-05	8.92E-03	4.99E-05	3.17E-03	3.37E-07
HHR66	1.84E-09	1.06E-03	4.33E-07	5.74E-06	9.36E-04	1.67E-05	5.94E-04	6.16E-08
HHR67	2.61E-09	1.47E-03	5.10E-07	8.37E-06	1.23E-03	1.54E-05	8.66E-04	7.87E-08

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	1.48E-09	2.39E-03	5.42E-07	5.59E-06	1.85E-03	1.49E-05	1.16E-03	1.00E-07
HHR69	1.36E-09	1.33E-03	4.20E-07	3.11E-06	1.06E-03	1.10E-05	1.19E-03	2.52E-08
HHR70	1.55E-09	1.60E-03	4.78E-07	4.15E-06	1.29E-03	1.24E-05	1.43E-03	2.63E-08
HHR71	2.96E-09	6.82E-03	9.38E-07	2.84E-05	4.75E-03	2.69E-05	6.44E-03	3.13E-08
HHR72	1.21E-09	5.19E-04	2.13E-07	3.13E-06	4.67E-04	9.30E-06	3.65E-04	4.11E-08
HHR73	1.72E-09	3.63E-03	8.59E-07	6.60E-06	2.60E-03	2.23E-05	1.94E-03	9.69E-08
HHR74	1.65E-09	4.43E-03	8.17E-07	1.03E-05	2.76E-03	1.48E-05	6.13E-03	3.13E-08
HHR75	3.30E-09	4.91E-03	1.47E-06	1.12E-05	3.77E-03	3.56E-05	5.77E-03	7.58E-08
HHR76	4.57E-09	4.23E-03	8.46E-07	8.75E-06	2.97E-03	3.35E-05	5.05E-03	7.96E-08
HHR77	1.23E-09	3.63E-03	7.65E-07	1.42E-05	2.61E-03	1.18E-05	4.67E-03	4.53E-08
HHR78	1.49E-09	3.15E-03	5.12E-07	1.00E-05	2.28E-03	1.35E-05	3.52E-03	3.31E-08
HHR79	1.36E-09	4.39E-03	7.21E-07	9.38E-06	2.75E-03	1.26E-05	5.57E-03	3.26E-08
HHR80	1.37E-09	3.60E-03	1.69E-06	7.75E-06	2.52E-03	1.74E-05	3.22E-03	5.04E-08
HHR81	1.32E-09	2.33E-03	1.04E-06	5.67E-06	1.63E-03	1.18E-05	3.04E-03	4.02E-08
HHR82	1.54E-09	2.06E-03	1.14E-06	4.77E-06	1.49E-03	1.22E-05	2.47E-03	3.55E-08
HHR83	1.40E-09	2.32E-03	1.11E-06	5.65E-06	1.61E-03	1.18E-05	2.98E-03	3.68E-08
MPOI	4.33E-08	2.46E-01	1.90E-04	1.20E-04	2.56E-01	1.24E-03	3.63E-02	1.20E-05

Table M2-7: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	4.54E-07	4.54E-07	4.54E-07	3.62E-06	9.45E-03	4.52E-06	1.26E-06
HHR2	2.22E-07	2.22E-07	2.22E-07	2.99E-06	1.39E-02	3.79E-06	1.20E-06
HHR3	7.13E-08	7.13E-08	7.12E-08	1.07E-06	2.91E-03	1.35E-06	1.88E-07
HHR4	1.97E-07	1.97E-07	1.97E-07	3.17E-06	1.07E-02	2.82E-06	1.43E-06
HHR5	7.98E-08	8.00E-08	7.98E-08	2.89E-06	6.63E-03	3.60E-06	8.08E-07
HHR6	5.16E-08	5.19E-08	5.16E-08	1.06E-06	1.41E-02	1.28E-06	7.92E-07
HHR7	2.75E-08	2.74E-08	2.70E-08	4.26E-07	9.07E-04	5.71E-07	1.00E-07
HHR8	1.45E-07	1.45E-07	1.44E-07	2.59E-06	9.22E-03	2.32E-06	1.85E-06
HHR9	1.73E-07	1.73E-07	1.73E-07	2.34E-06	9.39E-03	2.71E-06	1.56E-06
HHR10	4.56E-08	4.57E-08	4.56E-08	8.32E-07	3.65E-03	9.30E-07	4.35E-07
HHR11	4.18E-08	4.19E-08	4.18E-08	1.87E-06	1.47E-02	8.42E-07	1.02E-06
HHR12	8.24E-08	8.25E-08	8.22E-08	3.13E-06	9.99E-03	3.33E-06	2.10E-06
HHR13	4.14E-08	4.15E-08	4.14E-08	3.94E-06	1.68E-02	8.44E-07	1.79E-06
HHR14	3.67E-07	3.67E-07	3.67E-07	4.20E-06	7.95E-03	5.26E-06	9.84E-07
HHR15	3.48E-08	3.51E-08	3.48E-08	7.53E-07	8.46E-04	9.33E-07	9.62E-08
HHR16	2.96E-08	2.98E-08	2.95E-08	8.12E-07	9.77E-03	6.30E-07	5.70E-07
HHR17	2.35E-08	2.37E-08	2.34E-08	7.89E-07	8.41E-03	4.81E-07	5.10E-07
HHR18	3.11E-08	3.13E-08	3.10E-08	2.21E-06	3.28E-02	8.17E-07	1.88E-06
HHR19	3.14E-08	3.15E-08	3.13E-08	2.45E-06	3.31E-02	6.40E-07	1.90E-06
HHR20	3.05E-08	3.06E-08	3.04E-08	2.51E-06	3.68E-02	7.19E-07	2.14E-06
HHR21	4.16E-08	4.17E-08	4.16E-08	2.86E-06	1.52E-02	8.46E-07	1.41E-06
HHR22	8.64E-08	8.65E-08	8.64E-08	1.53E-06	1.12E-02	1.87E-06	7.58E-07
HHR23	1.17E-07	1.17E-07	1.17E-07	3.45E-06	1.01E-02	6.17E-06	1.72E-06
HHR24	1.01E-07	1.01E-07	1.01E-07	3.07E-06	9.72E-03	4.76E-06	1.82E-06
HHR25	8.53E-08	8.54E-08	8.53E-08	9.68E-07	6.10E-03	1.20E-06	4.43E-07
HHR26	7.43E-08	7.45E-08	7.43E-08	1.57E-06	5.75E-03	1.98E-06	3.32E-07
HHR27	5.83E-08	5.84E-08	5.82E-08	1.29E-06	2.84E-03	1.66E-06	1.74E-07
HHR28	2.57E-08	2.58E-08	2.55E-08	5.01E-07	1.79E-03	5.96E-07	1.53E-07
HHR29	3.90E-08	3.91E-08	3.90E-08	3.80E-06	1.08E-02	1.22E-06	2.27E-06
HHR30	7.22E-08	7.23E-08	7.22E-08	1.73E-06	7.91E-03	2.11E-06	8.21E-07
HHR31	4.65E-08	4.66E-08	4.63E-08	8.04E-06	1.10E-02	1.55E-06	7.10E-06
HHR32	4.60E-08	4.61E-08	4.59E-08	5.94E-06	1.25E-02	1.35E-06	3.27E-06
HHR33	7.04E-08	7.05E-08	7.01E-08	8.30E-06	1.46E-02	1.54E-06	6.39E-06

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	2.81E-08	2.83E-08	2.81E-08	7.38E-07	8.56E-03	5.84E-07	5.02E-07
HHR35	4.38E-08	4.39E-08	4.37E-08	5.48E-06	1.22E-02	1.08E-06	2.90E-06
HHR36	7.39E-08	7.40E-08	7.38E-08	4.15E-06	1.51E-02	2.12E-06	3.05E-06
HHR37	8.17E-08	8.19E-08	8.16E-08	4.39E-06	1.47E-02	5.43E-06	1.24E-06
HHR38	4.21E-08	4.22E-08	4.20E-08	2.31E-06	2.60E-02	8.28E-07	1.39E-06
HHR39	2.79E-08	2.81E-08	2.78E-08	9.28E-07	9.39E-03	5.59E-07	5.19E-07
HHR40	2.55E-08	2.56E-08	2.53E-08	7.94E-07	8.23E-03	5.04E-07	4.86E-07
HHR41	2.29E-08	2.31E-08	2.29E-08	1.00E-06	1.16E-02	4.62E-07	6.10E-07
HHR42	3.10E-08	3.13E-08	3.10E-08	8.89E-07	1.12E-02	6.57E-07	6.38E-07
HHR43	1.67E-07	1.67E-07	1.67E-07	2.76E-06	1.06E-02	2.73E-06	1.30E-06
HHR44	1.22E-07	1.22E-07	1.22E-07	3.77E-06	1.18E-02	2.65E-06	1.55E-06
HHR45	2.16E-08	2.16E-08	2.11E-08	4.21E-07	1.55E-03	5.50E-07	1.28E-07
HHR46	6.19E-08	6.20E-08	6.18E-08	8.71E-07	2.18E-03	1.07E-06	2.32E-07
HHR47	4.50E-08	4.52E-08	4.49E-08	8.26E-07	2.48E-03	9.78E-07	2.56E-07
HHR48	2.57E-08	2.59E-08	2.55E-08	7.52E-07	7.52E-03	4.99E-07	4.52E-07
HHR49	6.32E-08	6.34E-08	6.32E-08	8.30E-07	2.09E-03	1.05E-06	2.32E-07
HHR50	4.40E-08	4.42E-08	4.39E-08	8.59E-07	2.64E-03	1.08E-06	2.79E-07
HHR51	5.85E-08	5.88E-08	5.84E-08	1.03E-06	2.04E-03	1.28E-06	1.94E-07
HHR52	5.09E-08	5.11E-08	5.09E-08	1.36E-06	3.76E-03	1.26E-06	6.45E-07
HHR53	6.36E-08	6.38E-08	6.35E-08	1.07E-06	2.50E-03	1.19E-06	2.92E-07
HHR54	5.77E-08	5.79E-08	5.77E-08	1.51E-06	4.03E-03	1.86E-06	5.58E-07
HHR55	4.42E-08	4.43E-08	4.41E-08	8.27E-07	2.85E-03	1.02E-06	3.03E-07
HHR56	4.78E-08	4.79E-08	4.78E-08	1.34E-06	4.17E-03	1.69E-06	5.61E-07
HHR57	6.21E-08	6.21E-08	6.21E-08	2.49E-06	4.94E-03	3.14E-06	6.47E-07
HHR58	6.02E-08	6.02E-08	6.01E-08	1.39E-06	1.47E-03	1.76E-06	1.40E-07
HHR59	6.33E-08	6.34E-08	6.33E-08	1.50E-06	1.47E-03	1.89E-06	1.40E-07
HHR60	7.97E-08	7.99E-08	7.97E-08	1.68E-06	1.70E-03	2.11E-06	1.65E-07
HHR61	8.53E-08	8.55E-08	8.52E-08	4.14E-06	5.63E-03	5.26E-06	6.96E-07
HHR62	1.46E-07	1.46E-07	1.46E-07	6.58E-06	5.50E-03	8.32E-06	6.62E-07
HHR63	2.59E-07	2.59E-07	2.59E-07	4.86E-06	7.09E-03	6.20E-06	8.48E-07
HHR64	2.98E-08	3.01E-08	2.97E-08	1.56E-06	1.63E-02	6.53E-07	1.04E-06
HHR65	3.26E-07	3.26E-07	3.26E-07	3.06E-06	8.68E-03	3.79E-06	9.98E-07
HHR66	6.14E-08	6.16E-08	6.14E-08	1.43E-06	3.19E-03	1.82E-06	1.88E-07
HHR67	7.85E-08	7.86E-08	7.85E-08	2.09E-06	4.61E-03	2.63E-06	2.74E-07

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	9.97E-08	9.98E-08	9.97E-08	1.39E-06	5.74E-03	1.75E-06	3.65E-07
HHR69	2.47E-08	2.50E-08	2.47E-08	6.12E-07	5.91E-03	4.83E-07	3.76E-07
HHR70	2.58E-08	2.60E-08	2.57E-08	7.88E-07	7.68E-03	4.92E-07	4.51E-07
HHR71	2.99E-08	3.01E-08	2.99E-08	4.72E-06	3.62E-02	2.04E-06	2.05E-06
HHR72	4.00E-08	4.06E-08	4.00E-08	7.76E-07	1.26E-03	9.85E-07	1.19E-07
HHR73	9.11E-08	9.12E-08	9.11E-08	1.60E-06	8.41E-03	1.95E-06	6.10E-07
HHR74	3.02E-08	3.04E-08	3.02E-08	2.24E-06	3.40E-02	7.78E-07	1.93E-06
HHR75	7.06E-08	7.07E-08	7.05E-08	2.51E-06	9.11E-03	1.78E-06	1.82E-06
HHR76	7.74E-08	7.75E-08	7.74E-08	1.99E-06	2.51E-02	1.24E-06	1.59E-06
HHR77	4.24E-08	4.24E-08	4.24E-08	3.27E-06	1.38E-02	8.08E-07	1.47E-06
HHR78	3.23E-08	3.27E-08	3.22E-08	1.79E-06	1.95E-02	6.80E-07	1.11E-06
HHR79	3.12E-08	3.14E-08	3.11E-08	2.06E-06	3.06E-02	7.70E-07	1.75E-06
HHR80	4.70E-08	4.71E-08	4.70E-08	1.75E-06	8.34E-03	7.24E-07	1.01E-06
HHR81	3.81E-08	3.82E-08	3.81E-08	1.19E-06	1.70E-02	8.82E-07	9.59E-07
HHR82	3.31E-08	3.32E-08	3.31E-08	9.97E-07	1.38E-02	8.12E-07	7.79E-07
HHR83	3.49E-08	3.49E-08	3.49E-08	1.17E-06	1.66E-02	8.64E-07	9.41E-07
MPOI	1.47E-06	1.47E-06	1.47E-06	1.76E-05	8.53E-02	2.04E-05	1.15E-05

Table M2-7: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	3.60E-06	2.10E-05	4.54E-07	1.57E-02	2.51E-05	3.42E-09	1.13E-02	1.07E-01	1.01E-02
HHR2	2.30E-06	1.33E-05	2.22E-07	3.80E-02	2.39E-05	4.49E-09	1.08E-02	2.82E-01	2.72E-02
HHR3	3.04E-06	7.26E-06	7.14E-08	6.95E-04	3.73E-06	1.24E-08	1.70E-03	4.42E-02	8.21E-03
HHR4	2.30E-06	2.45E-05	1.98E-07	1.04E-02	2.86E-05	3.13E-09	1.28E-02	1.12E-01	6.81E-03
HHR5	1.11E-06	9.17E-06	8.03E-08	2.62E-02	1.60E-05	6.29E-09	7.31E-03	9.76E-02	9.04E-03
HHR6	3.42E-06	9.80E-06	5.29E-08	1.15E-03	1.58E-05	4.76E-09	7.09E-03	1.52E-01	2.41E-03
HHR7	3.84E-07	3.04E-06	2.71E-08	4.10E-04	1.79E-06	2.03E-09	8.85E-04	1.00E-02	3.14E-04
HHR8	1.61E-06	3.02E-05	1.45E-07	6.71E-03	3.69E-05	2.79E-09	1.66E-02	1.01E-01	4.34E-03
HHR9	1.98E-06	2.48E-05	1.74E-07	8.25E-03	3.10E-05	2.99E-09	1.39E-02	9.85E-02	5.26E-03
HHR10	2.03E-06	8.16E-06	4.60E-08	2.67E-03	8.63E-06	4.59E-09	3.93E-03	3.75E-02	1.68E-03
HHR11	9.07E-07	1.43E-05	4.21E-08	1.59E-03	2.04E-05	2.13E-09	9.13E-03	1.60E-01	1.50E-03
HHR12	1.18E-06	2.92E-05	8.27E-08	6.42E-03	4.19E-05	3.89E-09	1.89E-02	9.40E-02	3.43E-03
HHR13	7.94E-07	1.42E-05	4.16E-08	1.83E-03	3.57E-05	2.09E-09	1.60E-02	1.85E-01	1.75E-03
HHR14	3.26E-06	1.50E-05	3.67E-07	2.47E-02	1.96E-05	3.63E-09	8.83E-03	1.54E-01	1.50E-02
HHR15	5.98E-07	3.02E-06	3.62E-08	3.88E-04	1.90E-06	2.58E-09	8.90E-04	8.63E-03	4.52E-04
HHR16	5.51E-07	2.97E-05	3.06E-08	1.10E-03	1.13E-05	2.41E-09	5.10E-03	1.04E-01	8.83E-04
HHR17	7.73E-07	7.85E-06	2.42E-08	4.77E-04	1.01E-05	3.31E-09	4.57E-03	7.66E-02	9.77E-04
HHR18	9.40E-07	1.85E-05	3.18E-08	1.01E-03	3.76E-05	3.96E-09	1.69E-02	3.70E-01	1.09E-03
HHR19	1.10E-06	1.26E-05	3.20E-08	1.02E-03	3.79E-05	3.55E-09	1.70E-02	3.71E-01	1.21E-03
HHR20	1.05E-06	1.45E-05	3.11E-08	1.04E-03	4.27E-05	3.77E-09	1.91E-02	4.14E-01	1.14E-03
HHR21	8.38E-07	1.41E-05	4.18E-08	1.73E-03	2.81E-05	2.18E-09	1.26E-02	1.66E-01	1.64E-03
HHR22	1.02E-06	1.55E-05	8.67E-08	4.43E-03	1.51E-05	2.73E-09	6.82E-03	1.02E-01	2.41E-03
HHR23	1.50E-06	2.63E-05	1.17E-07	7.63E-03	3.43E-05	2.95E-09	1.55E-02	1.08E-01	4.28E-03
HHR24	1.34E-06	2.76E-05	1.01E-07	7.29E-03	3.62E-05	3.00E-09	1.63E-02	1.00E-01	4.06E-03
HHR25	8.08E-07	9.07E-06	8.55E-08	2.97E-03	8.85E-06	2.41E-09	3.97E-03	5.90E-02	1.98E-03
HHR26	1.39E-06	7.57E-06	7.48E-08	1.11E-03	6.60E-06	3.63E-09	2.99E-03	6.19E-02	1.80E-03
HHR27	1.23E-06	5.71E-06	5.84E-08	1.21E-03	3.44E-06	4.04E-09	1.61E-03	2.84E-02	1.13E-03
HHR28	9.72E-07	4.91E-06	2.64E-08	1.10E-03	2.97E-06	7.10E-09	1.44E-03	2.00E-02	6.88E-04
HHR29	9.93E-07	1.18E-04	3.94E-08	3.05E-03	4.52E-05	4.36E-09	2.03E-02	1.07E-01	1.80E-03
HHR30	1.06E-06	9.07E-06	7.24E-08	6.78E-03	1.64E-05	5.34E-09	7.41E-03	7.67E-02	3.14E-03
HHR31	1.99E-06	6.35E-05	4.65E-08	9.02E-03	1.41E-04	9.22E-09	6.36E-02	2.58E-01	7.16E-03
HHR32	1.34E-06	7.19E-05	4.62E-08	3.90E-03	6.52E-05	6.12E-09	2.92E-02	1.39E-01	2.58E-03
HHR33	1.01E-06	4.00E-05	7.04E-08	4.67E-03	1.28E-04	3.30E-09	5.72E-02	1.45E-01	3.18E-03

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	5.20E-07	3.40E-05	2.88E-08	1.08E-03	9.94E-06	2.38E-09	4.50E-03	9.04E-02	8.72E-04
HHR35	9.92E-07	7.70E-05	4.40E-08	3.05E-03	5.78E-05	4.35E-09	2.59E-02	1.24E-01	1.93E-03
HHR36	1.10E-06	3.36E-05	7.42E-08	5.56E-03	6.10E-05	4.03E-09	2.73E-02	1.13E-01	3.45E-03
HHR37	8.84E-07	1.02E-05	8.27E-08	1.79E-02	2.48E-05	5.13E-09	1.12E-02	1.70E-01	6.63E-03
HHR38	1.04E-06	1.00E-04	4.64E-08	2.62E-03	2.78E-05	4.60E-09	1.25E-02	1.12E-01	5.85E-03
HHR39	8.50E-07	9.15E-06	2.87E-08	5.40E-04	1.03E-05	3.61E-09	4.65E-03	8.86E-02	1.13E-03
HHR40	7.67E-07	7.51E-06	2.62E-08	4.98E-04	9.67E-06	3.16E-09	4.35E-03	7.61E-02	9.77E-04
HHR41	8.89E-07	8.21E-06	2.39E-08	5.24E-04	1.21E-05	4.06E-09	5.46E-03	1.03E-01	1.28E-03
HHR42	6.06E-07	2.88E-05	3.22E-08	1.16E-03	1.27E-05	2.68E-09	5.71E-03	1.21E-01	9.22E-04
HHR43	2.41E-06	2.34E-05	1.68E-07	1.07E-02	2.60E-05	3.15E-09	1.17E-02	1.10E-01	6.97E-03
HHR44	1.86E-06	2.32E-05	1.23E-07	8.67E-03	3.09E-05	2.84E-09	1.39E-02	1.26E-01	5.44E-03
HHR45	7.40E-07	4.31E-06	2.15E-08	8.51E-04	2.50E-06	5.05E-09	1.19E-03	1.73E-02	5.60E-04
HHR46	1.54E-06	5.37E-06	6.23E-08	2.55E-03	4.60E-06	1.12E-08	2.16E-03	2.40E-02	1.10E-03
HHR47	1.01E-06	6.04E-06	4.58E-08	2.96E-03	5.10E-06	8.16E-09	2.33E-03	2.69E-02	1.14E-03
HHR48	7.39E-07	8.45E-06	2.66E-08	5.03E-04	8.99E-06	3.05E-09	4.05E-03	7.05E-02	9.30E-04
HHR49	1.80E-06	5.39E-06	6.39E-08	2.24E-03	4.61E-06	1.30E-08	2.14E-03	2.36E-02	1.08E-03
HHR50	1.13E-06	6.33E-06	4.49E-08	3.13E-03	5.55E-06	1.06E-08	2.51E-03	2.85E-02	1.21E-03
HHR51	1.40E-06	5.29E-06	5.99E-08	1.93E-03	3.83E-06	1.04E-08	1.79E-03	2.24E-02	8.99E-04
HHR52	7.31E-07	7.44E-06	5.13E-08	3.13E-03	1.27E-05	7.68E-09	5.80E-03	4.05E-02	1.82E-03
HHR53	1.27E-06	6.11E-06	6.44E-08	3.97E-03	5.79E-06	1.39E-08	2.71E-03	2.70E-02	1.74E-03
HHR54	7.96E-07	7.30E-06	5.81E-08	3.47E-03	1.11E-05	9.22E-09	5.04E-03	4.38E-02	1.86E-03
HHR55	8.84E-07	6.57E-06	4.44E-08	2.72E-03	6.04E-06	8.97E-09	2.73E-03	2.98E-02	1.33E-03
HHR56	7.02E-07	6.56E-06	4.82E-08	5.62E-03	1.12E-05	8.17E-09	5.09E-03	4.51E-02	2.27E-03
HHR57	9.51E-07	7.48E-06	6.23E-08	1.02E-02	1.29E-05	6.04E-09	5.86E-03	6.28E-02	4.08E-03
HHR58	8.94E-07	3.72E-06	6.04E-08	1.73E-03	2.75E-06	4.54E-09	1.30E-03	1.60E-02	7.76E-04
HHR59	8.67E-07	3.66E-06	6.36E-08	1.87E-03	2.75E-06	4.19E-09	1.30E-03	1.60E-02	8.37E-04
HHR60	1.08E-06	4.41E-06	8.01E-08	2.61E-03	3.24E-06	4.72E-09	1.53E-03	1.84E-02	1.07E-03
HHR61	1.31E-06	8.35E-06	8.64E-08	4.60E-02	1.39E-05	2.74E-08	6.28E-03	1.56E-01	1.52E-02
HHR62	1.54E-06	8.25E-06	1.47E-07	8.78E-02	1.32E-05	9.58E-09	5.98E-03	2.29E-01	2.36E-02
HHR63	2.93E-06	1.30E-05	2.60E-07	2.75E-02	1.69E-05	3.46E-09	7.61E-03	1.09E-01	1.05E-02
HHR64	1.01E-06	1.05E-05	3.14E-08	8.00E-04	2.07E-05	4.51E-09	9.29E-03	1.86E-01	1.29E-03
HHR65	3.23E-06	1.87E-05	3.26E-07	1.74E-02	1.99E-05	3.20E-09	8.95E-03	1.05E-01	9.96E-03
HHR66	9.12E-07	5.81E-06	6.20E-08	1.19E-03	3.72E-06	4.30E-09	1.75E-03	3.25E-02	1.27E-03
HHR67	1.07E-06	8.16E-06	7.90E-08	1.46E-03	5.44E-06	4.21E-09	2.46E-03	4.96E-02	3.51E-03

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	8.36E-07	8.58E-06	1.00E-07	2.21E-03	7.29E-06	2.72E-09	3.27E-03	5.17E-02	1.75E-03
HHR69	6.25E-07	9.15E-06	2.62E-08	4.94E-04	7.48E-06	2.78E-09	3.37E-03	5.59E-02	7.93E-04
HHR70	8.10E-07	1.04E-05	2.67E-08	5.25E-04	8.96E-06	3.38E-09	4.04E-03	7.37E-02	9.64E-04
HHR71	1.63E-06	2.01E-05	3.09E-08	9.92E-04	4.05E-05	7.44E-09	1.83E-02	3.91E-01	2.53E-03
HHR72	6.31E-07	4.32E-06	4.27E-08	8.03E-04	2.29E-06	2.24E-09	1.08E-03	1.30E-02	7.89E-04
HHR73	1.05E-06	1.42E-05	9.15E-08	4.68E-03	1.22E-05	2.56E-09	5.47E-03	7.83E-02	2.49E-03
HHR74	9.69E-07	1.73E-05	3.09E-08	9.81E-04	3.86E-05	4.01E-09	1.73E-02	3.82E-01	1.04E-03
HHR75	1.37E-06	2.54E-05	7.10E-08	4.97E-03	3.64E-05	6.84E-09	1.63E-02	9.33E-02	2.76E-03
HHR76	1.60E-06	1.50E-05	7.77E-08	3.16E-03	3.17E-05	5.53E-09	1.42E-02	2.31E-01	2.86E-02
HHR77	8.31E-07	1.34E-05	4.25E-08	1.78E-03	2.95E-05	2.10E-09	1.32E-02	1.52E-01	1.76E-03
HHR78	1.05E-06	1.08E-05	3.39E-08	8.70E-04	2.21E-05	3.72E-09	9.93E-03	2.12E-01	1.24E-03
HHR79	1.08E-06	1.51E-05	3.20E-08	1.11E-03	3.51E-05	3.23E-09	1.57E-02	3.42E-01	1.11E-03
HHR80	5.78E-07	3.64E-05	4.72E-08	1.81E-03	2.03E-05	2.42E-09	9.08E-03	6.48E-02	1.63E-03
HHR81	7.00E-07	2.24E-05	3.85E-08	1.37E-03	1.91E-05	2.39E-09	8.58E-03	1.85E-01	1.10E-03
HHR82	6.70E-07	2.47E-05	3.33E-08	1.41E-03	1.55E-05	2.28E-09	6.97E-03	1.49E-01	1.12E-03
HHR83	6.81E-07	2.39E-05	3.52E-08	1.32E-03	1.87E-05	2.36E-09	8.43E-03	1.83E-01	1.04E-03
MPOI	1.75E-05	4.17E-03	1.47E-06	5.12E-01	2.30E-04	1.10E-07	1.03E-01	2.89E+00	3.06E-01

Table M2-7: *(cont'd)*

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	4.54E-07	8.25E-06	9.27E-06	3.54E-06	4.15E-04	6.96E-06	4.65E-05	1.75E-04	3.65E-05
HHR2	2.22E-07	8.16E-06	1.61E-05	2.97E-06	7.46E-04	5.77E-06	4.42E-05	2.30E-04	3.47E-05
HHR3	7.14E-08	1.66E-06	7.31E-06	1.06E-06	7.85E-05	5.29E-06	6.91E-06	6.36E-04	5.42E-06
HHR4	1.98E-07	1.31E-05	7.22E-06	2.18E-06	4.40E-04	4.50E-06	5.29E-05	1.60E-04	4.15E-05
HHR5	8.04E-08	6.95E-06	4.18E-05	2.79E-06	3.27E-04	5.48E-06	2.95E-05	3.22E-04	2.31E-05
HHR6	5.30E-08	4.39E-06	6.75E-06	1.00E-06	2.68E-04	5.99E-06	2.92E-05	2.44E-04	2.29E-05
HHR7	2.76E-08	8.02E-07	6.71E-06	3.89E-07	4.05E-05	1.12E-06	3.36E-06	1.04E-04	2.59E-06
HHR8	1.45E-07	1.15E-05	6.68E-06	1.81E-06	5.45E-04	3.67E-06	6.83E-05	1.43E-04	5.35E-05
HHR9	1.74E-07	9.43E-06	1.00E-05	2.11E-06	4.63E-04	4.26E-06	5.74E-05	1.53E-04	4.50E-05
HHR10	4.59E-08	3.46E-06	2.16E-05	7.01E-07	1.55E-04	3.66E-06	1.60E-05	2.35E-04	1.25E-05
HHR11	4.21E-08	7.72E-06	4.97E-06	6.36E-07	3.38E-04	1.64E-06	3.77E-05	1.09E-04	2.96E-05
HHR12	8.28E-08	1.44E-05	5.95E-06	1.29E-06	5.90E-04	5.85E-06	7.75E-05	1.99E-04	6.07E-05
HHR13	4.16E-08	1.56E-05	5.06E-06	6.28E-07	5.46E-04	1.45E-06	6.60E-05	1.07E-04	5.18E-05
HHR14	3.67E-07	6.31E-06	8.50E-06	4.12E-06	3.97E-04	8.00E-06	3.63E-05	1.86E-04	2.85E-05
HHR15	3.63E-08	7.48E-07	1.38E-05	7.28E-07	3.27E-05	1.63E-06	3.52E-06	1.32E-04	2.76E-06
HHR16	3.07E-08	4.54E-06	3.20E-06	3.64E-07	1.97E-04	1.52E-06	2.09E-05	1.23E-04	1.64E-05
HHR17	2.44E-08	3.77E-06	3.49E-06	3.40E-07	1.68E-04	1.36E-06	1.88E-05	1.69E-04	1.47E-05
HHR18	3.19E-08	9.33E-06	3.33E-06	5.80E-07	6.45E-04	1.86E-06	6.96E-05	2.03E-04	5.46E-05
HHR19	3.20E-08	1.05E-05	3.65E-06	4.64E-07	6.60E-04	2.03E-06	7.01E-05	1.82E-04	5.51E-05
HHR20	3.12E-08	1.04E-05	3.69E-06	5.34E-07	7.39E-04	2.01E-06	7.90E-05	1.93E-04	6.20E-05
HHR21	4.18E-08	1.15E-05	5.02E-06	6.33E-07	4.45E-04	1.51E-06	5.20E-05	1.11E-04	4.08E-05
HHR22	8.68E-08	5.34E-06	8.10E-06	1.42E-06	2.52E-04	3.04E-06	2.80E-05	1.40E-04	2.19E-05
HHR23	1.17E-07	1.40E-05	6.29E-06	1.66E-06	5.10E-04	1.07E-05	6.35E-05	1.51E-04	4.98E-05
HHR24	1.01E-07	1.34E-05	6.16E-06	1.53E-06	5.26E-04	8.32E-06	6.70E-05	1.54E-04	5.25E-05
HHR25	8.55E-08	2.97E-06	9.39E-06	9.34E-07	1.61E-04	1.84E-06	1.64E-05	1.24E-04	1.28E-05
HHR26	7.49E-08	1.86E-06	1.22E-05	1.55E-06	1.11E-04	3.03E-06	1.22E-05	1.86E-04	9.59E-06
HHR27	5.85E-08	1.52E-06	9.89E-06	1.28E-06	5.83E-05	2.75E-06	6.39E-06	2.07E-04	5.00E-06
HHR28	2.64E-08	1.96E-06	5.48E-06	4.29E-07	5.87E-05	1.90E-06	5.50E-06	3.64E-04	4.30E-06
HHR29	3.94E-08	1.73E-05	3.92E-06	6.47E-07	6.67E-04	2.14E-06	8.38E-05	2.23E-04	6.56E-05
HHR30	7.25E-08	5.65E-06	2.07E-05	1.62E-06	3.03E-04	3.26E-06	3.03E-05	2.73E-04	2.37E-05
HHR31	4.68E-08	3.32E-05	6.92E-06	8.23E-07	1.91E-03	3.53E-06	2.63E-04	4.72E-04	2.06E-04
HHR32	4.64E-08	2.47E-05	5.47E-06	7.52E-07	9.49E-04	2.44E-06	1.21E-04	3.13E-04	9.46E-05
HHR33	7.07E-08	3.36E-05	5.93E-06	8.98E-07	1.69E-03	2.51E-06	2.36E-04	1.69E-04	1.85E-04

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	2.89E-08	4.59E-06	2.79E-06	3.50E-07	1.75E-04	1.43E-06	1.84E-05	1.22E-04	1.44E-05
HHR35	4.41E-08	2.17E-05	4.71E-06	6.24E-07	8.50E-04	2.00E-06	1.07E-04	2.23E-04	8.38E-05
HHR36	7.43E-08	1.88E-05	6.40E-06	1.08E-06	8.28E-04	3.77E-06	1.13E-04	2.07E-04	8.84E-05
HHR37	8.28E-08	7.59E-06	3.29E-05	4.23E-06	4.47E-04	8.24E-06	4.59E-05	2.63E-04	3.59E-05
HHR38	4.66E-08	1.26E-05	4.78E-06	5.21E-07	4.54E-04	2.12E-06	5.15E-05	2.36E-04	4.04E-05
HHR39	2.88E-08	4.48E-06	3.67E-06	4.27E-07	1.81E-04	1.52E-06	1.91E-05	1.85E-04	1.49E-05
HHR40	2.64E-08	3.82E-06	3.49E-06	3.65E-07	1.64E-04	1.35E-06	1.79E-05	1.62E-04	1.40E-05
HHR41	2.40E-08	4.79E-06	3.47E-06	3.24E-07	2.04E-04	1.61E-06	2.25E-05	2.08E-04	1.76E-05
HHR42	3.23E-08	4.74E-06	3.44E-06	3.97E-07	2.21E-04	1.62E-06	2.35E-05	1.37E-04	1.84E-05
HHR43	1.68E-07	1.19E-05	7.98E-06	2.10E-06	4.07E-04	4.34E-06	4.81E-05	1.61E-04	3.77E-05
HHR44	1.24E-07	1.57E-05	7.34E-06	1.99E-06	4.63E-04	4.26E-06	5.72E-05	1.46E-04	4.49E-05
HHR45	2.16E-08	1.66E-06	5.91E-06	3.78E-07	4.93E-05	1.70E-06	4.63E-06	2.58E-04	3.61E-06
HHR46	6.24E-08	3.27E-06	3.04E-05	7.74E-07	1.25E-04	2.73E-06	8.51E-06	5.72E-04	6.65E-06
HHR47	4.59E-08	3.25E-06	2.43E-05	7.09E-07	1.52E-04	1.85E-06	9.44E-06	4.18E-04	7.40E-06
HHR48	2.68E-08	3.62E-06	3.47E-06	3.66E-07	1.55E-04	1.32E-06	1.66E-05	1.56E-04	1.30E-05
HHR49	6.39E-08	3.24E-06	2.70E-05	7.47E-07	1.08E-04	3.13E-06	8.53E-06	6.67E-04	6.67E-06
HHR50	4.49E-08	3.31E-06	2.72E-05	7.61E-07	1.62E-04	2.04E-06	1.03E-05	5.44E-04	8.06E-06
HHR51	5.99E-08	2.54E-06	2.43E-05	9.95E-07	8.30E-05	2.44E-06	7.10E-06	5.33E-04	5.55E-06
HHR52	5.14E-08	5.65E-06	2.08E-05	9.18E-07	2.13E-04	2.04E-06	2.34E-05	3.93E-04	1.83E-05
HHR53	6.45E-08	4.24E-06	3.56E-05	8.97E-07	2.02E-04	2.51E-06	1.07E-05	7.11E-04	8.38E-06
HHR54	5.82E-08	5.17E-06	2.52E-05	1.40E-06	2.00E-04	2.95E-06	2.05E-05	4.72E-04	1.61E-05
HHR55	4.46E-08	3.36E-06	2.20E-05	6.81E-07	1.50E-04	1.90E-06	1.12E-05	4.59E-04	8.77E-06
HHR56	4.82E-08	5.17E-06	4.79E-05	1.30E-06	2.43E-04	2.71E-06	2.07E-05	4.18E-04	1.62E-05
HHR57	6.23E-08	5.30E-06	4.71E-05	2.42E-06	2.54E-04	4.87E-06	2.39E-05	3.09E-04	1.87E-05
HHR58	6.05E-08	2.29E-06	2.09E-05	1.36E-06	5.47E-05	2.79E-06	5.09E-06	2.32E-04	3.98E-06
HHR59	6.37E-08	2.27E-06	1.85E-05	1.47E-06	5.33E-05	2.92E-06	5.08E-06	2.14E-04	3.97E-06
HHR60	8.02E-08	2.77E-06	2.24E-05	1.65E-06	6.48E-05	3.28E-06	6.00E-06	2.42E-04	4.69E-06
HHR61	8.64E-08	5.23E-06	1.85E-05	4.10E-06	2.86E-04	8.25E-06	2.57E-05	1.40E-03	2.01E-05
HHR62	1.47E-07	7.50E-06	1.59E-05	6.49E-06	5.06E-04	1.28E-05	2.44E-05	4.91E-04	1.91E-05
HHR63	2.60E-07	5.62E-06	9.13E-06	4.83E-06	3.29E-04	9.39E-06	3.13E-05	1.77E-04	2.45E-05
HHR64	3.14E-08	7.68E-06	3.82E-06	4.61E-07	3.56E-04	1.86E-06	3.83E-05	2.31E-04	3.01E-05
HHR65	3.27E-07	6.39E-06	8.69E-06	2.95E-06	4.12E-04	5.98E-06	3.68E-05	1.64E-04	2.89E-05
HHR66	6.20E-08	1.61E-06	1.01E-05	1.42E-06	6.26E-05	2.85E-06	6.88E-06	2.20E-04	5.39E-06
HHR67	7.91E-08	1.91E-06	1.34E-05	2.06E-06	9.18E-05	4.03E-06	1.01E-05	2.15E-04	7.91E-06

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	1.00E-07	2.46E-06	9.79E-06	1.38E-06	1.50E-04	2.65E-06	1.35E-05	1.39E-04	1.06E-05
HHR69	2.62E-08	2.88E-06	3.62E-06	3.59E-07	1.31E-04	1.22E-06	1.38E-05	1.42E-04	1.08E-05
HHR70	2.68E-08	3.79E-06	3.57E-06	3.77E-07	1.57E-04	1.43E-06	1.66E-05	1.73E-04	1.30E-05
HHR71	3.10E-08	2.41E-05	3.82E-06	4.97E-07	7.03E-04	3.75E-06	7.48E-05	3.81E-04	5.87E-05
HHR72	4.28E-08	8.55E-07	7.94E-06	7.67E-07	4.08E-05	1.60E-06	4.24E-06	1.15E-04	3.32E-06
HHR73	9.15E-08	4.66E-06	9.10E-06	1.51E-06	2.10E-04	3.04E-06	2.26E-05	1.31E-04	1.77E-05
HHR74	3.11E-08	9.36E-06	3.49E-06	5.62E-07	6.61E-04	1.80E-06	7.14E-05	2.05E-04	5.61E-05
HHR75	7.11E-08	1.15E-05	4.89E-06	9.99E-07	5.17E-04	3.34E-06	6.73E-05	3.50E-04	5.28E-05
HHR76	7.77E-08	8.17E-06	5.84E-06	8.41E-07	5.29E-04	3.26E-06	5.89E-05	2.83E-04	4.61E-05
HHR77	4.25E-08	1.31E-05	5.19E-06	5.86E-07	4.51E-04	1.49E-06	5.45E-05	1.08E-04	4.27E-05
HHR78	3.40E-08	8.58E-06	3.87E-06	4.97E-07	3.80E-04	1.88E-06	4.10E-05	1.91E-04	3.22E-05
HHR79	3.21E-08	8.50E-06	4.02E-06	5.77E-07	6.03E-04	2.04E-06	6.49E-05	1.65E-04	5.09E-05
HHR80	4.72E-08	7.81E-06	4.32E-06	5.21E-07	3.09E-04	1.72E-06	3.75E-05	1.24E-04	2.94E-05
HHR81	3.85E-08	5.13E-06	3.76E-06	5.92E-07	3.26E-04	1.82E-06	3.53E-05	1.23E-04	2.77E-05
HHR82	3.34E-08	4.48E-06	4.07E-06	5.14E-07	2.66E-04	1.83E-06	2.87E-05	1.17E-04	2.25E-05
HHR83	3.52E-08	5.12E-06	3.84E-06	5.60E-07	3.22E-04	1.85E-06	3.47E-05	1.21E-04	2.72E-05
MPOI	1.47E-06	3.74E-04	1.22E-04	1.46E-05	7.31E-03	3.04E-05	4.24E-04	5.64E-03	3.32E-04

Table M2-7: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	9.63E-06	1.02E-05	1.52E-07	5.82E-03	5.06E-02	7.48E-06	7.77E-02	9.48E-05
HHR2	8.70E-06	1.72E-05	1.19E-07	1.62E-02	1.10E-01	6.25E-06	1.89E-01	7.87E-05
HHR3	1.74E-06	7.69E-06	1.09E-07	6.65E-04	2.12E-03	2.26E-06	3.44E-03	2.81E-05
HHR4	4.88E-06	7.81E-06	1.02E-07	2.89E-03	3.43E-02	4.68E-06	5.22E-02	6.06E-05
HHR5	2.75E-06	4.45E-05	2.64E-07	2.98E-03	7.79E-02	5.90E-06	1.29E-01	7.56E-05
HHR6	1.46E-06	7.15E-06	1.22E-07	1.15E-03	3.76E-03	2.49E-06	5.82E-03	2.66E-05
HHR7	6.64E-07	7.11E-06	5.35E-08	2.20E-04	1.45E-03	9.50E-07	2.06E-03	1.14E-05
HHR8	3.61E-06	7.26E-06	1.20E-07	2.64E-03	2.17E-02	3.86E-06	3.38E-02	5.09E-05
HHR9	4.59E-06	1.10E-05	9.80E-08	3.07E-03	2.74E-02	4.49E-06	4.20E-02	5.69E-05
HHR10	1.22E-06	2.29E-05	1.42E-07	9.70E-04	8.68E-03	1.65E-06	1.34E-02	2.06E-05
HHR11	1.01E-06	5.35E-06	4.56E-08	1.49E-03	5.75E-03	1.41E-06	8.24E-03	2.82E-05
HHR12	2.76E-06	6.68E-06	1.07E-07	2.89E-03	2.08E-02	3.33E-06	3.22E-02	5.29E-05
HHR13	1.10E-06	6.30E-06	4.49E-08	1.75E-03	6.83E-03	1.38E-06	9.44E-03	5.64E-05
HHR14	9.10E-06	9.08E-06	1.30E-07	8.91E-03	7.32E-02	8.67E-06	1.22E-01	1.10E-04
HHR15	1.97E-06	1.46E-05	9.66E-08	1.78E-04	1.27E-03	1.59E-06	1.94E-03	1.97E-05
HHR16	9.64E-07	3.31E-06	9.76E-08	1.16E-03	3.90E-03	1.07E-06	5.61E-03	1.79E-05
HHR17	7.24E-07	3.65E-06	3.81E-08	1.74E-03	2.50E-03	8.63E-07	2.45E-03	1.59E-05
HHR18	9.87E-07	3.64E-06	6.48E-08	2.41E-03	5.92E-03	1.40E-06	5.39E-03	3.69E-05
HHR19	9.34E-07	3.87E-06	7.61E-08	2.39E-03	7.01E-03	1.06E-06	5.90E-03	4.14E-05
HHR20	9.04E-07	3.92E-06	6.06E-08	2.38E-03	7.35E-03	1.22E-06	6.22E-03	3.93E-05
HHR21	1.10E-06	5.73E-06	4.53E-08	1.62E-03	6.36E-03	1.40E-06	8.95E-03	4.18E-05
HHR22	2.44E-06	8.63E-06	5.46E-08	2.45E-03	1.45E-02	3.07E-06	2.21E-02	4.00E-05
HHR23	3.48E-06	6.91E-06	1.00E-07	2.16E-03	2.47E-02	5.22E-06	3.84E-02	5.44E-05
HHR24	3.20E-06	6.85E-06	1.05E-07	2.38E-03	2.37E-02	4.36E-06	3.67E-02	5.09E-05
HHR25	2.22E-06	9.98E-06	6.17E-08	1.62E-03	9.18E-03	1.96E-06	1.48E-02	2.51E-05
HHR26	2.36E-06	1.29E-05	8.66E-08	7.04E-04	3.27E-03	3.27E-06	5.46E-03	4.13E-05
HHR27	1.90E-06	1.05E-05	7.50E-08	4.96E-04	3.69E-03	2.78E-06	5.99E-03	3.40E-05
HHR28	7.25E-07	5.83E-06	4.42E-08	4.50E-04	3.52E-03	1.13E-06	5.49E-03	1.27E-05
HHR29	1.33E-06	6.11E-06	3.89E-07	2.17E-03	1.21E-02	1.68E-06	1.60E-02	6.19E-05
HHR30	2.59E-06	2.21E-05	1.36E-07	2.16E-03	2.14E-02	3.46E-06	3.36E-02	4.46E-05
HHR31	1.60E-06	1.19E-05	2.91E-07	4.76E-03	4.82E-02	2.03E-06	4.04E-02	1.29E-04
HHR32	1.58E-06	8.51E-06	2.40E-07	2.36E-03	1.83E-02	1.88E-06	1.99E-02	8.96E-05
HHR33	2.40E-06	1.14E-05	1.48E-07	4.95E-03	1.75E-02	2.07E-06	2.38E-02	1.23E-04

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	9.43E-07	2.96E-06	1.12E-07	1.13E-03	3.85E-03	9.73E-07	5.52E-03	1.73E-05
HHR35	1.46E-06	8.11E-06	2.52E-07	2.83E-03	1.30E-02	1.47E-06	1.57E-02	7.91E-05
HHR36	2.66E-06	7.17E-06	1.20E-07	5.58E-03	1.83E-02	2.52E-06	2.80E-02	6.91E-05
HHR37	2.28E-06	3.51E-05	2.12E-07	2.67E-03	5.44E-02	8.91E-06	8.86E-02	1.14E-04
HHR38	1.29E-06	5.73E-06	3.30E-07	1.33E-02	1.05E-02	1.35E-06	1.42E-02	4.41E-05
HHR39	8.18E-07	3.85E-06	4.71E-08	2.04E-03	2.87E-03	9.84E-07	2.79E-03	1.93E-05
HHR40	7.50E-07	3.65E-06	3.91E-08	1.71E-03	2.54E-03	9.01E-07	2.53E-03	1.62E-05
HHR41	6.78E-07	3.66E-06	4.82E-08	2.48E-03	3.13E-03	8.20E-07	2.91E-03	2.04E-05
HHR42	1.03E-06	3.59E-06	9.42E-08	1.27E-03	4.11E-03	1.14E-06	5.92E-03	1.87E-05
HHR43	5.17E-06	8.60E-06	1.07E-07	2.94E-03	3.53E-02	4.50E-06	5.36E-02	5.88E-05
HHR44	4.18E-06	7.89E-06	8.93E-08	2.29E-03	2.85E-02	4.24E-06	4.34E-02	6.08E-05
HHR45	8.09E-07	6.27E-06	5.31E-08	3.64E-04	2.81E-03	1.02E-06	4.25E-03	1.13E-05
HHR46	1.64E-06	3.23E-05	1.90E-07	6.19E-04	7.77E-03	1.95E-06	1.26E-02	2.30E-05
HHR47	1.32E-06	2.59E-05	1.56E-07	7.10E-04	9.12E-03	1.65E-06	1.47E-02	2.05E-05
HHR48	7.63E-07	3.62E-06	3.74E-08	1.55E-03	2.43E-03	9.06E-07	2.56E-03	1.54E-05
HHR49	2.11E-06	2.87E-05	1.69E-07	5.50E-04	7.40E-03	1.90E-06	1.12E-02	2.14E-05
HHR50	1.23E-06	2.89E-05	1.75E-07	7.48E-04	9.87E-03	1.73E-06	1.55E-02	2.27E-05
HHR51	1.92E-06	2.58E-05	1.56E-07	4.66E-04	6.47E-03	2.16E-06	9.69E-03	2.69E-05
HHR52	9.13E-07	2.20E-05	1.34E-07	9.47E-04	1.04E-02	2.02E-06	1.57E-02	2.70E-05
HHR53	1.73E-06	3.78E-05	2.22E-07	7.37E-04	1.23E-02	2.08E-06	1.96E-02	2.48E-05
HHR54	1.04E-06	2.67E-05	1.61E-07	1.02E-03	1.18E-02	3.03E-06	1.74E-02	3.97E-05
HHR55	1.26E-06	2.35E-05	1.47E-07	7.75E-04	9.67E-03	1.58E-06	1.37E-02	2.10E-05
HHR56	1.88E-06	5.10E-05	3.02E-07	1.35E-03	1.68E-02	2.79E-06	2.78E-02	3.50E-05
HHR57	2.00E-06	5.01E-05	2.96E-07	1.64E-03	3.01E-02	5.17E-06	5.05E-02	6.57E-05
HHR58	2.33E-06	2.22E-05	1.35E-07	3.84E-04	5.48E-03	2.91E-06	8.58E-03	3.65E-05
HHR59	1.97E-06	1.96E-05	1.19E-07	3.82E-04	5.88E-03	3.12E-06	9.27E-03	3.93E-05
HHR60	2.97E-06	2.39E-05	1.43E-07	4.38E-04	8.13E-03	3.50E-06	1.29E-02	4.41E-05
HHR61	2.83E-06	1.97E-05	1.22E-07	2.75E-03	1.35E-01	8.74E-06	2.28E-01	1.09E-04
HHR62	4.65E-06	1.72E-05	1.02E-07	3.56E-03	2.50E-01	1.38E-05	4.34E-01	1.73E-04
HHR63	7.95E-06	9.81E-06	1.27E-07	6.13E-03	8.08E-02	1.01E-05	1.36E-01	1.29E-04
HHR64	8.37E-07	4.04E-06	1.06E-07	2.76E-03	4.01E-03	1.03E-06	3.99E-03	3.62E-05
HHR65	7.34E-06	9.34E-06	1.39E-07	5.09E-03	5.55E-02	6.25E-06	8.56E-02	7.99E-05
HHR66	2.03E-06	1.08E-05	7.89E-08	5.19E-04	3.61E-03	3.01E-06	5.87E-03	3.78E-05
HHR67	2.84E-06	1.41E-05	1.01E-07	6.92E-04	4.46E-03	4.34E-06	7.20E-03	5.48E-05

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	2.67E-06	1.04E-05	6.43E-08	1.27E-03	6.87E-03	2.88E-06	1.10E-02	3.66E-05
HHR69	6.80E-07	3.79E-06	3.54E-08	1.14E-03	2.08E-03	8.88E-07	2.47E-03	1.20E-05
HHR70	7.90E-07	3.74E-06	4.02E-08	1.59E-03	2.50E-03	9.07E-07	2.66E-03	1.62E-05
HHR71	9.47E-07	5.69E-06	3.56E-07	5.94E-03	9.41E-03	1.65E-06	7.03E-03	1.16E-04
HHR72	1.34E-06	8.37E-06	6.04E-08	2.67E-04	2.46E-03	1.65E-06	3.98E-03	2.05E-05
HHR73	2.34E-06	9.68E-06	5.80E-08	1.66E-03	1.51E-02	3.20E-06	2.33E-02	4.14E-05
HHR74	9.44E-07	3.80E-06	6.07E-08	2.42E-03	6.01E-03	1.32E-06	5.28E-03	3.68E-05
HHR75	2.73E-06	5.24E-06	9.15E-08	2.48E-03	1.61E-02	2.16E-06	2.49E-02	4.23E-05
HHR76	1.98E-06	6.24E-06	1.22E-07	1.06E-02	1.07E-02	1.99E-06	1.58E-02	3.00E-05
HHR77	1.22E-06	5.78E-06	4.40E-08	1.62E-03	6.30E-03	1.31E-06	9.12E-03	4.73E-05
HHR78	8.51E-07	4.11E-06	1.11E-07	2.59E-03	4.63E-03	1.07E-06	4.46E-03	3.88E-05
HHR79	9.26E-07	4.27E-06	5.32E-08	2.23E-03	6.05E-03	1.32E-06	6.04E-03	3.25E-05
HHR80	1.13E-06	4.61E-06	1.21E-07	3.50E-03	6.10E-03	1.18E-06	9.22E-03	2.84E-05
HHR81	1.30E-06	3.98E-06	7.38E-08	1.43E-03	4.84E-03	1.51E-06	7.01E-03	2.04E-05
HHR82	1.32E-06	4.33E-06	8.14E-08	1.39E-03	4.98E-03	1.40E-06	7.21E-03	1.78E-05
HHR83	1.27E-06	4.07E-06	7.87E-08	1.56E-03	4.66E-03	1.49E-06	6.74E-03	2.05E-05
MPOI	3.05E-05	1.29E-04	1.36E-05	1.80E-01	1.45E+00	3.07E-05	2.53E+00	1.24E-03

Table M2-8: Project Alone Acute Air Concentrations for 1-hour Project

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR1	4.35E-07	3.95E-10	3.44E-09	1.23E-05	5.67E-06	1.06E-03	3.57E-05	8.58E-07	4.58E-10
HHR2	6.97E-07	5.82E-10	5.07E-09	1.32E-05	7.71E-06	1.53E-03	5.45E-05	1.26E-06	6.75E-10
HHR3	1.09E-06	6.47E-10	5.63E-09	2.06E-05	1.01E-05	1.17E-03	4.29E-05	1.45E-06	7.49E-10
HHR4	6.33E-07	5.41E-10	4.71E-09	1.40E-05	7.41E-06	1.45E-03	4.95E-05	1.18E-06	6.27E-10
HHR5	8.41E-07	6.92E-10	6.02E-09	2.19E-05	1.03E-05	1.58E-03	5.55E-05	1.53E-06	8.01E-10
HHR6	1.40E-06	1.73E-09	1.50E-08	2.92E-05	2.28E-05	2.86E-03	1.04E-04	3.74E-06	2.00E-09
HHR7	1.31E-07	2.39E-10	2.08E-09	1.14E-05	4.34E-06	4.44E-04	1.71E-05	5.74E-07	2.77E-10
HHR8	3.53E-07	3.27E-10	2.85E-09	1.04E-05	5.01E-06	8.01E-04	2.70E-05	7.40E-07	3.79E-10
HHR9	4.06E-07	4.51E-10	3.93E-09	1.12E-05	6.26E-06	1.08E-03	3.73E-05	9.89E-07	5.22E-10
HHR10	9.66E-07	6.90E-10	6.01E-09	1.90E-05	9.78E-06	1.90E-03	6.30E-05	1.52E-06	7.99E-10
HHR11	2.24E-07	3.54E-10	3.08E-09	1.36E-05	6.21E-06	7.22E-04	2.75E-05	8.51E-07	4.10E-10
HHR12	4.63E-07	4.52E-10	3.93E-09	1.20E-05	6.74E-06	9.47E-04	3.20E-05	1.02E-06	5.23E-10
HHR13	2.34E-07	3.68E-10	3.21E-09	1.35E-05	6.22E-06	7.47E-04	2.84E-05	8.61E-07	4.26E-10
HHR14	3.30E-07	4.42E-10	3.85E-09	1.34E-05	6.49E-06	8.04E-04	3.01E-05	9.88E-07	5.12E-10
HHR15	4.48E-07	5.18E-10	4.51E-09	1.88E-05	8.31E-06	8.85E-04	3.38E-05	1.20E-06	6.00E-10
HHR16	2.18E-07	2.80E-10	2.44E-09	9.15E-06	4.56E-06	5.63E-04	2.10E-05	6.53E-07	3.24E-10
HHR17	1.17E-07	3.11E-10	2.70E-09	1.09E-05	5.14E-06	5.56E-04	2.16E-05	7.29E-07	3.60E-10
HHR18	1.92E-07	3.49E-10	3.04E-09	1.09E-05	5.59E-06	6.56E-04	2.49E-05	8.09E-07	4.04E-10
HHR19	2.48E-07	3.14E-10	2.73E-09	1.43E-05	5.69E-06	6.46E-04	2.40E-05	7.50E-07	3.64E-10
HHR20	2.18E-07	3.56E-10	3.10E-09	1.28E-05	6.06E-06	6.73E-04	2.56E-05	8.43E-07	4.13E-10
HHR21	2.32E-07	3.65E-10	3.18E-09	1.35E-05	6.23E-06	7.42E-04	2.82E-05	8.63E-07	4.23E-10
HHR22	5.30E-07	6.38E-10	5.55E-09	2.51E-05	1.08E-05	1.17E-03	4.43E-05	1.48E-06	7.38E-10
HHR23	7.69E-07	4.86E-10	4.23E-09	1.33E-05	6.91E-06	1.16E-03	3.81E-05	1.08E-06	5.63E-10
HHR24	5.79E-07	4.96E-10	4.31E-09	1.29E-05	7.32E-06	1.04E-03	3.55E-05	1.12E-06	5.74E-10
HHR25	4.44E-07	4.82E-10	4.20E-09	2.18E-05	8.10E-06	9.42E-04	3.51E-05	1.07E-06	5.58E-10
HHR26	4.17E-07	4.14E-10	3.60E-09	1.95E-05	7.35E-06	9.25E-04	3.39E-05	9.70E-07	4.79E-10
HHR27	5.64E-07	5.34E-10	4.65E-09	1.27E-05	7.07E-06	8.77E-04	3.28E-05	1.16E-06	6.19E-10
HHR28	2.63E-07	4.49E-10	3.91E-09	1.50E-05	7.47E-06	8.66E-04	3.29E-05	1.06E-06	5.20E-10
HHR29	9.25E-08	1.21E-10	1.05E-09	5.57E-06	1.93E-06	2.34E-04	8.29E-06	2.65E-07	1.40E-10
HHR30	9.68E-07	8.41E-10	7.32E-09	1.42E-05	1.11E-05	2.21E-03	7.77E-05	1.82E-06	9.74E-10
HHR31	8.20E-08	8.72E-11	7.59E-10	5.60E-06	1.84E-06	1.80E-04	6.67E-06	2.22E-07	1.01E-10
HHR32	1.52E-07	1.85E-10	1.61E-09	6.28E-06	2.75E-06	3.84E-04	1.35E-05	4.06E-07	2.14E-10
HHR33	2.89E-07	3.13E-10	2.72E-09	9.07E-06	4.19E-06	7.35E-04	2.54E-05	6.81E-07	3.63E-10

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR34	2.11E-07	2.64E-10	2.30E-09	8.72E-06	4.22E-06	5.48E-04	2.01E-05	6.09E-07	3.06E-10
HHR35	2.48E-07	2.86E-10	2.49E-09	8.21E-06	3.83E-06	6.10E-04	2.10E-05	6.22E-07	3.31E-10
HHR36	4.25E-07	3.96E-10	3.45E-09	1.11E-05	6.17E-06	9.40E-04	3.11E-05	9.09E-07	4.59E-10
HHR37	8.30E-07	6.30E-10	5.49E-09	1.62E-05	8.59E-06	1.74E-03	6.16E-05	1.38E-06	7.30E-10
HHR38	2.23E-07	2.76E-10	2.40E-09	7.52E-06	3.77E-06	5.77E-04	2.00E-05	6.05E-07	3.20E-10
HHR39	1.46E-07	3.34E-10	2.91E-09	1.14E-05	5.45E-06	5.87E-04	2.28E-05	7.73E-07	3.87E-10
HHR40	1.30E-07	3.15E-10	2.74E-09	1.10E-05	5.27E-06	5.62E-04	2.19E-05	7.38E-07	3.65E-10
HHR41	1.25E-07	3.25E-10	2.83E-09	1.14E-05	5.36E-06	5.88E-04	2.28E-05	7.63E-07	3.77E-10
HHR42	2.18E-07	2.85E-10	2.48E-09	9.43E-06	4.69E-06	5.70E-04	2.13E-05	6.66E-07	3.31E-10
HHR43	5.77E-07	4.86E-10	4.23E-09	1.38E-05	6.99E-06	1.30E-03	4.41E-05	1.08E-06	5.63E-10
HHR44	6.14E-07	5.41E-10	4.71E-09	1.44E-05	7.29E-06	1.37E-03	4.64E-05	1.17E-06	6.26E-10
HHR45	3.07E-07	3.13E-10	2.73E-09	1.01E-05	5.09E-06	6.44E-04	2.36E-05	7.31E-07	3.63E-10
HHR46	9.04E-07	7.95E-10	6.92E-09	2.16E-05	1.10E-05	1.56E-03	5.49E-05	1.75E-06	9.21E-10
HHR47	1.14E-06	8.99E-10	7.82E-09	3.63E-05	1.36E-05	2.06E-03	7.02E-05	2.00E-06	1.04E-09
HHR48	1.37E-07	3.14E-10	2.73E-09	1.07E-05	5.19E-06	5.54E-04	2.15E-05	7.33E-07	3.63E-10
HHR49	1.54E-06	1.14E-09	9.90E-09	3.74E-05	1.53E-05	2.24E-03	7.97E-05	2.47E-06	1.32E-09
HHR50	2.07E-06	1.85E-09	1.61E-08	5.01E-05	2.59E-05	3.94E-03	1.37E-04	4.05E-06	2.14E-09
HHR51	3.54E-06	3.32E-09	2.89E-08	4.34E-05	4.40E-05	6.22E-03	2.29E-04	7.20E-06	3.85E-09
HHR52	1.07E-06	9.31E-10	8.10E-09	2.52E-05	1.26E-05	1.93E-03	6.92E-05	2.03E-06	1.08E-09
HHR53	1.05E-06	9.71E-10	8.45E-09	3.28E-05	1.38E-05	2.08E-03	7.05E-05	2.13E-06	1.12E-09
HHR54	1.19E-06	9.78E-10	8.51E-09	2.56E-05	1.31E-05	2.32E-03	8.08E-05	2.13E-06	1.13E-09
HHR55	1.23E-06	1.48E-09	1.29E-08	5.63E-05	2.31E-05	2.65E-03	9.75E-05	3.29E-06	1.72E-09
HHR56	8.43E-07	6.82E-10	5.94E-09	2.17E-05	9.52E-06	1.32E-03	4.80E-05	1.50E-06	7.90E-10
HHR57	9.51E-07	8.50E-10	7.40E-09	3.18E-05	1.26E-05	1.98E-03	6.92E-05	1.90E-06	9.84E-10
HHR58	2.00E-06	1.23E-09	1.07E-08	4.57E-05	1.75E-05	2.14E-03	8.16E-05	2.69E-06	1.42E-09
HHR59	1.63E-06	1.17E-09	1.02E-08	3.83E-05	1.74E-05	1.99E-03	7.60E-05	2.63E-06	1.35E-09
HHR60	1.25E-06	8.18E-10	7.12E-09	3.78E-05	1.19E-05	1.55E-03	5.82E-05	1.80E-06	9.48E-10
HHR61	8.27E-07	6.29E-10	5.47E-09	2.25E-05	8.92E-06	1.41E-03	4.75E-05	1.37E-06	7.28E-10
HHR62	7.43E-07	5.36E-10	4.66E-09	2.16E-05	9.19E-06	1.16E-03	4.11E-05	1.27E-06	6.21E-10
HHR63	3.38E-07	3.46E-10	3.01E-09	1.26E-05	5.85E-06	6.32E-04	2.40E-05	8.18E-07	4.00E-10
HHR64	2.55E-07	2.96E-10	2.58E-09	1.16E-05	5.20E-06	6.44E-04	2.30E-05	7.12E-07	3.43E-10
HHR65	3.53E-07	4.47E-10	3.89E-09	1.43E-05	7.32E-06	8.12E-04	3.04E-05	1.04E-06	5.18E-10
HHR66	4.54E-07	5.55E-10	4.83E-09	1.80E-05	8.05E-06	9.85E-04	3.75E-05	1.24E-06	6.43E-10
HHR67	5.80E-07	5.17E-10	4.50E-09	2.31E-05	8.53E-06	1.17E-03	4.32E-05	1.16E-06	5.99E-10

Receptor Location	1,3-butadiene	Acenaphthene	Acenaphthylene	Acetaldehyde	Acrolein	Aliphatic C_5-C_8	Aliphatic C_9-C_{16}	Aluminum (Al)	Anthracene
HHR68	3.32E-07	3.92E-10	3.41E-09	1.69E-05	6.70E-06	7.75E-04	2.79E-05	9.24E-07	4.54E-10
HHR69	1.35E-07	2.90E-10	2.52E-09	9.72E-06	4.78E-06	5.05E-04	1.97E-05	6.77E-07	3.36E-10
HHR70	1.50E-07	3.26E-10	2.84E-09	1.08E-05	5.20E-06	5.64E-04	2.19E-05	7.55E-07	3.78E-10
HHR71	2.03E-07	3.39E-10	2.96E-09	1.21E-05	5.62E-06	6.58E-04	2.47E-05	7.84E-07	3.93E-10
HHR72	4.04E-07	4.44E-10	3.86E-09	1.62E-05	6.90E-06	7.05E-04	2.76E-05	1.01E-06	5.14E-10
HHR73	5.77E-07	6.47E-10	5.63E-09	2.32E-05	1.11E-05	1.21E-03	4.35E-05	1.53E-06	7.49E-10
HHR74	1.93E-07	3.49E-10	3.04E-09	1.13E-05	5.69E-06	6.72E-04	2.55E-05	8.15E-07	4.04E-10
HHR75	5.12E-07	4.61E-10	4.01E-09	1.41E-05	6.69E-06	1.02E-03	3.48E-05	1.02E-06	5.34E-10
HHR76	1.12E-06	1.05E-09	9.16E-09	2.78E-05	1.45E-05	2.45E-03	8.39E-05	2.31E-06	1.22E-09
HHR77	2.78E-07	4.10E-10	3.57E-09	1.42E-05	6.69E-06	8.21E-04	3.07E-05	9.51E-07	4.74E-10
HHR78	2.86E-07	3.08E-10	2.68E-09	1.32E-05	5.47E-06	6.62E-04	2.38E-05	7.35E-07	3.56E-10
HHR79	2.05E-07	3.56E-10	3.10E-09	1.27E-05	6.09E-06	6.92E-04	2.64E-05	8.46E-07	4.12E-10
HHR80	2.40E-07	2.69E-10	2.34E-09	1.07E-05	4.04E-06	6.01E-04	2.12E-05	6.09E-07	3.12E-10
HHR81	2.31E-07	3.81E-10	3.32E-09	1.09E-05	5.91E-06	6.96E-04	2.66E-05	8.73E-07	4.41E-10
HHR82	2.43E-07	3.68E-10	3.20E-09	1.08E-05	5.63E-06	6.90E-04	2.59E-05	8.38E-07	4.26E-10
HHR83	2.26E-07	3.59E-10	3.13E-09	1.04E-05	5.51E-06	6.58E-04	2.49E-05	8.19E-07	4.16E-10
MPOI	1.08E-04	3.33E-08	2.90E-07	7.03E-04	4.41E-04	9.65E-02	3.71E-03	7.22E-05	3.86E-08

Table M2-8: *(cont'd)*

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR1	5.31E-10	1.61E-07	2.86E-08	7.49E-08	1.89E-09	4.68E-06	8.48E-06	1.11E-09
HHR2	7.54E-10	1.83E-07	4.21E-08	1.10E-07	2.10E-09	6.87E-06	8.90E-06	1.26E-09
HHR3	9.40E-10	2.49E-07	4.99E-08	1.31E-07	3.16E-09	8.15E-06	1.42E-05	1.86E-09
HHR4	7.13E-10	2.11E-07	3.93E-08	1.03E-07	2.23E-09	6.43E-06	9.46E-06	1.34E-09
HHR5	9.58E-10	2.66E-07	5.15E-08	1.35E-07	3.38E-09	8.41E-06	1.51E-05	2.00E-09
HHR6	2.23E-09	4.23E-07	1.25E-07	3.26E-07	4.49E-09	2.04E-05	2.01E-05	2.67E-09
HHR7	3.91E-10	3.62E-08	2.01E-08	5.26E-08	1.78E-09	3.28E-06	7.76E-06	1.06E-09
HHR8	4.67E-10	1.28E-07	2.51E-08	6.58E-08	1.62E-09	4.11E-06	7.12E-06	9.61E-10
HHR9	6.03E-10	1.47E-07	3.32E-08	8.70E-08	1.75E-09	5.43E-06	7.58E-06	1.04E-09
HHR10	9.37E-10	3.28E-07	5.13E-08	1.34E-07	2.96E-09	8.39E-06	1.29E-05	1.76E-09
HHR11	5.66E-10	6.52E-08	2.95E-08	7.73E-08	2.07E-09	4.83E-06	9.49E-06	1.22E-09
HHR12	6.38E-10	1.71E-07	3.46E-08	9.06E-08	1.88E-09	5.65E-06	8.21E-06	1.12E-09
HHR13	5.68E-10	7.04E-08	2.98E-08	7.80E-08	2.07E-09	4.87E-06	9.45E-06	1.21E-09
HHR14	6.16E-10	9.59E-08	3.34E-08	8.75E-08	2.05E-09	5.46E-06	9.20E-06	1.20E-09
HHR15	7.72E-10	9.22E-08	4.11E-08	1.08E-07	2.92E-09	6.72E-06	1.27E-05	1.73E-09
HHR16	4.23E-10	6.13E-08	2.24E-08	5.87E-08	1.41E-09	3.67E-06	6.32E-06	8.27E-10
HHR17	4.74E-10	3.28E-08	2.51E-08	6.57E-08	1.67E-09	4.10E-06	7.52E-06	9.83E-10
HHR18	5.20E-10	5.46E-08	2.77E-08	7.26E-08	1.65E-09	4.53E-06	7.64E-06	9.67E-10
HHR19	5.10E-10	8.19E-08	2.62E-08	6.87E-08	2.23E-09	4.28E-06	9.86E-06	1.32E-09
HHR20	5.56E-10	6.84E-08	2.92E-08	7.63E-08	1.97E-09	4.76E-06	8.93E-06	1.16E-09
HHR21	5.69E-10	6.81E-08	2.99E-08	7.82E-08	2.07E-09	4.88E-06	9.47E-06	1.22E-09
HHR22	9.79E-10	1.94E-07	5.11E-08	1.34E-07	3.87E-09	8.35E-06	1.73E-05	2.28E-09
HHR23	6.63E-10	2.40E-07	3.64E-08	9.52E-08	2.10E-09	5.94E-06	8.99E-06	1.26E-09
HHR24	6.95E-10	1.99E-07	3.78E-08	9.89E-08	2.03E-09	6.17E-06	8.87E-06	1.21E-09
HHR25	7.21E-10	1.36E-07	3.69E-08	9.66E-08	3.41E-09	6.03E-06	1.49E-05	2.03E-09
HHR26	6.54E-10	8.64E-08	3.38E-08	8.85E-08	3.04E-09	5.52E-06	1.33E-05	1.80E-09
HHR27	6.91E-10	1.45E-07	3.86E-08	1.01E-07	1.95E-09	6.30E-06	8.79E-06	1.15E-09
HHR28	6.89E-10	7.92E-08	3.64E-08	9.53E-08	2.27E-09	5.95E-06	1.05E-05	1.32E-09
HHR29	1.76E-10	3.13E-08	9.20E-09	2.41E-08	8.78E-10	1.50E-06	3.77E-06	5.24E-10
HHR30	1.09E-09	2.78E-07	6.07E-08	1.59E-07	2.21E-09	9.92E-06	9.78E-06	1.31E-09
HHR31	1.60E-10	2.59E-08	7.94E-09	2.08E-08	8.86E-10	1.30E-06	3.79E-06	5.31E-10
HHR32	2.57E-10	5.30E-08	1.37E-08	3.59E-08	9.88E-10	2.24E-06	4.28E-06	5.90E-10
HHR33	4.08E-10	1.01E-07	2.27E-08	5.95E-08	1.44E-09	3.71E-06	6.13E-06	8.69E-10

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR34	3.92E-10	5.89E-08	2.09E-08	5.46E-08	1.37E-09	3.41E-06	5.95E-06	8.13E-10
HHR35	3.73E-10	8.78E-08	2.08E-08	5.43E-08	1.30E-09	3.39E-06	5.55E-06	7.83E-10
HHR36	5.78E-10	1.60E-07	3.10E-08	8.12E-08	1.69E-09	5.07E-06	7.69E-06	9.93E-10
HHR37	8.32E-10	2.24E-07	4.61E-08	1.21E-07	2.55E-09	7.53E-06	1.11E-05	1.52E-09
HHR38	3.65E-10	7.75E-08	2.02E-08	5.30E-08	1.20E-09	3.31E-06	5.08E-06	7.26E-10
HHR39	5.03E-10	4.12E-08	2.66E-08	6.95E-08	1.74E-09	4.34E-06	7.89E-06	1.02E-09
HHR40	4.84E-10	3.54E-08	2.55E-08	6.67E-08	1.68E-09	4.16E-06	7.57E-06	9.88E-10
HHR41	4.96E-10	3.57E-08	2.63E-08	6.87E-08	1.76E-09	4.29E-06	7.88E-06	1.03E-09
HHR42	4.33E-10	6.24E-08	2.29E-08	6.00E-08	1.45E-09	3.74E-06	6.53E-06	8.50E-10
HHR43	6.66E-10	2.01E-07	3.63E-08	9.49E-08	2.16E-09	5.92E-06	9.37E-06	1.28E-09
HHR44	7.07E-10	2.10E-07	3.92E-08	1.03E-07	2.22E-09	6.41E-06	9.83E-06	1.31E-09
HHR45	4.72E-10	1.03E-07	2.51E-08	6.57E-08	1.55E-09	4.10E-06	7.00E-06	9.05E-10
HHR46	1.06E-09	3.15E-07	5.87E-08	1.54E-07	3.36E-09	9.59E-06	1.49E-05	1.99E-09
HHR47	1.25E-09	4.30E-07	6.77E-08	1.77E-07	5.67E-09	1.11E-05	2.48E-05	3.37E-09
HHR48	4.78E-10	3.72E-08	2.53E-08	6.61E-08	1.64E-09	4.13E-06	7.39E-06	9.62E-10
HHR49	1.48E-09	5.35E-07	8.26E-08	2.16E-07	5.81E-09	1.35E-05	2.56E-05	3.45E-09
HHR50	2.47E-09	8.19E-07	1.36E-07	3.55E-07	7.69E-09	2.21E-05	3.46E-05	4.52E-09
HHR51	4.30E-09	1.21E-06	2.40E-07	6.29E-07	6.89E-09	3.92E-05	3.07E-05	4.20E-09
HHR52	1.23E-09	3.54E-07	6.81E-08	1.78E-07	3.90E-09	1.11E-05	1.74E-05	2.30E-09
HHR53	1.29E-09	3.92E-07	7.12E-08	1.86E-07	5.13E-09	1.16E-05	2.25E-05	3.05E-09
HHR54	1.27E-09	4.00E-07	7.09E-08	1.86E-07	3.99E-09	1.16E-05	1.75E-05	2.37E-09
HHR55	2.08E-09	4.91E-07	1.11E-07	2.91E-07	8.73E-09	1.82E-05	3.88E-05	5.16E-09
HHR56	9.16E-10	2.01E-07	5.04E-08	1.32E-07	3.38E-09	8.24E-06	1.48E-05	2.05E-09
HHR57	1.19E-09	3.14E-07	6.43E-08	1.68E-07	4.96E-09	1.05E-05	2.18E-05	2.94E-09
HHR58	1.66E-09	3.39E-07	9.08E-08	2.38E-07	7.43E-09	1.48E-05	3.07E-05	4.53E-09
HHR59	1.64E-09	3.04E-07	8.91E-08	2.33E-07	6.23E-09	1.46E-05	2.57E-05	3.80E-09
HHR60	1.10E-09	2.55E-07	6.04E-08	1.58E-07	6.19E-09	9.86E-06	2.54E-05	3.79E-09
HHR61	8.32E-10	2.43E-07	4.60E-08	1.20E-07	3.52E-09	7.52E-06	1.54E-05	2.10E-09
HHR62	8.40E-10	2.06E-07	4.40E-08	1.15E-07	3.43E-09	7.19E-06	1.47E-05	2.07E-09
HHR63	5.38E-10	1.03E-07	2.83E-08	7.40E-08	1.95E-09	4.62E-06	8.72E-06	1.15E-09
HHR64	4.74E-10	7.58E-08	2.47E-08	6.47E-08	1.80E-09	4.04E-06	8.00E-06	1.06E-09
HHR65	6.78E-10	1.10E-07	3.59E-08	9.40E-08	2.22E-09	5.87E-06	9.85E-06	1.31E-09
HHR66	7.64E-10	1.08E-07	4.18E-08	1.09E-07	2.87E-09	6.83E-06	1.22E-05	1.73E-09
HHR67	7.70E-10	1.22E-07	3.97E-08	1.04E-07	3.65E-09	6.49E-06	1.57E-05	2.19E-09

Receptor Location	Aromatic C_{17}-C_{34}	Aromatic C_9-C_{16}	Arsenic (As)	Barium (Ba)	Benz(a)anthracene	Benzaldehyde	Benzene	Benzo(a)pyrene
HHR68	6.12E-10	1.07E-07	3.20E-08	8.39E-08	2.66E-09	5.23E-06	1.16E-05	1.59E-09
HHR69	4.40E-10	3.59E-08	2.33E-08	6.10E-08	1.49E-09	3.81E-06	6.70E-06	8.77E-10
HHR70	4.85E-10	4.21E-08	2.59E-08	6.77E-08	1.64E-09	4.22E-06	7.43E-06	9.57E-10
HHR71	5.16E-10	6.08E-08	2.71E-08	7.09E-08	1.86E-09	4.43E-06	8.42E-06	1.09E-09
HHR72	6.41E-10	8.02E-08	3.44E-08	9.02E-08	2.54E-09	5.63E-06	1.09E-05	1.53E-09
HHR73	1.01E-09	2.11E-07	5.31E-08	1.39E-07	3.53E-09	8.68E-06	1.60E-05	2.06E-09
HHR74	5.27E-10	5.53E-08	2.80E-08	7.33E-08	1.71E-09	4.57E-06	7.91E-06	9.99E-10
HHR75	6.35E-10	1.67E-07	3.45E-08	9.04E-08	2.20E-09	5.64E-06	9.65E-06	1.31E-09
HHR76	1.40E-09	3.91E-07	7.73E-08	2.02E-07	4.32E-09	1.26E-05	1.91E-05	2.56E-09
HHR77	6.14E-10	9.15E-08	3.26E-08	8.55E-08	2.20E-09	5.33E-06	9.86E-06	1.30E-09
HHR78	4.95E-10	8.41E-08	2.56E-08	6.71E-08	2.05E-09	4.19E-06	9.09E-06	1.21E-09
HHR79	5.58E-10	6.16E-08	2.93E-08	7.66E-08	1.94E-09	4.78E-06	8.89E-06	1.14E-09
HHR80	3.82E-10	8.30E-08	2.07E-08	5.41E-08	1.72E-09	3.38E-06	7.23E-06	1.04E-09
HHR81	5.54E-10	6.90E-08	2.98E-08	7.79E-08	1.66E-09	4.86E-06	7.70E-06	9.70E-10
HHR82	5.29E-10	7.36E-08	2.85E-08	7.47E-08	1.67E-09	4.66E-06	7.58E-06	9.90E-10
HHR83	5.18E-10	6.61E-08	2.79E-08	7.30E-08	1.61E-09	4.56E-06	7.30E-06	9.45E-10
MPOI	4.31E-08	4.04E-05	2.41E-06	6.30E-06	1.11E-07	3.93E-04	4.72E-04	6.69E-08

Table M2-8: *(cont'd)*

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR1	9.84E-10	1.16E-09	9.29E-10	9.47E-09	3.52E-06	1.88E-08	1.92E-09
HHR2	1.07E-09	1.28E-09	1.03E-09	1.39E-08	5.63E-06	1.95E-08	2.25E-09
HHR3	1.64E-09	1.94E-09	1.55E-09	1.65E-08	8.79E-06	3.13E-08	3.26E-09
HHR4	1.14E-09	1.36E-09	1.09E-09	1.30E-08	5.11E-06	2.09E-08	2.37E-09
HHR5	1.75E-09	2.07E-09	1.66E-09	1.70E-08	6.79E-06	3.31E-08	3.48E-09
HHR6	2.33E-09	2.75E-09	2.20E-09	4.12E-08	1.13E-05	4.44E-08	4.68E-09
HHR7	9.18E-10	1.09E-09	8.74E-10	6.65E-09	1.06E-06	1.71E-08	1.86E-09
HHR8	8.33E-10	9.90E-10	7.93E-10	8.32E-09	2.85E-06	1.56E-08	1.68E-09
HHR9	9.00E-10	1.07E-09	8.58E-10	1.10E-08	3.28E-06	1.67E-08	1.84E-09
HHR10	1.52E-09	1.81E-09	1.45E-09	1.70E-08	7.80E-06	2.85E-08	3.07E-09
HHR11	1.08E-09	1.27E-09	1.02E-09	9.77E-09	1.81E-06	2.06E-08	2.10E-09
HHR12	9.65E-10	1.15E-09	9.20E-10	1.14E-08	3.74E-06	1.80E-08	1.97E-09
HHR13	1.08E-09	1.27E-09	1.02E-09	9.86E-09	1.89E-06	2.05E-08	2.10E-09
HHR14	1.06E-09	1.26E-09	1.01E-09	1.11E-08	2.66E-06	2.03E-08	2.08E-09
HHR15	1.51E-09	1.79E-09	1.43E-09	1.36E-08	3.62E-06	2.82E-08	3.04E-09
HHR16	7.30E-10	8.63E-10	6.91E-10	7.43E-09	1.76E-06	1.39E-08	1.43E-09
HHR17	8.70E-10	1.03E-09	8.22E-10	8.30E-09	9.39E-07	1.66E-08	1.70E-09
HHR18	8.64E-10	1.02E-09	8.14E-10	9.17E-09	1.55E-06	1.67E-08	1.67E-09
HHR19	1.15E-09	1.37E-09	1.09E-09	8.68E-09	1.99E-06	2.16E-08	2.32E-09
HHR20	1.02E-09	1.21E-09	9.68E-10	9.65E-09	1.75E-06	1.95E-08	2.01E-09
HHR21	1.08E-09	1.27E-09	1.02E-09	9.89E-09	1.87E-06	2.06E-08	2.10E-09
HHR22	2.00E-09	2.37E-09	1.90E-09	1.69E-08	4.28E-06	3.80E-08	3.98E-09
HHR23	1.07E-09	1.28E-09	1.03E-09	1.20E-08	6.21E-06	1.97E-08	2.22E-09
HHR24	1.04E-09	1.24E-09	9.94E-10	1.25E-08	4.68E-06	1.94E-08	2.13E-09
HHR25	1.76E-09	2.09E-09	1.67E-09	1.22E-08	3.59E-06	3.28E-08	3.56E-09
HHR26	1.56E-09	1.86E-09	1.49E-09	1.12E-08	3.37E-06	2.93E-08	3.16E-09
HHR27	1.01E-09	1.20E-09	9.59E-10	1.28E-08	4.55E-06	1.93E-08	1.99E-09
HHR28	1.19E-09	1.40E-09	1.12E-09	1.20E-08	2.13E-06	2.30E-08	2.27E-09
HHR29	4.50E-10	5.36E-10	4.30E-10	3.04E-09	7.47E-07	8.32E-09	9.24E-10
HHR30	1.14E-09	1.35E-09	1.08E-09	2.01E-08	7.82E-06	2.14E-08	2.29E-09
HHR31	4.53E-10	5.41E-10	4.34E-10	2.63E-09	6.63E-07	8.34E-09	9.41E-10
HHR32	5.07E-10	6.04E-10	4.84E-10	4.54E-09	1.23E-06	9.39E-09	1.04E-09
HHR33	7.34E-10	8.79E-10	7.05E-10	7.52E-09	2.34E-06	1.35E-08	1.55E-09

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR34	7.02E-10	8.35E-10	6.69E-10	6.91E-09	1.71E-06	1.31E-08	1.43E-09
HHR35	6.65E-10	7.96E-10	6.38E-10	6.87E-09	2.01E-06	1.22E-08	1.39E-09
HHR36	8.82E-10	1.04E-09	8.33E-10	1.03E-08	3.43E-06	1.69E-08	1.72E-09
HHR37	1.31E-09	1.56E-09	1.25E-09	1.53E-08	6.70E-06	2.43E-08	2.68E-09
HHR38	6.11E-10	7.33E-10	5.88E-10	6.70E-09	1.80E-06	1.11E-08	1.29E-09
HHR39	9.07E-10	1.07E-09	8.55E-10	8.79E-09	1.17E-06	1.75E-08	1.76E-09
HHR40	8.73E-10	1.03E-09	8.25E-10	8.43E-09	1.04E-06	1.67E-08	1.71E-09
HHR41	9.12E-10	1.08E-09	8.62E-10	8.69E-09	1.00E-06	1.74E-08	1.79E-09
HHR42	7.52E-10	8.88E-10	7.11E-10	7.58E-09	1.76E-06	1.43E-08	1.47E-09
HHR43	1.11E-09	1.32E-09	1.06E-09	1.20E-08	4.66E-06	2.08E-08	2.25E-09
HHR44	1.15E-09	1.36E-09	1.09E-09	1.30E-08	4.96E-06	2.18E-08	2.27E-09
HHR45	8.06E-10	9.50E-10	7.60E-10	8.30E-09	2.48E-06	1.55E-08	1.56E-09
HHR46	1.73E-09	2.06E-09	1.65E-09	1.94E-08	7.30E-06	3.26E-08	3.47E-09
HHR47	2.92E-09	3.47E-09	2.78E-09	2.24E-08	9.17E-06	5.46E-08	5.90E-09
HHR48	8.52E-10	1.01E-09	8.05E-10	8.36E-09	1.10E-06	1.63E-08	1.67E-09
HHR49	3.00E-09	3.56E-09	2.85E-09	2.73E-08	1.24E-05	5.64E-08	6.02E-09
HHR50	3.99E-09	4.72E-09	3.78E-09	4.49E-08	1.67E-05	7.62E-08	7.86E-09
HHR51	3.49E-09	4.19E-09	3.36E-09	7.95E-08	2.86E-05	6.71E-08	7.56E-09
HHR52	2.02E-09	2.39E-09	1.91E-09	2.25E-08	8.65E-06	3.81E-08	4.01E-09
HHR53	2.64E-09	3.14E-09	2.51E-09	2.35E-08	8.47E-06	4.94E-08	5.36E-09
HHR54	2.06E-09	2.44E-09	1.96E-09	2.35E-08	9.64E-06	3.85E-08	4.15E-09
HHR55	4.51E-09	5.35E-09	4.28E-09	3.68E-08	9.93E-06	8.49E-08	9.01E-09
HHR56	1.74E-09	2.07E-09	1.66E-09	1.67E-08	6.81E-06	3.27E-08	3.68E-09
HHR57	2.56E-09	3.04E-09	2.43E-09	2.13E-08	7.68E-06	4.79E-08	5.15E-09
HHR58	3.74E-09	4.52E-09	3.62E-09	3.00E-08	1.61E-05	6.67E-08	8.15E-09
HHR59	3.14E-09	3.79E-09	3.04E-09	2.95E-08	1.32E-05	5.59E-08	6.84E-09
HHR60	3.11E-09	3.75E-09	3.01E-09	2.00E-08	1.01E-05	5.49E-08	6.83E-09
HHR61	1.81E-09	2.15E-09	1.73E-09	1.52E-08	6.68E-06	3.37E-08	3.69E-09
HHR62	1.75E-09	2.09E-09	1.68E-09	1.46E-08	6.01E-06	3.22E-08	3.72E-09
HHR63	1.01E-09	1.20E-09	9.57E-10	9.35E-09	2.73E-06	1.92E-08	2.00E-09
HHR64	9.30E-10	1.10E-09	8.82E-10	8.18E-09	2.06E-06	1.76E-08	1.85E-09
HHR65	1.15E-09	1.36E-09	1.09E-09	1.19E-08	2.86E-06	2.17E-08	2.30E-09
HHR66	1.46E-09	1.75E-09	1.40E-09	1.38E-08	3.67E-06	2.67E-08	3.07E-09
HHR67	1.87E-09	2.23E-09	1.79E-09	1.31E-08	4.68E-06	3.45E-08	3.86E-09

Receptor Location	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Cadmium (Cd)	Carbon Disulphide	Chromium (Cr)	Chrysene
HHR68	1.36E-09	1.63E-09	1.30E-09	1.06E-08	2.68E-06	2.53E-08	2.79E-09
HHR69	7.75E-10	9.16E-10	7.33E-10	7.71E-09	1.08E-06	1.48E-08	1.52E-09
HHR70	8.54E-10	1.01E-09	8.05E-10	8.56E-09	1.20E-06	1.64E-08	1.66E-09
HHR71	9.65E-10	1.14E-09	9.13E-10	8.97E-09	1.63E-06	1.84E-08	1.90E-09
HHR72	1.30E-09	1.55E-09	1.24E-09	1.14E-08	3.26E-06	2.42E-08	2.72E-09
HHR73	1.84E-09	2.17E-09	1.73E-09	1.76E-08	4.66E-06	3.54E-08	3.55E-09
HHR74	8.94E-10	1.05E-09	8.41E-10	9.26E-09	1.56E-06	1.72E-08	1.72E-09
HHR75	1.13E-09	1.35E-09	1.08E-09	1.14E-08	4.13E-06	2.12E-08	2.29E-09
HHR76	2.23E-09	2.65E-09	2.12E-09	2.56E-08	9.04E-06	4.19E-08	4.49E-09
HHR77	1.13E-09	1.35E-09	1.08E-09	1.08E-08	2.25E-06	2.15E-08	2.27E-09
HHR78	1.06E-09	1.25E-09	1.00E-09	8.49E-09	2.31E-06	2.00E-08	2.11E-09
HHR79	1.01E-09	1.19E-09	9.54E-10	9.68E-09	1.65E-06	1.94E-08	1.96E-09
HHR80	8.74E-10	1.05E-09	8.41E-10	6.84E-09	1.94E-06	1.58E-08	1.86E-09
HHR81	8.68E-10	1.02E-09	8.17E-10	9.85E-09	1.86E-06	1.67E-08	1.67E-09
HHR82	8.66E-10	1.03E-09	8.21E-10	9.44E-09	1.97E-06	1.64E-08	1.73E-09
HHR83	8.33E-10	9.85E-10	7.89E-10	9.23E-09	1.82E-06	1.59E-08	1.64E-09
MPOI	5.69E-08	6.80E-08	5.45E-08	7.96E-07	8.72E-04	1.04E-06	1.19E-07

Table M2-8: *(cont'd)*

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR1	2.06E-07	3.57E-07	1.70E-09	1.67E-06	5.55E-09	1.31E-09	1.10E-04	3.90E-05	1.14E-06
HHR2	3.03E-07	5.26E-07	2.05E-09	1.75E-06	5.30E-09	1.92E-09	1.05E-04	4.36E-05	1.62E-06
HHR3	3.40E-07	5.95E-07	2.93E-09	2.79E-06	9.36E-09	2.14E-09	1.85E-04	6.12E-05	2.53E-06
HHR4	2.82E-07	4.89E-07	2.16E-09	1.87E-06	5.79E-09	1.79E-09	1.14E-04	5.21E-05	1.60E-06
HHR5	3.64E-07	6.35E-07	3.10E-09	2.96E-06	9.62E-09	2.28E-09	1.92E-04	6.96E-05	1.95E-06
HHR6	8.97E-07	1.56E-06	4.21E-09	3.95E-06	1.52E-08	5.70E-09	2.88E-04	1.10E-04	3.42E-06
HHR7	1.30E-07	2.32E-07	1.67E-09	1.53E-06	4.76E-09	7.90E-10	9.58E-05	1.92E-05	3.13E-07
HHR8	1.73E-07	3.05E-07	1.51E-09	1.40E-06	4.67E-09	1.08E-09	9.21E-05	3.14E-05	9.20E-07
HHR9	2.36E-07	4.10E-07	1.66E-09	1.49E-06	4.76E-09	1.49E-09	9.28E-05	3.48E-05	1.04E-06
HHR10	3.61E-07	6.31E-07	2.76E-09	2.54E-06	8.04E-09	2.28E-09	1.59E-04	8.11E-05	2.47E-06
HHR11	1.94E-07	3.46E-07	1.86E-09	1.85E-06	6.11E-09	1.17E-09	1.21E-04	2.81E-05	5.05E-07
HHR12	2.40E-07	4.21E-07	1.78E-09	1.61E-06	5.57E-09	1.49E-09	1.09E-04	4.26E-05	1.21E-06
HHR13	1.99E-07	3.52E-07	1.86E-09	1.84E-06	6.10E-09	1.22E-09	1.21E-04	2.81E-05	5.28E-07
HHR14	2.34E-07	4.09E-07	1.85E-09	1.81E-06	5.97E-09	1.46E-09	1.19E-04	2.44E-05	8.08E-07
HHR15	2.79E-07	4.92E-07	2.73E-09	2.51E-06	8.09E-09	1.71E-09	1.61E-04	2.92E-05	1.01E-06
HHR16	1.51E-07	2.67E-07	1.27E-09	1.24E-06	4.17E-09	9.24E-10	8.20E-05	1.92E-05	4.91E-07
HHR17	1.68E-07	2.98E-07	1.51E-09	1.48E-06	4.92E-09	1.03E-09	9.76E-05	1.84E-05	2.69E-07
HHR18	1.88E-07	3.32E-07	1.47E-09	1.49E-06	5.12E-09	1.15E-09	1.01E-04	2.20E-05	4.35E-07
HHR19	1.70E-07	3.04E-07	2.08E-09	1.93E-06	6.08E-09	1.04E-09	1.22E-04	2.68E-05	6.12E-07
HHR20	1.93E-07	3.43E-07	1.78E-09	1.75E-06	5.82E-09	1.18E-09	1.15E-04	2.48E-05	5.33E-07
HHR21	1.99E-07	3.52E-07	1.86E-09	1.85E-06	6.10E-09	1.21E-09	1.21E-04	2.81E-05	5.21E-07
HHR22	3.44E-07	6.08E-07	3.54E-09	3.39E-06	1.10E-08	2.11E-09	2.19E-04	5.22E-05	1.37E-06
HHR23	2.56E-07	4.47E-07	2.01E-09	1.77E-06	5.70E-09	1.61E-09	1.13E-04	6.09E-05	1.94E-06
HHR24	2.63E-07	4.61E-07	1.92E-09	1.74E-06	6.04E-09	1.64E-09	1.18E-04	4.97E-05	1.49E-06
HHR25	2.54E-07	4.44E-07	3.21E-09	2.93E-06	9.03E-09	1.59E-09	1.82E-04	3.86E-05	1.03E-06
HHR26	2.22E-07	3.94E-07	2.84E-09	2.62E-06	8.14E-09	1.37E-09	1.64E-04	3.18E-05	9.22E-07
HHR27	2.78E-07	4.82E-07	1.77E-09	1.72E-06	5.67E-09	1.76E-09	1.13E-04	3.61E-05	1.35E-06
HHR28	2.44E-07	4.32E-07	2.00E-09	2.05E-06	7.02E-09	1.48E-09	1.39E-04	2.90E-05	6.40E-07
HHR29	6.29E-08	1.09E-07	8.36E-10	7.44E-07	2.23E-09	3.98E-10	4.52E-05	1.00E-05	2.35E-07
HHR30	4.37E-07	7.59E-07	2.06E-09	1.91E-06	7.44E-09	2.78E-09	1.40E-04	6.37E-05	2.33E-06
HHR31	4.86E-08	8.83E-08	8.55E-10	7.47E-07	2.20E-09	2.88E-10	4.47E-05	1.00E-05	2.04E-07
HHR32	9.67E-08	1.68E-07	9.38E-10	8.41E-07	2.59E-09	6.11E-10	5.19E-05	1.36E-05	3.88E-07
HHR33	1.63E-07	2.83E-07	1.42E-09	1.21E-06	3.61E-09	1.03E-09	7.26E-05	2.45E-05	7.40E-07

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR34	1.41E-07	2.49E-07	1.29E-09	1.17E-06	3.85E-09	8.73E-10	7.57E-05	1.80E-05	4.76E-07
HHR35	1.49E-07	2.59E-07	1.26E-09	1.09E-06	3.19E-09	9.44E-10	6.49E-05	2.12E-05	6.38E-07
HHR36	2.12E-07	3.74E-07	1.53E-09	1.51E-06	5.29E-09	1.31E-09	1.04E-04	3.96E-05	1.12E-06
HHR37	3.29E-07	5.72E-07	2.43E-09	2.18E-06	6.69E-09	2.08E-09	1.33E-04	5.61E-05	1.95E-06
HHR38	1.44E-07	2.51E-07	1.18E-09	9.99E-07	2.94E-09	9.12E-10	5.94E-05	1.87E-05	5.66E-07
HHR39	1.80E-07	3.17E-07	1.57E-09	1.55E-06	5.26E-09	1.10E-09	1.04E-04	1.94E-05	3.43E-07
HHR40	1.71E-07	3.02E-07	1.52E-09	1.49E-06	5.00E-09	1.04E-09	9.90E-05	1.86E-05	3.00E-07
HHR41	1.76E-07	3.12E-07	1.59E-09	1.55E-06	5.10E-09	1.07E-09	1.01E-04	1.97E-05	2.92E-07
HHR42	1.54E-07	2.72E-07	1.31E-09	1.28E-06	4.33E-09	9.43E-10	8.52E-05	1.98E-05	4.91E-07
HHR43	2.55E-07	4.45E-07	2.03E-09	1.85E-06	5.90E-09	1.61E-09	1.18E-04	4.91E-05	1.47E-06
HHR44	2.81E-07	4.89E-07	2.02E-09	1.94E-06	6.37E-09	1.78E-09	1.26E-04	5.16E-05	1.56E-06
HHR45	1.69E-07	2.99E-07	1.38E-09	1.38E-06	4.68E-09	1.03E-09	9.23E-05	2.68E-05	7.83E-07
HHR46	4.17E-07	7.26E-07	3.11E-09	2.91E-06	9.27E-09	2.63E-09	1.85E-04	8.07E-05	2.33E-06
HHR47	4.73E-07	8.26E-07	5.30E-09	4.87E-06	1.51E-08	2.97E-09	3.04E-04	1.14E-04	3.07E-06
HHR48	1.69E-07	3.00E-07	1.48E-09	1.45E-06	4.93E-09	1.04E-09	9.74E-05	1.82E-05	3.16E-07
HHR49	5.92E-07	1.03E-06	5.39E-09	5.03E-06	1.59E-08	3.76E-09	3.18E-04	1.40E-04	4.03E-06
HHR50	9.66E-07	1.68E-06	7.00E-09	6.79E-06	2.32E-08	6.10E-09	4.58E-04	2.15E-04	5.62E-06
HHR51	1.73E-06	3.00E-06	7.00E-09	5.99E-06	2.85E-08	1.10E-08	5.29E-04	3.18E-04	9.25E-06
HHR52	4.86E-07	8.46E-07	3.58E-09	3.41E-06	1.09E-08	3.07E-09	2.18E-04	8.98E-05	2.74E-06
HHR53	5.07E-07	8.83E-07	4.82E-09	4.42E-06	1.38E-08	3.21E-09	2.77E-04	1.05E-04	2.81E-06
HHR54	5.09E-07	8.85E-07	3.73E-09	3.44E-06	1.08E-08	3.23E-09	2.16E-04	1.03E-04	3.08E-06
HHR55	7.77E-07	1.36E-06	8.06E-09	7.60E-06	2.41E-08	4.90E-09	4.83E-04	1.28E-04	3.36E-06
HHR56	3.58E-07	6.23E-07	3.39E-09	2.92E-06	9.38E-09	2.25E-09	1.87E-04	5.21E-05	1.86E-06
HHR57	4.49E-07	7.86E-07	4.62E-09	4.28E-06	1.34E-08	2.81E-09	2.69E-04	7.73E-05	2.34E-06
HHR58	6.42E-07	1.12E-06	7.54E-09	6.03E-06	1.63E-08	4.06E-09	3.34E-04	8.93E-05	4.34E-06
HHR59	6.20E-07	1.09E-06	6.33E-09	5.06E-06	1.44E-08	3.86E-09	2.85E-04	7.57E-05	3.58E-06
HHR60	4.28E-07	7.45E-07	6.34E-09	4.98E-06	1.28E-08	2.70E-09	2.68E-04	7.70E-05	2.83E-06
HHR61	3.28E-07	5.71E-07	3.33E-09	3.02E-06	9.26E-09	2.08E-09	1.87E-04	6.34E-05	1.86E-06
HHR62	2.92E-07	5.18E-07	3.44E-09	2.89E-06	9.15E-09	1.77E-09	1.82E-04	5.33E-05	1.73E-06
HHR63	1.88E-07	3.34E-07	1.78E-09	1.71E-06	5.65E-09	1.14E-09	1.12E-04	2.61E-05	8.33E-07
HHR64	1.62E-07	2.89E-07	1.65E-09	1.57E-06	5.18E-09	9.77E-10	1.03E-04	2.07E-05	5.94E-07
HHR65	2.42E-07	4.27E-07	2.07E-09	1.93E-06	6.69E-09	1.48E-09	1.31E-04	2.79E-05	8.74E-07
HHR66	2.93E-07	5.12E-07	2.80E-09	2.40E-06	7.36E-09	1.83E-09	1.47E-04	3.76E-05	1.06E-06
HHR67	2.71E-07	4.76E-07	3.50E-09	3.09E-06	9.17E-09	1.71E-09	1.86E-04	3.95E-05	1.29E-06

Receptor Location	Cobalt (Co)	Copper (Cu)	Dibenz(a,h) anthracene	Ethylbenzene	Fluoranthene	Fluorene	Formaldehyde	Hexane	Hydrogen Sulphide
HHR68	2.12E-07	3.76E-07	2.52E-09	2.27E-06	6.95E-09	1.29E-09	1.40E-04	3.13E-05	8.17E-07
HHR69	1.57E-07	2.77E-07	1.35E-09	1.32E-06	4.47E-09	9.57E-10	8.83E-05	1.66E-05	3.10E-07
HHR70	1.76E-07	3.10E-07	1.48E-09	1.46E-06	4.97E-09	1.08E-09	9.84E-05	1.83E-05	3.51E-07
HHR71	1.82E-07	3.21E-07	1.69E-09	1.65E-06	5.48E-09	1.12E-09	1.09E-04	2.33E-05	4.72E-07
HHR72	2.37E-07	4.16E-07	2.52E-09	2.16E-06	6.68E-09	1.47E-09	1.34E-04	2.77E-05	9.09E-07
HHR73	3.51E-07	6.24E-07	3.14E-09	3.15E-06	1.07E-08	2.14E-09	2.12E-04	5.63E-05	1.52E-06
HHR74	1.89E-07	3.33E-07	1.51E-09	1.54E-06	5.28E-09	1.15E-09	1.04E-04	2.28E-05	4.41E-07
HHR75	2.43E-07	4.24E-07	2.05E-09	1.90E-06	6.05E-09	1.52E-09	1.20E-04	4.12E-05	1.27E-06
HHR76	5.50E-07	9.59E-07	4.03E-09	3.75E-06	1.20E-08	3.48E-09	2.40E-04	9.97E-05	2.84E-06
HHR77	2.21E-07	3.90E-07	2.03E-09	1.92E-06	6.44E-09	1.35E-09	1.27E-04	3.11E-05	6.67E-07
HHR78	1.68E-07	2.98E-07	1.88E-09	1.79E-06	5.69E-09	1.02E-09	1.14E-04	2.34E-05	6.72E-07
HHR79	1.94E-07	3.45E-07	1.73E-09	1.74E-06	5.84E-09	1.17E-09	1.16E-04	2.51E-05	4.80E-07
HHR80	1.43E-07	2.51E-07	1.71E-09	1.42E-06	3.92E-09	8.89E-10	8.06E-05	2.01E-05	6.10E-07
HHR81	2.04E-07	3.59E-07	1.47E-09	1.50E-06	5.20E-09	1.26E-09	1.02E-04	2.32E-05	5.16E-07
HHR82	1.96E-07	3.45E-07	1.54E-09	1.47E-06	5.11E-09	1.22E-09	1.01E-04	2.36E-05	5.44E-07
HHR83	1.92E-07	3.37E-07	1.46E-09	1.42E-06	4.91E-09	1.19E-09	9.63E-05	2.20E-05	5.04E-07
MPOI	1.73E-05	3.01E-05	1.08E-07	9.33E-05	2.85E-07	1.10E-07	5.57E-03	1.15E-02	2.21E-04

Table M2-8: *(cont'd)*

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR1	1.76E-09	2.15E-08	7.15E-08	9.45E-11	3.70E-07	3.57E-07	2.77E-08	6.68E-05	3.07E-09
HHR2	2.08E-09	3.16E-08	1.05E-07	1.39E-10	4.69E-07	5.26E-07	2.99E-08	9.85E-05	3.00E-09
HHR3	3.00E-09	3.77E-08	1.21E-07	1.55E-10	6.61E-07	5.91E-07	4.63E-08	1.09E-04	5.15E-09
HHR4	2.20E-09	2.96E-08	9.79E-08	1.29E-10	4.61E-07	4.89E-07	3.17E-08	9.15E-05	3.23E-09
HHR5	3.20E-09	3.87E-08	1.28E-07	1.65E-10	6.75E-07	6.32E-07	4.93E-08	1.17E-04	5.38E-09
HHR6	4.31E-09	9.35E-08	3.12E-07	4.12E-10	1.39E-06	1.56E-06	6.57E-08	2.92E-04	7.62E-09
HHR7	1.72E-09	1.52E-08	4.77E-08	5.72E-11	2.94E-07	2.27E-07	2.58E-08	4.05E-05	2.71E-09
HHR8	1.55E-09	1.89E-08	6.16E-08	7.81E-11	3.28E-07	3.02E-07	2.34E-08	5.53E-05	2.55E-09
HHR9	1.70E-09	2.50E-08	8.24E-08	1.08E-10	3.89E-07	4.09E-07	2.52E-08	7.63E-05	2.62E-09
HHR10	2.83E-09	3.86E-08	1.27E-07	1.65E-10	6.11E-07	6.28E-07	4.28E-08	1.17E-04	4.51E-09
HHR11	1.93E-09	2.24E-08	7.08E-08	8.46E-11	4.12E-07	3.40E-07	3.05E-08	5.99E-05	3.38E-09
HHR12	1.82E-09	2.61E-08	8.50E-08	1.08E-10	4.27E-07	4.18E-07	2.71E-08	7.64E-05	2.97E-09
HHR13	1.93E-09	2.26E-08	7.16E-08	8.80E-11	4.13E-07	3.48E-07	3.03E-08	6.23E-05	3.37E-09
HHR14	1.91E-09	2.52E-08	8.23E-08	1.06E-10	4.16E-07	4.07E-07	3.00E-08	7.48E-05	3.32E-09
HHR15	2.80E-09	3.11E-08	9.99E-08	1.24E-10	5.42E-07	4.87E-07	4.23E-08	8.76E-05	4.52E-09
HHR16	1.32E-09	1.69E-08	5.44E-08	6.69E-11	2.98E-07	2.64E-07	2.06E-08	4.73E-05	2.26E-09
HHR17	1.56E-09	1.90E-08	6.07E-08	7.43E-11	3.37E-07	2.94E-07	2.45E-08	5.25E-05	2.71E-09
HHR18	1.53E-09	2.09E-08	6.73E-08	8.34E-11	3.62E-07	3.28E-07	2.44E-08	5.90E-05	2.79E-09
HHR19	2.13E-09	1.99E-08	6.24E-08	7.50E-11	3.86E-07	2.98E-07	3.23E-08	5.31E-05	3.43E-09
HHR20	1.84E-09	2.21E-08	7.01E-08	8.51E-11	4.00E-07	3.38E-07	2.89E-08	6.02E-05	3.19E-09
HHR21	1.93E-09	2.26E-08	7.18E-08	8.72E-11	4.13E-07	3.47E-07	3.04E-08	6.17E-05	3.38E-09
HHR22	3.65E-09	3.87E-08	1.23E-07	1.52E-10	7.18E-07	6.00E-07	5.64E-08	1.08E-04	6.15E-09
HHR23	2.05E-09	2.73E-08	8.99E-08	1.16E-10	4.32E-07	4.45E-07	3.00E-08	8.22E-05	3.17E-09
HHR24	1.96E-09	2.84E-08	9.29E-08	1.18E-10	4.63E-07	4.58E-07	2.92E-08	8.38E-05	3.20E-09
HHR25	3.28E-09	2.80E-08	8.95E-08	1.15E-10	5.55E-07	4.42E-07	4.93E-08	8.15E-05	5.17E-09
HHR26	2.91E-09	2.56E-08	8.06E-08	9.88E-11	5.03E-07	3.87E-07	4.39E-08	6.99E-05	4.64E-09
HHR27	1.83E-09	2.89E-08	9.65E-08	1.28E-10	4.32E-07	4.82E-07	2.86E-08	9.03E-05	3.15E-09
HHR28	2.08E-09	2.75E-08	8.79E-08	1.07E-10	4.89E-07	4.26E-07	3.36E-08	7.59E-05	3.83E-09
HHR29	8.53E-10	6.97E-09	2.20E-08	2.88E-11	1.31E-07	1.09E-07	1.26E-08	2.04E-05	1.29E-09
HHR30	2.11E-09	4.56E-08	1.52E-07	2.01E-10	6.78E-07	7.59E-07	3.20E-08	1.42E-04	3.66E-09
HHR31	8.70E-10	6.05E-09	1.84E-08	2.08E-11	1.29E-07	8.56E-08	1.27E-08	1.47E-05	1.28E-09
HHR32	9.58E-10	1.03E-08	3.38E-08	4.42E-11	1.78E-07	1.68E-07	1.42E-08	3.13E-05	1.47E-09
HHR33	1.44E-09	1.70E-08	5.67E-08	7.48E-11	2.56E-07	2.83E-07	2.05E-08	5.29E-05	2.07E-09

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR34	1.32E-09	1.58E-08	5.07E-08	6.32E-11	2.74E-07	2.47E-07	1.97E-08	4.47E-05	2.09E-09
HHR35	1.28E-09	1.56E-08	5.18E-08	6.83E-11	2.34E-07	2.59E-07	1.86E-08	4.83E-05	1.86E-09
HHR36	1.58E-09	2.34E-08	7.57E-08	9.47E-11	3.96E-07	3.70E-07	2.49E-08	6.70E-05	2.85E-09
HHR37	2.48E-09	3.46E-08	1.15E-07	1.51E-10	5.29E-07	5.71E-07	3.67E-08	1.07E-04	3.79E-09
HHR38	1.20E-09	1.52E-08	5.04E-08	6.60E-11	2.32E-07	2.51E-07	1.71E-08	4.67E-05	1.70E-09
HHR39	1.62E-09	2.01E-08	6.44E-08	7.98E-11	3.60E-07	3.14E-07	2.56E-08	5.64E-05	2.89E-09
HHR40	1.57E-09	1.93E-08	6.14E-08	7.53E-11	3.47E-07	2.98E-07	2.46E-08	5.33E-05	2.75E-09
HHR41	1.64E-09	1.98E-08	6.35E-08	7.78E-11	3.50E-07	3.08E-07	2.57E-08	5.50E-05	2.83E-09
HHR42	1.35E-09	1.73E-08	5.54E-08	6.82E-11	3.07E-07	2.69E-07	2.12E-08	4.83E-05	2.35E-09
HHR43	2.08E-09	2.73E-08	8.95E-08	1.16E-10	4.40E-07	4.44E-07	3.12E-08	8.22E-05	3.32E-09
HHR44	2.09E-09	2.94E-08	9.78E-08	1.29E-10	4.61E-07	4.89E-07	3.24E-08	9.14E-05	3.53E-09
HHR45	1.43E-09	1.89E-08	6.08E-08	7.49E-11	3.31E-07	2.95E-07	2.28E-08	5.30E-05	2.56E-09
HHR46	3.20E-09	4.41E-08	1.46E-07	1.90E-10	6.82E-07	7.24E-07	4.87E-08	1.34E-04	5.21E-09
HHR47	5.44E-09	5.10E-08	1.66E-07	2.15E-10	9.29E-07	8.22E-07	8.19E-08	1.52E-04	8.63E-09
HHR48	1.53E-09	1.91E-08	6.10E-08	7.50E-11	3.42E-07	2.96E-07	2.41E-08	5.30E-05	2.70E-09
HHR49	5.54E-09	6.20E-08	2.06E-07	2.72E-10	1.00E-06	1.03E-06	8.43E-08	1.92E-04	8.98E-09
HHR50	7.22E-09	1.02E-07	3.37E-07	4.42E-10	1.63E-06	1.68E-06	1.13E-07	3.12E-04	1.27E-08
HHR51	7.03E-09	1.80E-07	6.00E-07	7.95E-10	2.68E-06	3.00E-06	9.72E-08	5.62E-04	1.34E-08
HHR52	3.69E-09	5.11E-08	1.69E-07	2.22E-10	7.79E-07	8.45E-07	5.68E-08	1.57E-04	6.14E-09
HHR53	4.94E-09	5.35E-08	1.77E-07	2.32E-10	9.11E-07	8.82E-07	7.41E-08	1.64E-04	7.84E-09
HHR54	3.83E-09	5.32E-08	1.77E-07	2.34E-10	7.99E-07	8.84E-07	5.78E-08	1.65E-04	6.11E-09
HHR55	8.29E-09	8.39E-08	2.74E-07	3.54E-10	1.55E-06	1.35E-06	1.27E-07	2.51E-04	1.36E-08
HHR56	3.42E-09	3.79E-08	1.25E-07	1.63E-10	6.29E-07	6.22E-07	4.90E-08	1.15E-04	5.24E-09
HHR57	4.74E-09	4.84E-08	1.58E-07	2.03E-10	8.36E-07	7.82E-07	7.18E-08	1.44E-04	7.60E-09
HHR58	7.58E-09	6.83E-08	2.24E-07	2.94E-10	1.11E-06	1.12E-06	1.04E-07	2.08E-04	9.70E-09
HHR59	6.36E-09	6.71E-08	2.19E-07	2.79E-10	1.11E-06	1.08E-06	8.73E-08	1.98E-04	8.09E-09
HHR60	6.36E-09	4.54E-08	1.50E-07	1.96E-10	7.91E-07	7.44E-07	8.62E-08	1.38E-04	7.95E-09
HHR61	3.40E-09	3.46E-08	1.15E-07	1.50E-10	5.80E-07	5.71E-07	5.08E-08	1.06E-04	5.30E-09
HHR62	3.46E-09	3.33E-08	1.06E-07	1.28E-10	6.11E-07	5.10E-07	4.90E-08	9.06E-05	5.12E-09
HHR63	1.84E-09	2.14E-08	6.81E-08	8.26E-11	3.86E-07	3.29E-07	2.84E-08	5.84E-05	3.12E-09
HHR64	1.70E-09	1.87E-08	5.92E-08	7.07E-11	3.46E-07	2.84E-07	2.62E-08	5.00E-05	2.88E-09
HHR65	2.12E-09	2.71E-08	8.69E-08	1.07E-10	4.78E-07	4.22E-07	3.23E-08	7.56E-05	3.62E-09
HHR66	2.84E-09	3.14E-08	1.03E-07	1.33E-10	5.13E-07	5.10E-07	4.09E-08	9.39E-05	4.17E-09
HHR67	3.56E-09	3.01E-08	9.65E-08	1.24E-10	5.74E-07	4.72E-07	5.23E-08	8.74E-05	5.33E-09

Receptor Location	Indeno (1,2,3-cd)pyrene	Lead (Pb)	Manganese (Mn)	Molybdenum (Mo)	Naphthalene	Nickel (Ni)	Phenanthrene	Propylene	Pyrene
HHR68	2.57E-09	2.43E-08	7.69E-08	9.37E-11	4.45E-07	3.70E-07	3.83E-08	6.63E-05	3.96E-09
HHR69	1.39E-09	1.76E-08	5.64E-08	6.93E-11	3.13E-07	2.73E-07	2.19E-08	4.90E-05	2.44E-09
HHR70	1.53E-09	1.95E-08	6.29E-08	7.80E-11	3.42E-07	3.06E-07	2.41E-08	5.52E-05	2.73E-09
HHR71	1.75E-09	2.05E-08	6.53E-08	8.11E-11	3.71E-07	3.18E-07	2.72E-08	5.74E-05	3.03E-09
HHR72	2.53E-09	2.60E-08	8.42E-08	1.06E-10	4.54E-07	4.12E-07	3.65E-08	7.50E-05	3.78E-09
HHR73	3.25E-09	4.02E-08	1.28E-07	1.55E-10	7.32E-07	6.14E-07	5.20E-08	1.09E-04	5.87E-09
HHR74	1.57E-09	2.11E-08	6.78E-08	8.33E-11	3.71E-07	3.29E-07	2.53E-08	5.90E-05	2.88E-09
HHR75	2.11E-09	2.60E-08	8.53E-08	1.10E-10	4.28E-07	4.22E-07	3.19E-08	7.79E-05	3.37E-09
HHR76	4.13E-09	5.81E-08	1.92E-07	2.52E-10	8.94E-07	9.57E-07	6.26E-08	1.78E-04	6.76E-09
HHR77	2.09E-09	2.47E-08	7.91E-08	9.79E-11	4.42E-07	3.85E-07	3.19E-08	6.92E-05	3.54E-09
HHR78	1.94E-09	1.94E-08	6.11E-08	7.35E-11	3.67E-07	2.93E-07	2.98E-08	5.20E-05	3.21E-09
HHR79	1.79E-09	2.21E-08	7.04E-08	8.50E-11	4.02E-07	3.39E-07	2.86E-08	6.02E-05	3.20E-09
HHR80	1.73E-09	1.56E-08	5.07E-08	6.43E-11	2.57E-07	2.49E-07	2.44E-08	4.55E-05	2.35E-09
HHR81	1.53E-09	2.24E-08	7.27E-08	9.10E-11	3.82E-07	3.55E-07	2.45E-08	6.44E-05	2.81E-09
HHR82	1.59E-09	2.15E-08	6.98E-08	8.79E-11	3.67E-07	3.42E-07	2.44E-08	6.22E-05	2.77E-09
HHR83	1.51E-09	2.10E-08	6.82E-08	8.59E-11	3.56E-07	3.34E-07	2.35E-08	6.08E-05	2.65E-09
MPOI	1.10E-07	1.80E-06	6.02E-06	7.96E-09	2.68E-05	3.01E-05	1.59E-06	5.63E-03	1.60E-07

Table M2-8: *(cont'd)*

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR1	5.04E-08	2.33E-08	7.48E-09	2.05E-06	1.15E-05	1.43E-07	8.46E-06	5.72E-07
HHR2	7.42E-08	3.07E-08	1.05E-08	3.28E-06	1.30E-05	2.10E-07	1.20E-05	8.41E-07
HHR3	8.25E-08	4.17E-08	1.33E-08	5.13E-06	1.99E-05	2.38E-07	1.51E-05	9.49E-07
HHR4	6.90E-08	3.21E-08	9.98E-09	2.98E-06	1.30E-05	1.96E-07	1.12E-05	7.82E-07
HHR5	8.82E-08	4.34E-08	1.35E-08	3.96E-06	2.05E-05	2.54E-07	1.54E-05	1.01E-06
HHR6	2.20E-07	6.04E-08	3.12E-08	6.61E-06	3.68E-05	6.23E-07	3.44E-05	2.49E-06
HHR7	3.05E-08	2.40E-08	5.57E-09	6.17E-07	9.51E-06	9.23E-08	6.42E-06	3.68E-07
HHR8	4.17E-08	2.22E-08	6.59E-09	1.67E-06	1.00E-05	1.22E-07	7.47E-06	4.86E-07
HHR9	5.75E-08	2.43E-08	8.45E-09	1.92E-06	1.11E-05	1.64E-07	9.55E-06	6.56E-07
HHR10	8.79E-08	3.94E-08	1.31E-08	4.55E-06	1.75E-05	2.52E-07	1.48E-05	1.01E-06
HHR11	4.51E-08	2.55E-08	8.04E-09	1.05E-06	1.29E-05	1.38E-07	9.24E-06	5.50E-07
HHR12	5.76E-08	2.56E-08	8.98E-09	2.18E-06	1.23E-05	1.68E-07	1.01E-05	6.71E-07
HHR13	4.69E-08	2.56E-08	8.06E-09	1.10E-06	1.29E-05	1.40E-07	9.27E-06	5.61E-07
HHR14	5.64E-08	2.63E-08	8.66E-09	1.55E-06	1.24E-05	1.63E-07	9.74E-06	6.52E-07
HHR15	6.60E-08	3.93E-08	1.09E-08	2.11E-06	1.66E-05	1.96E-07	1.23E-05	7.84E-07
HHR16	3.57E-08	1.77E-08	5.98E-09	1.03E-06	9.06E-06	1.07E-07	6.82E-06	4.26E-07
HHR17	3.96E-08	2.07E-08	6.71E-09	5.48E-07	1.03E-05	1.19E-07	7.64E-06	4.74E-07
HHR18	4.45E-08	1.99E-08	7.35E-09	9.06E-07	1.10E-05	1.32E-07	8.34E-06	5.28E-07
HHR19	4.00E-08	2.96E-08	7.27E-09	1.16E-06	1.24E-05	1.21E-07	8.41E-06	4.82E-07
HHR20	4.54E-08	2.46E-08	7.88E-09	1.02E-06	1.23E-05	1.37E-07	9.01E-06	5.46E-07
HHR21	4.65E-08	2.56E-08	8.08E-09	1.09E-06	1.29E-05	1.40E-07	9.29E-06	5.60E-07
HHR22	8.13E-08	4.96E-08	1.39E-08	2.50E-06	2.27E-05	2.42E-07	1.59E-05	9.67E-07
HHR23	6.20E-08	2.98E-08	9.30E-09	3.63E-06	1.23E-05	1.79E-07	1.04E-05	7.14E-07
HHR24	6.32E-08	2.77E-08	9.77E-09	2.73E-06	1.34E-05	1.84E-07	1.10E-05	7.35E-07
HHR25	6.14E-08	4.60E-08	1.03E-08	2.09E-06	1.80E-05	1.77E-07	1.19E-05	7.09E-07
HHR26	5.27E-08	4.05E-08	9.34E-09	1.97E-06	1.63E-05	1.57E-07	1.08E-05	6.26E-07
HHR27	6.81E-08	2.63E-08	9.65E-09	2.66E-06	1.18E-05	1.93E-07	1.07E-05	7.72E-07
HHR28	5.72E-08	2.68E-08	9.76E-09	1.24E-06	1.49E-05	1.72E-07	1.11E-05	6.87E-07
HHR29	1.54E-08	1.22E-08	2.50E-09	4.36E-07	4.36E-06	4.38E-08	2.87E-06	1.75E-07
HHR30	1.07E-07	2.94E-08	1.52E-08	4.56E-06	1.89E-05	3.04E-07	1.72E-05	1.21E-06
HHR31	1.11E-08	1.26E-08	2.30E-09	3.87E-07	4.30E-06	3.51E-08	2.69E-06	1.40E-07
HHR32	2.36E-08	1.36E-08	3.62E-09	7.16E-07	5.29E-06	6.73E-08	4.11E-06	2.69E-07
HHR33	3.99E-08	2.13E-08	5.70E-09	1.36E-06	7.26E-06	1.13E-07	6.35E-06	4.53E-07

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR34	3.37E-08	1.86E-08	5.54E-09	9.96E-07	8.33E-06	9.95E-08	6.31E-06	3.97E-07
HHR35	3.64E-08	1.87E-08	5.21E-09	1.17E-06	6.51E-06	1.04E-07	5.79E-06	4.14E-07
HHR36	5.05E-08	2.17E-08	8.15E-09	2.00E-06	1.17E-05	1.49E-07	9.22E-06	5.95E-07
HHR37	8.03E-08	3.52E-08	1.16E-08	3.91E-06	1.51E-05	2.29E-07	1.32E-05	9.15E-07
HHR38	3.52E-08	1.77E-08	5.11E-09	1.05E-06	6.35E-06	1.00E-07	5.70E-06	4.02E-07
HHR39	4.26E-08	2.18E-08	7.12E-09	6.85E-07	1.11E-05	1.26E-07	8.11E-06	5.05E-07
HHR40	4.02E-08	2.11E-08	6.87E-09	6.09E-07	1.06E-05	1.20E-07	7.83E-06	4.80E-07
HHR41	4.15E-08	2.19E-08	7.02E-09	5.86E-07	1.07E-05	1.24E-07	7.99E-06	4.97E-07
HHR42	3.64E-08	1.82E-08	6.13E-09	1.03E-06	9.36E-06	1.09E-07	7.01E-06	4.34E-07
HHR43	6.20E-08	2.96E-08	9.35E-09	2.72E-06	1.26E-05	1.78E-07	1.05E-05	7.12E-07
HHR44	6.89E-08	2.82E-08	9.87E-09	2.89E-06	1.35E-05	1.95E-07	1.10E-05	7.82E-07
HHR45	3.99E-08	1.88E-08	6.68E-09	1.45E-06	9.95E-06	1.19E-07	7.58E-06	4.76E-07
HHR46	1.01E-07	4.42E-08	1.49E-08	4.26E-06	1.94E-05	2.90E-07	1.66E-05	1.16E-06
HHR47	1.15E-07	7.58E-08	1.75E-08	5.35E-06	3.02E-05	3.30E-07	2.01E-05	1.32E-06
HHR48	4.00E-08	2.06E-08	6.78E-09	6.40E-07	1.04E-05	1.20E-07	7.72E-06	4.77E-07
HHR49	1.45E-07	7.65E-08	2.07E-08	7.25E-06	3.20E-05	4.11E-07	2.31E-05	1.65E-06
HHR50	2.35E-07	9.73E-08	3.46E-08	9.74E-06	4.93E-05	6.72E-07	3.87E-05	2.69E-06
HHR51	4.24E-07	1.08E-07	6.00E-08	1.67E-05	7.15E-05	1.20E-06	6.66E-05	4.80E-06
HHR52	1.19E-07	5.02E-08	1.72E-08	5.05E-06	2.23E-05	3.38E-07	1.92E-05	1.35E-06
HHR53	1.24E-07	6.93E-08	1.82E-08	4.94E-06	2.81E-05	3.53E-07	2.05E-05	1.41E-06
HHR54	1.25E-07	5.35E-08	1.78E-08	5.62E-06	2.20E-05	3.54E-07	2.00E-05	1.42E-06
HHR55	1.89E-07	1.14E-07	2.97E-08	5.80E-06	4.93E-05	5.43E-07	3.42E-05	2.17E-06
HHR56	8.69E-08	5.19E-08	1.28E-08	3.98E-06	1.95E-05	2.49E-07	1.44E-05	9.96E-07
HHR57	1.08E-07	6.59E-08	1.67E-08	4.48E-06	2.68E-05	3.14E-07	1.88E-05	1.26E-06
HHR58	1.57E-07	1.16E-07	2.33E-08	9.42E-06	3.26E-05	4.47E-07	2.62E-05	1.79E-06
HHR59	1.49E-07	9.75E-08	2.31E-08	7.69E-06	3.21E-05	4.34E-07	2.60E-05	1.73E-06
HHR60	1.04E-07	9.86E-08	1.54E-08	5.87E-06	2.53E-05	2.98E-07	1.75E-05	1.19E-06
HHR61	8.02E-08	4.81E-08	1.17E-08	3.90E-06	1.85E-05	2.28E-07	1.33E-05	9.14E-07
HHR62	6.83E-08	5.28E-08	1.19E-08	3.50E-06	1.90E-05	2.06E-07	1.36E-05	8.23E-07
HHR63	4.40E-08	2.49E-08	7.62E-09	1.59E-06	1.19E-05	1.33E-07	8.69E-06	5.31E-07
HHR64	3.77E-08	2.30E-08	6.73E-09	1.20E-06	1.08E-05	1.15E-07	7.72E-06	4.60E-07
HHR65	5.70E-08	2.96E-08	9.59E-09	1.67E-06	1.44E-05	1.70E-07	1.09E-05	6.80E-07
HHR66	7.08E-08	4.21E-08	1.07E-08	2.14E-06	1.51E-05	2.05E-07	1.20E-05	8.18E-07
HHR67	6.59E-08	5.11E-08	1.10E-08	2.73E-06	1.83E-05	1.90E-07	1.27E-05	7.59E-07

Receptor Location	Selenium (Se)	Silver (Ag)	Strontium (Sr)	Thiophenes	Toluene	Vanadium (V)	Xylenes	Zinc (Zn)
HHR68	5.00E-08	3.65E-08	8.69E-09	1.56E-06	1.41E-05	1.50E-07	9.92E-06	5.98E-07
HHR69	3.70E-08	1.86E-08	6.24E-09	6.32E-07	9.51E-06	1.10E-07	7.10E-06	4.41E-07
HHR70	4.16E-08	2.06E-08	6.85E-09	7.01E-07	1.05E-05	1.24E-07	7.75E-06	4.93E-07
HHR71	4.33E-08	2.35E-08	7.31E-09	9.53E-07	1.15E-05	1.28E-07	8.36E-06	5.12E-07
HHR72	5.66E-08	3.90E-08	9.05E-09	1.90E-06	1.39E-05	1.66E-07	1.02E-05	6.63E-07
HHR73	8.24E-08	4.40E-08	1.44E-08	2.72E-06	2.25E-05	2.49E-07	1.64E-05	9.93E-07
HHR74	4.44E-08	2.04E-08	7.46E-09	9.09E-07	1.13E-05	1.33E-07	8.49E-06	5.31E-07
HHR75	5.87E-08	2.94E-08	8.93E-09	2.41E-06	1.28E-05	1.69E-07	1.00E-05	6.77E-07
HHR76	1.34E-07	5.77E-08	1.96E-08	5.28E-06	2.52E-05	3.83E-07	2.20E-05	1.53E-06
HHR77	5.22E-08	2.87E-08	8.69E-09	1.31E-06	1.37E-05	1.55E-07	9.96E-06	6.21E-07
HHR78	3.92E-08	2.65E-08	7.05E-09	1.35E-06	1.17E-05	1.19E-07	8.12E-06	4.73E-07
HHR79	4.54E-08	2.35E-08	7.91E-09	9.62E-07	1.24E-05	1.37E-07	9.06E-06	5.48E-07
HHR80	3.43E-08	2.58E-08	5.37E-09	1.13E-06	7.81E-06	1.00E-07	6.10E-06	4.01E-07
HHR81	4.86E-08	2.05E-08	7.82E-09	1.09E-06	1.14E-05	1.43E-07	8.84E-06	5.72E-07
HHR82	4.69E-08	2.19E-08	7.45E-09	1.15E-06	1.11E-05	1.38E-07	8.43E-06	5.50E-07
HHR83	4.58E-08	2.05E-08	7.29E-09	1.06E-06	1.07E-05	1.35E-07	8.23E-06	5.38E-07
MPOI	4.25E-06	1.59E-06	6.02E-07	5.09E-04	7.08E-04	1.20E-05	6.62E-04	4.81E-05

Table M2-9: Baseline Criteria Air Contaminants Concentrations for Lewis Project

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR1	8.00E-01	5.02E-01	1.02E-01	2.72E-02	1.89E-02	2.83E-03	7.25E-01	4.40E-01	5.31E-02	4.83E-03
HHR2	7.60E-01	5.97E-01	1.34E-01	2.49E-02	1.92E-02	2.90E-03	5.45E-01	3.30E-01	6.51E-02	6.29E-03
HHR3	2.40E-01	9.11E-02	9.66E-02	6.69E-03	3.60E-03	6.82E-04	2.85E-01	1.73E-01	4.08E-02	4.41E-03
HHR4	9.12E-01	7.77E-01	1.36E-01	3.12E-02	3.74E-02	5.08E-03	5.35E-01	3.24E-01	3.98E-02	4.73E-03
HHR5	6.45E-01	5.13E-01	9.75E-02	2.11E-02	1.66E-02	2.32E-03	4.83E-01	2.93E-01	5.60E-02	5.76E-03
HHR6	3.78E-01	1.92E-01	8.89E-02	1.28E-02	8.34E-03	1.15E-03	1.95E-01	1.18E-01	2.93E-02	3.46E-03
HHR7	8.24E-02	5.95E-02	5.17E-02	2.09E-03	2.16E-03	2.29E-04	8.98E-02	5.44E-02	1.08E-02	2.12E-03
HHR8	1.13E+00	8.52E-01	1.22E-01	2.93E-02	2.97E-02	3.86E-03	4.68E-01	2.84E-01	3.46E-02	3.71E-03
HHR9	9.78E-01	6.76E-01	1.12E-01	2.84E-02	2.51E-02	3.29E-03	6.96E-01	4.22E-01	4.39E-02	3.81E-03
HHR10	3.43E-01	2.67E-01	8.14E-02	1.11E-02	9.55E-03	1.77E-03	1.50E-01	9.12E-02	2.14E-02	2.64E-03
HHR11	6.74E-01	5.53E-01	1.45E-01	2.68E-02	2.35E-02	2.91E-03	1.39E-01	8.41E-02	2.18E-02	3.20E-03
HHR12	1.37E+00	9.53E-01	1.57E-01	3.60E-02	3.43E-02	5.82E-03	3.24E-01	1.96E-01	3.41E-02	4.62E-03
HHR13	1.16E+00	8.91E-01	2.93E-01	4.06E-02	4.09E-02	5.14E-03	1.47E-01	8.89E-02	2.76E-02	4.82E-03
HHR14	6.16E-01	4.12E-01	1.03E-01	2.66E-02	1.65E-02	2.44E-03	7.74E-01	4.69E-01	6.59E-02	7.12E-03
HHR15	1.07E-01	4.21E-02	6.47E-02	2.77E-03	1.97E-03	3.10E-04	1.57E-01	9.50E-02	3.10E-02	2.87E-03
HHR16	2.88E-01	2.32E-01	9.02E-02	1.50E-02	1.02E-02	1.26E-03	1.23E-01	7.47E-02	1.99E-02	1.67E-03
HHR17	2.44E-01	1.58E-01	8.70E-02	6.81E-03	5.63E-03	6.28E-04	9.93E-02	6.02E-02	1.83E-02	1.83E-03
HHR18	8.80E-01	7.07E-01	1.50E-01	3.44E-02	2.42E-02	3.73E-03	1.36E-01	8.24E-02	1.87E-02	2.95E-03
HHR19	9.49E-01	7.04E-01	1.56E-01	3.50E-02	2.46E-02	3.84E-03	1.13E-01	6.85E-02	2.01E-02	3.40E-03
HHR20	1.03E+00	7.61E-01	1.65E-01	3.90E-02	2.70E-02	4.43E-03	1.19E-01	7.20E-02	1.93E-02	3.53E-03
HHR21	9.27E-01	7.33E-01	2.11E-01	3.32E-02	3.16E-02	3.93E-03	1.44E-01	8.71E-02	2.44E-02	3.91E-03
HHR22	4.97E-01	4.06E-01	9.99E-02	2.13E-02	1.32E-02	2.16E-03	3.47E-01	2.10E-01	2.76E-02	3.59E-03
HHR23	1.10E+00	8.10E-01	1.74E-01	3.68E-02	3.93E-02	6.31E-03	4.50E-01	2.73E-01	3.45E-02	4.87E-03
HHR24	1.18E+00	8.89E-01	1.59E-01	3.65E-02	3.68E-02	6.06E-03	3.94E-01	2.38E-01	3.38E-02	4.72E-03
HHR25	2.79E-01	1.55E-01	9.03E-02	1.35E-02	7.89E-03	1.19E-03	2.29E-01	1.39E-01	3.46E-02	4.63E-03
HHR26	1.59E-01	9.60E-02	8.22E-02	7.36E-03	4.52E-03	7.52E-04	2.87E-01	1.74E-01	3.95E-02	4.34E-03
HHR27	1.07E-01	7.50E-02	7.54E-02	5.50E-03	3.58E-03	5.75E-04	2.22E-01	1.35E-01	3.83E-02	4.39E-03
HHR28	1.48E-01	1.08E-01	7.23E-02	4.23E-03	5.28E-03	4.60E-04	1.19E-01	7.19E-02	1.92E-02	1.69E-03
HHR29	1.61E+00	1.23E+00	2.09E-01	3.68E-02	4.77E-02	7.38E-03	1.84E-01	1.12E-01	2.90E-02	4.80E-03
HHR30	4.29E-01	3.40E-01	8.43E-02	1.15E-02	1.26E-02	1.16E-03	3.28E-01	1.99E-01	3.65E-02	3.29E-03
HHR31	3.35E+00	2.63E+00	4.53E-01	7.42E-02	1.09E-01	1.86E-02	2.53E-01	1.53E-01	3.93E-02	7.32E-03
HHR32	2.51E+00	2.02E+00	3.58E-01	7.30E-02	7.87E-02	1.51E-02	2.61E-01	1.58E-01	4.34E-02	9.69E-03

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR33	4.36E+00	3.07E+00	3.97E-01	5.34E-02	8.66E-02	1.17E-02	2.81E-01	1.71E-01	4.67E-02	7.22E-03
HHR34	2.78E-01	2.29E-01	8.74E-02	1.47E-02	9.16E-03	1.23E-03	1.22E-01	7.39E-02	2.29E-02	1.68E-03
HHR35	2.35E+00	1.80E+00	3.57E-01	6.66E-02	7.16E-02	1.33E-02	2.16E-01	1.31E-01	4.16E-02	9.00E-03
HHR36	2.04E+00	1.56E+00	2.07E-01	3.97E-02	4.35E-02	6.89E-03	3.12E-01	1.89E-01	3.17E-02	4.93E-03
HHR37	5.42E-01	4.29E-01	9.26E-02	1.52E-02	1.53E-02	1.64E-03	6.73E-01	4.08E-01	5.36E-02	4.49E-03
HHR38	9.60E-01	6.46E-01	1.31E-01	3.19E-02	2.76E-02	4.69E-03	1.69E-01	1.02E-01	2.51E-02	3.77E-03
HHR39	2.94E-01	1.82E-01	8.75E-02	7.26E-03	6.53E-03	6.62E-04	1.07E-01	6.47E-02	1.95E-02	2.12E-03
HHR40	2.47E-01	1.59E-01	8.71E-02	6.64E-03	5.68E-03	6.11E-04	1.05E-01	6.36E-02	1.84E-02	1.93E-03
HHR41	3.23E-01	1.99E-01	9.00E-02	8.09E-03	7.05E-03	7.39E-04	9.25E-02	5.60E-02	1.82E-02	1.87E-03
HHR42	3.17E-01	2.55E-01	9.28E-02	1.59E-02	1.13E-02	1.34E-03	1.29E-01	7.80E-02	1.96E-02	1.75E-03
HHR43	8.33E-01	7.26E-01	1.27E-01	2.91E-02	3.12E-02	4.29E-03	5.54E-01	3.36E-01	4.20E-02	4.51E-03
HHR44	9.89E-01	8.76E-01	1.62E-01	3.51E-02	3.86E-02	6.52E-03	5.89E-01	3.57E-01	4.14E-02	5.04E-03
HHR45	1.15E-01	8.84E-02	6.53E-02	3.12E-03	4.25E-03	3.56E-04	1.10E-01	6.68E-02	1.43E-02	1.47E-03
HHR46	1.99E-01	1.38E-01	8.66E-02	8.46E-03	9.50E-03	9.24E-04	2.49E-01	1.51E-01	4.15E-02	2.97E-03
HHR47	1.86E-01	1.56E-01	8.51E-02	1.02E-02	9.94E-03	1.11E-03	2.39E-01	1.45E-01	2.89E-02	3.69E-03
HHR48	2.33E-01	1.49E-01	8.65E-02	6.27E-03	5.37E-03	5.76E-04	1.06E-01	6.39E-02	1.77E-02	2.01E-03
HHR49	1.78E-01	1.22E-01	8.39E-02	7.54E-03	9.04E-03	8.35E-04	2.19E-01	1.33E-01	3.27E-02	2.82E-03
HHR50	1.94E-01	1.60E-01	8.82E-02	1.09E-02	1.01E-02	1.19E-03	3.29E-01	2.00E-01	3.08E-02	3.73E-03
HHR51	1.74E-01	1.05E-01	8.22E-02	6.35E-03	7.87E-03	7.04E-04	2.47E-01	1.50E-01	2.54E-02	2.89E-03
HHR52	1.15E+00	6.89E-01	1.14E-01	1.81E-02	1.32E-02	2.20E-03	2.39E-01	1.45E-01	2.81E-02	2.63E-03
HHR53	2.34E-01	1.88E-01	9.44E-02	1.21E-02	1.29E-02	1.37E-03	5.09E-01	3.09E-01	5.96E-02	5.39E-03
HHR54	7.92E-01	5.43E-01	9.79E-02	1.79E-02	1.36E-02	2.22E-03	3.19E-01	1.93E-01	3.08E-02	2.85E-03
HHR55	2.19E-01	1.75E-01	8.89E-02	1.08E-02	9.83E-03	1.24E-03	2.86E-01	1.73E-01	2.38E-02	3.05E-03
HHR56	3.64E-01	3.09E-01	9.64E-02	1.78E-02	1.49E-02	2.11E-03	2.77E-01	1.68E-01	3.13E-02	3.90E-03
HHR57	4.15E-01	3.46E-01	9.27E-02	1.81E-02	1.34E-02	1.77E-03	3.56E-01	2.16E-01	3.89E-02	4.74E-03
HHR58	1.50E-01	9.13E-02	7.83E-02	5.05E-03	5.21E-03	4.80E-04	2.49E-01	1.51E-01	2.81E-02	3.74E-03
HHR59	1.31E-01	8.86E-02	7.79E-02	5.09E-03	5.12E-03	4.90E-04	2.56E-01	1.55E-01	3.36E-02	3.83E-03
HHR60	1.50E-01	1.05E-01	8.03E-02	5.88E-03	6.19E-03	5.70E-04	3.12E-01	1.89E-01	3.73E-02	4.23E-03
HHR61	4.46E-01	3.46E-01	1.08E-01	2.66E-02	1.52E-02	2.37E-03	1.05E+00	6.38E-01	6.98E-02	8.18E-03
HHR62	4.45E-01	3.46E-01	1.16E-01	3.64E-02	2.56E-02	4.32E-03	1.10E+00	6.67E-01	1.21E-01	1.03E-02
HHR63	5.28E-01	3.61E-01	1.02E-01	2.74E-02	1.72E-02	2.59E-03	8.13E-01	4.92E-01	6.42E-02	6.82E-03
HHR64	5.41E-01	3.40E-01	1.04E-01	1.19E-02	1.45E-02	1.17E-03	1.13E-01	6.87E-02	2.02E-02	2.48E-03
HHR65	6.31E-01	4.50E-01	9.88E-02	2.49E-02	1.76E-02	2.60E-03	6.39E-01	3.87E-01	4.31E-02	5.15E-03

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR66	1.11E-01	7.86E-02	7.89E-02	5.63E-03	3.78E-03	5.87E-04	2.21E-01	1.34E-01	3.98E-02	4.44E-03
HHR67	1.36E-01	9.71E-02	7.98E-02	7.13E-03	4.82E-03	7.34E-04	3.39E-01	2.06E-01	4.51E-02	4.70E-03
HHR68	2.07E-01	1.34E-01	8.67E-02	1.07E-02	6.88E-03	1.00E-03	2.59E-01	1.57E-01	4.22E-02	4.63E-03
HHR69	1.85E-01	1.18E-01	8.05E-02	5.41E-03	4.43E-03	4.99E-04	9.48E-02	5.74E-02	1.83E-02	2.02E-03
HHR70	2.48E-01	1.55E-01	8.61E-02	6.41E-03	5.60E-03	5.82E-04	1.05E-01	6.39E-02	1.79E-02	2.11E-03
HHR71	1.31E+00	1.05E+00	1.77E-01	3.97E-02	4.46E-02	5.12E-03	1.28E-01	7.74E-02	1.87E-02	3.21E-03
HHR72	7.91E-02	4.21E-02	6.37E-02	3.41E-03	2.13E-03	3.67E-04	1.78E-01	1.08E-01	2.37E-02	2.97E-03
HHR73	3.82E-01	3.07E-01	9.23E-02	1.94E-02	1.08E-02	1.89E-03	3.65E-01	2.21E-01	3.52E-02	3.87E-03
HHR74	9.03E-01	6.93E-01	1.54E-01	3.73E-02	2.52E-02	4.09E-03	1.35E-01	8.20E-02	1.81E-02	3.14E-03
HHR75	1.22E+00	8.38E-01	1.53E-01	3.14E-02	2.51E-02	4.41E-03	2.78E-01	1.69E-01	3.21E-02	3.86E-03
HHR76	1.21E+00	9.83E-01	1.44E-01	4.20E-02	2.70E-02	4.42E-03	2.26E-01	1.37E-01	2.45E-02	3.10E-03
HHR77	9.44E-01	6.96E-01	2.43E-01	3.24E-02	3.60E-02	3.81E-03	1.41E-01	8.55E-02	2.48E-02	4.15E-03
HHR78	5.71E-01	4.02E-01	1.15E-01	1.92E-02	1.70E-02	1.87E-03	1.18E-01	7.15E-02	2.12E-02	2.80E-03
HHR79	8.45E-01	6.03E-01	1.44E-01	3.13E-02	2.24E-02	3.54E-03	1.24E-01	7.52E-02	1.95E-02	3.13E-03
HHR80	6.32E-01	4.52E-01	1.26E-01	2.25E-02	1.65E-02	2.33E-03	1.45E-01	8.81E-02	2.28E-02	2.52E-03
HHR81	4.49E-01	3.64E-01	1.03E-01	2.19E-02	1.24E-02	1.94E-03	1.50E-01	9.07E-02	2.04E-02	2.16E-03
HHR82	3.86E-01	3.30E-01	9.66E-02	2.05E-02	1.14E-02	1.77E-03	1.44E-01	8.71E-02	2.01E-02	2.04E-03
HHR83	4.48E-01	3.48E-01	1.04E-01	2.08E-02	1.23E-02	1.82E-03	1.42E-01	8.63E-02	1.95E-02	2.06E-03
MPOI	7.97E+00	5.05E+00	7.16E-01	9.31E-02	1.74E-01	2.53E-02	2.94E+00	1.78E+00	1.82E-01	2.33E-02

Table M2-10: Application Criteria Air Contaminants Concentrations for Lewis Project

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR1	8.01E-01	5.03E-01	1.02E-01	2.72E-02	1.89E-02	2.83E-03	7.25E-01	4.40E-01	5.31E-02	4.86E-03
HHR2	7.62E-01	5.99E-01	1.34E-01	2.49E-02	1.92E-02	2.90E-03	5.47E-01	3.31E-01	6.52E-02	6.32E-03
HHR3	2.40E-01	9.12E-02	9.66E-02	6.83E-03	3.60E-03	6.83E-04	2.86E-01	1.73E-01	4.08E-02	4.49E-03
HHR4	9.12E-01	7.78E-01	1.36E-01	3.13E-02	3.74E-02	5.08E-03	5.35E-01	3.24E-01	3.98E-02	4.76E-03
HHR5	6.47E-01	5.14E-01	9.75E-02	2.11E-02	1.66E-02	2.32E-03	4.83E-01	2.93E-01	5.60E-02	5.80E-03
HHR6	3.78E-01	1.92E-01	8.89E-02	1.29E-02	8.35E-03	1.15E-03	1.95E-01	1.18E-01	2.93E-02	3.52E-03
HHR7	8.24E-02	5.95E-02	5.18E-02	2.12E-03	2.16E-03	2.29E-04	8.99E-02	5.45E-02	1.08E-02	2.14E-03
HHR8	1.14E+00	8.53E-01	1.22E-01	2.93E-02	2.97E-02	3.86E-03	4.68E-01	2.84E-01	3.46E-02	3.74E-03
HHR9	9.78E-01	6.77E-01	1.12E-01	2.85E-02	2.51E-02	3.29E-03	6.96E-01	4.22E-01	4.39E-02	3.83E-03
HHR10	3.43E-01	2.67E-01	8.14E-02	1.12E-02	9.55E-03	1.77E-03	1.51E-01	9.12E-02	2.14E-02	2.68E-03
HHR11	6.74E-01	5.53E-01	1.45E-01	2.68E-02	2.35E-02	2.91E-03	1.39E-01	8.41E-02	2.19E-02	3.25E-03
HHR12	1.37E+00	9.53E-01	1.57E-01	3.60E-02	3.43E-02	5.82E-03	3.24E-01	1.96E-01	3.41E-02	4.66E-03
HHR13	1.16E+00	8.91E-01	2.93E-01	4.07E-02	4.09E-02	5.15E-03	1.47E-01	8.89E-02	2.78E-02	4.87E-03
HHR14	6.17E-01	4.13E-01	1.03E-01	2.66E-02	1.65E-02	2.44E-03	7.74E-01	4.69E-01	6.59E-02	7.16E-03
HHR15	1.25E-01	5.45E-02	6.47E-02	2.94E-03	1.99E-03	3.12E-04	1.62E-01	9.81E-02	3.17E-02	2.97E-03
HHR16	2.89E-01	2.32E-01	9.02E-02	1.51E-02	1.02E-02	1.26E-03	1.23E-01	7.48E-02	1.99E-02	1.70E-03
HHR17	2.44E-01	1.58E-01	8.70E-02	6.85E-03	5.63E-03	6.29E-04	9.97E-02	6.04E-02	1.84E-02	1.86E-03
HHR18	8.81E-01	7.08E-01	1.50E-01	3.44E-02	2.42E-02	3.73E-03	1.36E-01	8.25E-02	1.88E-02	2.98E-03
HHR19	9.49E-01	7.05E-01	1.56E-01	3.50E-02	2.46E-02	3.85E-03	1.13E-01	6.85E-02	2.01E-02	3.44E-03
HHR20	1.03E+00	7.61E-01	1.65E-01	3.90E-02	2.70E-02	4.44E-03	1.19E-01	7.20E-02	1.93E-02	3.57E-03
HHR21	9.27E-01	7.33E-01	2.11E-01	3.33E-02	3.16E-02	3.93E-03	1.44E-01	8.71E-02	2.45E-02	3.96E-03
HHR22	4.98E-01	4.07E-01	9.99E-02	2.14E-02	1.32E-02	2.16E-03	3.47E-01	2.10E-01	2.76E-02	3.66E-03
HHR23	1.10E+00	8.12E-01	1.74E-01	3.68E-02	3.93E-02	6.31E-03	4.50E-01	2.73E-01	3.45E-02	4.90E-03
HHR24	1.18E+00	8.89E-01	1.59E-01	3.65E-02	3.68E-02	6.06E-03	3.94E-01	2.38E-01	3.38E-02	4.75E-03
HHR25	2.79E-01	1.57E-01	9.03E-02	1.36E-02	7.89E-03	1.19E-03	2.29E-01	1.39E-01	3.46E-02	4.72E-03
HHR26	1.59E-01	9.60E-02	8.22E-02	7.56E-03	4.53E-03	7.55E-04	2.87E-01	1.74E-01	3.97E-02	4.46E-03
HHR27	1.27E-01	7.51E-02	7.54E-02	5.73E-03	3.58E-03	5.78E-04	2.22E-01	1.35E-01	3.84E-02	4.54E-03
HHR28	1.48E-01	1.08E-01	7.23E-02	4.28E-03	5.28E-03	4.60E-04	1.19E-01	7.20E-02	1.92E-02	1.73E-03
HHR29	1.61E+00	1.23E+00	2.09E-01	3.68E-02	4.77E-02	7.38E-03	1.84E-01	1.12E-01	2.92E-02	4.83E-03
HHR30	4.31E-01	3.41E-01	8.43E-02	1.15E-02	1.26E-02	1.17E-03	3.29E-01	1.99E-01	3.65E-02	3.31E-03
HHR31	3.35E+00	2.63E+00	4.53E-01	7.42E-02	1.09E-01	1.86E-02	2.53E-01	1.53E-01	3.95E-02	7.36E-03
HHR32	2.51E+00	2.02E+00	3.58E-01	7.30E-02	7.87E-02	1.51E-02	2.61E-01	1.58E-01	4.35E-02	9.73E-03

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR33	4.36E+00	3.07E+00	3.97E-01	5.34E-02	8.66E-02	1.17E-02	2.81E-01	1.71E-01	4.69E-02	7.25E-03
HHR34	2.78E-01	2.29E-01	8.74E-02	1.47E-02	9.16E-03	1.23E-03	1.22E-01	7.40E-02	2.29E-02	1.70E-03
HHR35	2.35E+00	1.80E+00	3.57E-01	6.67E-02	7.16E-02	1.33E-02	2.16E-01	1.31E-01	4.16E-02	9.03E-03
HHR36	2.04E+00	1.56E+00	2.07E-01	3.98E-02	4.35E-02	6.89E-03	3.12E-01	1.89E-01	3.18E-02	4.96E-03
HHR37	5.43E-01	4.30E-01	9.26E-02	1.52E-02	1.53E-02	1.65E-03	6.73E-01	4.08E-01	5.36E-02	4.52E-03
HHR38	9.60E-01	6.46E-01	1.31E-01	3.19E-02	2.76E-02	4.69E-03	1.69E-01	1.02E-01	2.52E-02	3.80E-03
HHR39	2.94E-01	1.82E-01	8.75E-02	7.31E-03	6.53E-03	6.63E-04	1.07E-01	6.49E-02	1.95E-02	2.15E-03
HHR40	2.47E-01	1.59E-01	8.71E-02	6.69E-03	5.68E-03	6.12E-04	1.05E-01	6.38E-02	1.85E-02	1.96E-03
HHR41	3.23E-01	1.99E-01	9.00E-02	8.14E-03	7.05E-03	7.40E-04	9.26E-02	5.61E-02	1.82E-02	1.90E-03
HHR42	3.18E-01	2.55E-01	9.28E-02	1.60E-02	1.13E-02	1.34E-03	1.29E-01	7.81E-02	1.97E-02	1.78E-03
HHR43	8.33E-01	7.26E-01	1.27E-01	2.91E-02	3.12E-02	4.29E-03	5.54E-01	3.36E-01	4.20E-02	4.55E-03
HHR44	9.90E-01	8.76E-01	1.62E-01	3.51E-02	3.86E-02	6.52E-03	5.89E-01	3.57E-01	4.14E-02	5.08E-03
HHR45	1.15E-01	8.85E-02	6.53E-02	3.16E-03	4.25E-03	3.56E-04	1.11E-01	6.70E-02	1.43E-02	1.51E-03
HHR46	1.99E-01	1.39E-01	8.66E-02	8.52E-03	9.50E-03	9.25E-04	2.49E-01	1.51E-01	4.15E-02	3.04E-03
HHR47	1.86E-01	1.57E-01	8.51E-02	1.03E-02	9.95E-03	1.11E-03	2.39E-01	1.45E-01	2.90E-02	3.75E-03
HHR48	2.33E-01	1.49E-01	8.65E-02	6.32E-03	5.37E-03	5.76E-04	1.06E-01	6.43E-02	1.79E-02	2.04E-03
HHR49	1.78E-01	1.23E-01	8.39E-02	7.62E-03	9.04E-03	8.36E-04	2.19E-01	1.33E-01	3.27E-02	2.90E-03
HHR50	1.94E-01	1.61E-01	8.82E-02	1.10E-02	1.01E-02	1.19E-03	3.35E-01	2.03E-01	3.13E-02	3.78E-03
HHR51	1.74E-01	1.05E-01	8.22E-02	6.43E-03	7.87E-03	7.05E-04	2.47E-01	1.50E-01	2.55E-02	2.98E-03
HHR52	1.15E+00	6.90E-01	1.14E-01	1.81E-02	1.32E-02	2.20E-03	2.40E-01	1.46E-01	2.81E-02	2.66E-03
HHR53	2.34E-01	1.88E-01	9.44E-02	1.22E-02	1.29E-02	1.37E-03	5.11E-01	3.09E-01	5.96E-02	5.46E-03
HHR54	7.92E-01	5.44E-01	9.79E-02	1.79E-02	1.36E-02	2.22E-03	3.19E-01	1.93E-01	3.08E-02	2.89E-03
HHR55	2.19E-01	1.76E-01	8.92E-02	1.09E-02	9.84E-03	1.24E-03	2.91E-01	1.77E-01	2.40E-02	3.10E-03
HHR56	3.66E-01	3.09E-01	9.64E-02	1.78E-02	1.49E-02	2.12E-03	2.77E-01	1.68E-01	3.13E-02	3.95E-03
HHR57	4.16E-01	3.47E-01	9.27E-02	1.81E-02	1.35E-02	1.77E-03	3.56E-01	2.16E-01	3.89E-02	4.78E-03
HHR58	1.50E-01	9.13E-02	7.84E-02	5.23E-03	5.22E-03	4.83E-04	2.49E-01	1.51E-01	2.84E-02	3.87E-03
HHR59	1.31E-01	8.88E-02	7.92E-02	5.27E-03	5.13E-03	4.93E-04	2.56E-01	1.55E-01	3.41E-02	3.97E-03
HHR60	1.50E-01	1.05E-01	8.03E-02	6.14E-03	6.20E-03	5.74E-04	3.14E-01	1.90E-01	3.80E-02	4.43E-03
HHR61	4.47E-01	3.47E-01	1.08E-01	2.66E-02	1.52E-02	2.37E-03	1.05E+00	6.38E-01	6.98E-02	8.23E-03
HHR62	4.46E-01	3.47E-01	1.16E-01	3.64E-02	2.56E-02	4.32E-03	1.10E+00	6.67E-01	1.21E-01	1.03E-02
HHR63	5.29E-01	3.62E-01	1.02E-01	2.75E-02	1.72E-02	2.59E-03	8.13E-01	4.92E-01	6.42E-02	6.86E-03
HHR64	5.41E-01	3.46E-01	1.04E-01	1.19E-02	1.45E-02	1.17E-03	1.14E-01	6.89E-02	2.03E-02	2.52E-03
HHR65	6.32E-01	4.50E-01	9.88E-02	2.50E-02	1.76E-02	2.60E-03	6.39E-01	3.87E-01	4.31E-02	5.18E-03

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR66	1.31E-01	7.87E-02	7.89E-02	5.86E-03	3.78E-03	5.90E-04	2.21E-01	1.34E-01	3.99E-02	4.60E-03
HHR67	1.36E-01	9.72E-02	7.98E-02	7.36E-03	4.82E-03	7.38E-04	3.39E-01	2.06E-01	4.57E-02	4.84E-03
HHR68	2.07E-01	1.34E-01	8.67E-02	1.09E-02	6.88E-03	1.00E-03	2.59E-01	1.57E-01	4.22E-02	4.73E-03
HHR69	1.85E-01	1.18E-01	8.05E-02	5.46E-03	4.43E-03	4.99E-04	9.54E-02	5.78E-02	1.87E-02	2.06E-03
HHR70	2.48E-01	1.55E-01	8.61E-02	6.46E-03	5.61E-03	5.83E-04	1.06E-01	6.42E-02	1.82E-02	2.14E-03
HHR71	1.31E+00	1.05E+00	1.77E-01	3.97E-02	4.46E-02	5.12E-03	1.28E-01	7.74E-02	1.88E-02	3.24E-03
HHR72	8.93E-02	4.22E-02	6.37E-02	3.55E-03	2.13E-03	3.69E-04	1.78E-01	1.08E-01	2.38E-02	3.06E-03
HHR73	3.83E-01	3.07E-01	9.23E-02	1.95E-02	1.08E-02	1.89E-03	3.65E-01	2.21E-01	3.52E-02	3.96E-03
HHR74	9.04E-01	6.93E-01	1.54E-01	3.73E-02	2.52E-02	4.09E-03	1.35E-01	8.20E-02	1.82E-02	3.18E-03
HHR75	1.22E+00	8.38E-01	1.53E-01	3.14E-02	2.51E-02	4.41E-03	2.78E-01	1.69E-01	3.21E-02	3.89E-03
HHR76	1.21E+00	9.83E-01	1.44E-01	4.20E-02	2.70E-02	4.42E-03	2.26E-01	1.37E-01	2.45E-02	3.16E-03
HHR77	9.44E-01	6.96E-01	2.43E-01	3.24E-02	3.60E-02	3.81E-03	1.41E-01	8.55E-02	2.48E-02	4.20E-03
HHR78	5.71E-01	4.08E-01	1.15E-01	1.93E-02	1.70E-02	1.87E-03	1.18E-01	7.17E-02	2.13E-02	2.84E-03
HHR79	8.45E-01	6.04E-01	1.44E-01	3.13E-02	2.24E-02	3.54E-03	1.24E-01	7.52E-02	1.95E-02	3.17E-03
HHR80	6.32E-01	4.52E-01	1.26E-01	2.25E-02	1.65E-02	2.33E-03	1.45E-01	8.81E-02	2.28E-02	2.56E-03
HHR81	4.49E-01	3.64E-01	1.03E-01	2.19E-02	1.24E-02	1.94E-03	1.50E-01	9.10E-02	2.05E-02	2.19E-03
HHR82	3.87E-01	3.30E-01	9.66E-02	2.06E-02	1.14E-02	1.77E-03	1.45E-01	8.76E-02	2.01E-02	2.07E-03
HHR83	4.48E-01	3.48E-01	1.04E-01	2.09E-02	1.23E-02	1.82E-03	1.43E-01	8.69E-02	1.96E-02	2.09E-03
MPOI	7.97E+00	5.05E+00	7.16E-01	9.31E-02	1.74E-01	2.53E-02	2.94E+00	1.78E+00	1.82E-01	2.33E-02

Table M2-11: Planned Developmen Case Criteria Air Contaminants Concentrations for Lewis Project

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR1	8.45E-01	5.48E-01	1.03E-01	2.88E-02	2.11E-02	3.09E-03	7.28E-01	4.41E-01	5.37E-02	5.01E-03
HHR2	8.42E-01	6.65E-01	1.35E-01	3.08E-02	2.32E-02	3.45E-03	5.47E-01	3.32E-01	6.54E-02	6.47E-03
HHR3	2.78E-01	1.29E-01	9.71E-02	8.89E-03	4.35E-03	9.08E-04	2.86E-01	1.73E-01	4.08E-02	4.77E-03
HHR4	9.45E-01	8.15E-01	1.37E-01	3.26E-02	3.87E-02	5.34E-03	5.35E-01	3.24E-01	4.01E-02	4.91E-03
HHR5	7.42E-01	5.97E-01	9.98E-02	2.72E-02	1.92E-02	2.98E-03	4.83E-01	2.93E-01	5.61E-02	5.99E-03
HHR6	4.09E-01	2.17E-01	8.98E-02	1.49E-02	9.20E-03	1.38E-03	1.95E-01	1.18E-01	2.93E-02	3.76E-03
HHR7	9.98E-02	7.11E-02	5.61E-02	2.82E-03	2.69E-03	3.11E-04	9.01E-02	5.46E-02	1.12E-02	2.45E-03
HHR8	1.20E+00	8.98E-01	1.24E-01	3.13E-02	3.18E-02	4.19E-03	4.72E-01	2.86E-01	3.54E-02	3.92E-03
HHR9	1.02E+00	7.25E-01	1.13E-01	3.00E-02	2.73E-02	3.58E-03	6.97E-01	4.22E-01	4.44E-02	4.01E-03
HHR10	4.12E-01	3.29E-01	8.44E-02	1.28E-02	1.15E-02	2.09E-03	1.52E-01	9.21E-02	2.16E-02	2.92E-03
HHR11	7.08E-01	5.90E-01	1.45E-01	2.77E-02	2.43E-02	3.08E-03	1.39E-01	8.42E-02	2.19E-02	3.40E-03
HHR12	1.46E+00	9.80E-01	1.58E-01	3.74E-02	3.59E-02	6.12E-03	3.24E-01	1.97E-01	3.44E-02	4.83E-03
HHR13	1.18E+00	9.24E-01	2.93E-01	4.14E-02	4.16E-02	5.32E-03	1.47E-01	8.89E-02	2.82E-02	5.01E-03
HHR14	6.57E-01	4.52E-01	1.04E-01	2.89E-02	1.87E-02	2.75E-03	7.78E-01	4.72E-01	6.64E-02	7.32E-03
HHR15	1.34E-01	5.64E-02	6.54E-02	3.78E-03	2.49E-03	4.12E-04	1.62E-01	9.81E-02	3.24E-02	3.29E-03
HHR16	3.58E-01	3.01E-01	9.02E-02	1.67E-02	1.10E-02	1.43E-03	1.24E-01	7.49E-02	2.02E-02	1.86E-03
HHR17	3.36E-01	2.24E-01	8.73E-02	8.97E-03	7.15E-03	8.00E-04	9.98E-02	6.05E-02	1.84E-02	1.99E-03
HHR18	9.29E-01	7.58E-01	1.51E-01	3.58E-02	2.51E-02	3.98E-03	1.37E-01	8.28E-02	1.90E-02	3.11E-03
HHR19	9.84E-01	7.41E-01	1.58E-01	3.60E-02	2.54E-02	4.04E-03	1.13E-01	6.85E-02	2.02E-02	3.60E-03
HHR20	1.07E+00	8.07E-01	1.68E-01	3.99E-02	2.80E-02	4.64E-03	1.19E-01	7.20E-02	1.93E-02	3.72E-03
HHR21	9.59E-01	7.67E-01	2.11E-01	3.41E-02	3.24E-02	4.11E-03	1.44E-01	8.72E-02	2.47E-02	4.10E-03
HHR22	5.30E-01	4.25E-01	1.01E-01	2.27E-02	1.41E-02	2.37E-03	3.47E-01	2.10E-01	2.78E-02	3.83E-03
HHR23	1.16E+00	8.50E-01	1.74E-01	3.81E-02	4.10E-02	6.59E-03	4.51E-01	2.73E-01	3.48E-02	5.07E-03
HHR24	1.25E+00	9.24E-01	1.60E-01	3.79E-02	3.85E-02	6.35E-03	3.94E-01	2.39E-01	3.43E-02	4.93E-03
HHR25	2.96E-01	1.94E-01	9.06E-02	1.51E-02	8.71E-03	1.36E-03	2.29E-01	1.39E-01	3.46E-02	4.88E-03
HHR26	1.90E-01	1.24E-01	8.33E-02	9.75E-03	5.24E-03	9.79E-04	2.87E-01	1.74E-01	3.98E-02	4.75E-03
HHR27	1.41E-01	1.02E-01	8.01E-02	7.90E-03	4.25E-03	7.90E-04	2.24E-01	1.36E-01	3.92E-02	4.88E-03
HHR28	2.01E-01	1.45E-01	7.47E-02	5.24E-03	6.58E-03	6.08E-04	1.53E-01	9.26E-02	2.14E-02	2.40E-03
HHR29	1.66E+00	1.29E+00	2.09E-01	4.19E-02	5.03E-02	7.83E-03	1.85E-01	1.12E-01	2.97E-02	5.10E-03
HHR30	5.46E-01	4.60E-01	8.84E-02	1.46E-02	1.65E-02	1.61E-03	3.29E-01	1.99E-01	3.65E-02	3.47E-03
HHR31	3.36E+00	2.66E+00	4.53E-01	7.60E-02	1.11E-01	1.90E-02	2.54E-01	1.54E-01	4.02E-02	7.60E-03
HHR32	2.56E+00	2.08E+00	3.59E-01	7.40E-02	8.01E-02	1.54E-02	2.64E-01	1.60E-01	4.40E-02	9.98E-03

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR33	4.40E+00	3.11E+00	3.97E-01	5.58E-02	8.80E-02	1.21E-02	2.84E-01	1.72E-01	4.75E-02	7.44E-03
HHR34	3.35E-01	2.88E-01	8.75E-02	1.64E-02	1.01E-02	1.41E-03	1.22E-01	7.41E-02	2.30E-02	1.87E-03
HHR35	2.37E+00	1.84E+00	3.58E-01	6.84E-02	7.33E-02	1.37E-02	2.18E-01	1.32E-01	4.21E-02	9.28E-03
HHR36	2.10E+00	1.60E+00	2.08E-01	4.15E-02	4.48E-02	7.21E-03	3.13E-01	1.90E-01	3.24E-02	5.15E-03
HHR37	7.44E-01	6.52E-01	1.32E-01	4.08E-02	2.62E-02	4.52E-03	6.73E-01	4.08E-01	5.36E-02	4.72E-03
HHR38	9.96E-01	7.35E-01	1.31E-01	3.53E-02	3.06E-02	5.06E-03	1.70E-01	1.03E-01	2.56E-02	4.09E-03
HHR39	3.37E-01	2.32E-01	8.76E-02	9.76E-03	7.71E-03	8.59E-04	1.07E-01	6.49E-02	1.96E-02	2.29E-03
HHR40	3.19E-01	2.15E-01	8.73E-02	8.81E-03	6.96E-03	7.88E-04	1.05E-01	6.39E-02	1.85E-02	2.10E-03
HHR41	4.20E-01	2.67E-01	9.00E-02	1.11E-02	8.70E-03	9.63E-04	9.26E-02	5.62E-02	1.83E-02	2.03E-03
HHR42	3.87E-01	3.22E-01	9.28E-02	1.76E-02	1.21E-02	1.51E-03	1.29E-01	7.82E-02	2.01E-02	1.94E-03
HHR43	8.68E-01	7.62E-01	1.28E-01	3.04E-02	3.25E-02	4.55E-03	5.54E-01	3.36E-01	4.24E-02	4.72E-03
HHR44	1.04E+00	9.08E-01	1.63E-01	3.63E-02	3.99E-02	6.79E-03	5.89E-01	3.57E-01	4.20E-02	5.26E-03
HHR45	1.56E-01	1.21E-01	7.16E-02	3.90E-03	5.34E-03	4.68E-04	1.39E-01	8.43E-02	1.66E-02	1.98E-03
HHR46	2.50E-01	2.16E-01	8.73E-02	1.00E-02	1.20E-02	1.23E-03	2.49E-01	1.51E-01	4.15E-02	3.86E-03
HHR47	2.57E-01	2.35E-01	8.61E-02	1.16E-02	1.22E-02	1.37E-03	2.39E-01	1.45E-01	2.91E-02	4.17E-03
HHR48	2.97E-01	1.98E-01	8.67E-02	8.32E-03	6.53E-03	7.47E-04	1.06E-01	6.44E-02	1.81E-02	2.18E-03
HHR49	2.53E-01	1.90E-01	8.66E-02	8.97E-03	1.15E-02	1.10E-03	2.22E-01	1.35E-01	3.27E-02	3.56E-03
HHR50	2.57E-01	2.37E-01	8.94E-02	1.22E-02	1.24E-02	1.44E-03	3.36E-01	2.04E-01	3.16E-02	4.15E-03
HHR51	2.02E-01	1.65E-01	8.64E-02	7.62E-03	1.01E-02	9.28E-04	2.47E-01	1.50E-01	2.71E-02	3.57E-03
HHR52	1.19E+00	7.31E-01	1.14E-01	1.94E-02	1.51E-02	2.47E-03	2.42E-01	1.47E-01	2.83E-02	2.87E-03
HHR53	3.25E-01	3.03E-01	9.49E-02	1.36E-02	1.61E-02	1.71E-03	5.11E-01	3.10E-01	5.97E-02	5.92E-03
HHR54	8.38E-01	5.90E-01	9.83E-02	1.93E-02	1.56E-02	2.50E-03	3.20E-01	1.94E-01	3.09E-02	3.10E-03
HHR55	2.69E-01	2.32E-01	8.96E-02	1.20E-02	1.19E-02	1.47E-03	2.92E-01	1.77E-01	2.44E-02	3.41E-03
HHR56	4.31E-01	3.86E-01	9.98E-02	1.91E-02	1.77E-02	2.41E-03	2.78E-01	1.68E-01	3.17E-02	4.20E-03
HHR57	4.71E-01	4.02E-01	9.29E-02	2.05E-02	1.51E-02	2.09E-03	3.56E-01	2.16E-01	3.91E-02	4.97E-03
HHR58	1.78E-01	1.39E-01	7.95E-02	6.24E-03	6.59E-03	6.03E-04	2.49E-01	1.51E-01	2.84E-02	4.11E-03
HHR59	1.76E-01	1.37E-01	8.16E-02	6.29E-03	6.46E-03	6.13E-04	2.56E-01	1.55E-01	3.41E-02	4.20E-03
HHR60	2.10E-01	1.64E-01	8.05E-02	7.29E-03	7.79E-03	7.05E-04	3.14E-01	1.90E-01	3.80E-02	4.65E-03
HHR61	4.96E-01	3.87E-01	1.08E-01	3.01E-02	1.73E-02	2.79E-03	1.05E+00	6.38E-01	6.99E-02	8.40E-03
HHR62	4.98E-01	3.97E-01	1.17E-01	3.86E-02	2.80E-02	4.72E-03	1.10E+00	6.67E-01	1.21E-01	1.05E-02
HHR63	5.66E-01	3.98E-01	1.02E-01	2.97E-02	1.94E-02	2.92E-03	8.13E-01	4.93E-01	6.44E-02	7.03E-03
HHR64	5.58E-01	3.90E-01	1.04E-01	1.39E-02	1.58E-02	1.36E-03	1.14E-01	6.89E-02	2.03E-02	2.68E-03
HHR65	6.67E-01	4.88E-01	1.00E-01	2.68E-02	1.96E-02	2.87E-03	6.39E-01	3.87E-01	4.35E-02	5.34E-03

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR66	1.37E-01	1.07E-01	8.27E-02	8.21E-03	4.49E-03	8.19E-04	2.23E-01	1.35E-01	4.07E-02	4.96E-03
HHR67	1.66E-01	1.29E-01	8.74E-02	1.03E-02	5.65E-03	1.01E-03	3.39E-01	2.06E-01	4.57E-02	5.20E-03
HHR68	2.24E-01	1.65E-01	8.68E-02	1.24E-02	7.75E-03	1.16E-03	2.59E-01	1.57E-01	4.23E-02	4.90E-03
HHR69	2.48E-01	1.60E-01	8.13E-02	7.07E-03	5.53E-03	6.44E-04	9.61E-02	5.82E-02	1.88E-02	2.20E-03
HHR70	2.95E-01	1.99E-01	8.63E-02	8.57E-03	6.76E-03	7.59E-04	1.06E-01	6.44E-02	1.85E-02	2.28E-03
HHR71	1.35E+00	1.09E+00	1.78E-01	4.13E-02	4.57E-02	5.39E-03	1.28E-01	7.75E-02	1.89E-02	3.37E-03
HHR72	9.77E-02	5.94E-02	6.92E-02	4.58E-03	2.61E-03	4.79E-04	1.78E-01	1.08E-01	2.39E-02	3.29E-03
HHR73	4.19E-01	3.28E-01	9.30E-02	2.09E-02	1.18E-02	2.09E-03	3.65E-01	2.21E-01	3.54E-02	4.12E-03
HHR74	9.44E-01	7.37E-01	1.54E-01	3.85E-02	2.60E-02	4.33E-03	1.36E-01	8.22E-02	1.83E-02	3.32E-03
HHR75	1.26E+00	8.80E-01	1.53E-01	3.27E-02	2.64E-02	4.66E-03	2.78E-01	1.69E-01	3.26E-02	4.06E-03
HHR76	1.23E+00	1.01E+00	1.44E-01	4.28E-02	2.79E-02	4.62E-03	2.27E-01	1.38E-01	2.50E-02	3.32E-03
HHR77	9.72E-01	7.14E-01	2.43E-01	3.34E-02	3.68E-02	3.98E-03	1.41E-01	8.56E-02	2.49E-02	4.35E-03
HHR78	6.13E-01	4.45E-01	1.15E-01	2.09E-02	1.82E-02	2.06E-03	1.18E-01	7.17E-02	2.13E-02	3.00E-03
HHR79	8.87E-01	6.48E-01	1.47E-01	3.23E-02	2.33E-02	3.75E-03	1.24E-01	7.53E-02	1.96E-02	3.32E-03
HHR80	6.79E-01	4.94E-01	1.27E-01	2.41E-02	1.76E-02	2.54E-03	1.45E-01	8.81E-02	2.34E-02	2.74E-03
HHR81	4.97E-01	4.05E-01	1.03E-01	2.32E-02	1.32E-02	2.13E-03	1.51E-01	9.17E-02	2.09E-02	2.33E-03
HHR82	4.37E-01	3.72E-01	9.67E-02	2.20E-02	1.22E-02	1.95E-03	1.46E-01	8.84E-02	2.08E-02	2.20E-03
HHR83	4.92E-01	3.97E-01	1.04E-01	2.23E-02	1.31E-02	2.00E-03	1.45E-01	8.77E-02	2.00E-02	2.22E-03
MPOI	8.02E+00	5.06E+00	7.16E-01	9.37E-02	1.76E-01	2.57E-02	2.94E+00	1.78E+00	1.83E-01	2.34E-02

Table M2-12: Project Alone Criteria Air Contaminants Concentrations for Lewis Project

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR1	2.52E-02	9.12E-03	5.82E-03	3.82E-05	1.54E-05	6.53E-07	6.78E-03	4.11E-03	7.49E-04	3.11E-05
HHR2	2.34E-02	1.17E-02	5.98E-03	3.78E-05	1.54E-05	6.48E-07	7.49E-03	4.54E-03	8.10E-04	3.04E-05
HHR3	4.01E-02	2.27E-02	1.29E-02	1.45E-04	2.39E-05	2.20E-06	1.17E-02	7.08E-03	1.46E-03	1.01E-04
HHR4	2.70E-02	1.22E-02	7.12E-03	3.68E-05	1.89E-05	6.78E-07	8.08E-03	4.90E-03	7.00E-04	3.17E-05
HHR5	3.89E-02	2.35E-02	1.18E-02	7.51E-05	2.81E-05	1.12E-06	1.01E-02	6.12E-03	1.55E-03	5.70E-05
HHR6	5.28E-02	2.16E-02	1.80E-02	1.93E-04	2.42E-05	2.65E-06	1.74E-02	1.05E-02	1.64E-03	1.31E-04
HHR7	1.66E-02	7.75E-03	3.84E-03	4.33E-05	9.48E-06	6.04E-07	3.58E-03	2.17E-03	4.33E-04	2.91E-05
HHR8	2.14E-02	9.23E-03	5.13E-03	5.08E-05	1.44E-05	7.07E-07	5.85E-03	3.54E-03	7.11E-04	3.56E-05
HHR9	2.21E-02	9.85E-03	5.29E-03	3.40E-05	1.59E-05	6.06E-07	5.75E-03	3.48E-03	6.36E-04	2.82E-05
HHR10	3.95E-02	1.54E-02	1.13E-02	4.68E-05	2.19E-05	8.26E-07	1.33E-02	8.07E-03	9.03E-04	3.92E-05
HHR11	2.14E-02	9.47E-03	4.52E-03	5.53E-05	2.02E-05	9.14E-07	4.72E-03	2.86E-03	8.20E-04	3.91E-05
HHR12	2.77E-02	1.39E-02	5.35E-03	5.29E-05	2.01E-05	7.82E-07	7.56E-03	4.58E-03	1.02E-03	3.85E-05
HHR13	2.22E-02	1.02E-02	5.08E-03	5.80E-05	2.18E-05	9.39E-07	5.03E-03	3.05E-03	9.05E-04	4.06E-05
HHR14	2.39E-02	1.21E-02	7.01E-03	5.00E-05	1.77E-05	7.56E-07	6.76E-03	4.10E-03	8.93E-04	3.84E-05
HHR15	3.68E-02	1.97E-02	1.10E-02	1.62E-04	3.13E-05	2.02E-06	1.10E-02	6.65E-03	1.83E-03	9.80E-05
HHR16	1.61E-02	8.75E-03	4.20E-03	5.45E-05	1.38E-05	8.64E-07	4.44E-03	2.69E-03	6.09E-04	3.94E-05
HHR17	2.08E-02	1.30E-02	3.62E-03	3.92E-05	1.54E-05	6.93E-07	4.84E-03	2.94E-03	5.12E-04	2.83E-05
HHR18	2.25E-02	9.43E-03	3.86E-03	4.91E-05	1.48E-05	8.55E-07	4.94E-03	3.00E-03	5.80E-04	3.61E-05
HHR19	2.08E-02	9.95E-03	5.99E-03	6.61E-05	1.57E-05	1.06E-06	5.29E-03	3.20E-03	6.23E-04	4.54E-05
HHR20	2.26E-02	1.01E-02	4.99E-03	5.66E-05	1.62E-05	9.56E-07	5.59E-03	3.39E-03	6.34E-04	4.02E-05
HHR21	2.21E-02	9.89E-03	4.94E-03	5.71E-05	2.12E-05	9.31E-07	4.92E-03	2.98E-03	8.72E-04	4.01E-05
HHR22	4.28E-02	1.53E-02	1.37E-02	5.88E-05	2.25E-05	9.42E-07	1.20E-02	7.26E-03	1.19E-03	4.67E-05
HHR23	2.49E-02	1.13E-02	6.90E-03	4.36E-05	1.88E-05	7.59E-07	6.35E-03	3.85E-03	6.91E-04	3.59E-05
HHR24	2.88E-02	1.37E-02	5.80E-03	4.86E-05	1.96E-05	7.66E-07	7.08E-03	4.29E-03	9.31E-04	3.75E-05
HHR25	3.16E-02	1.87E-02	1.20E-02	1.04E-04	3.51E-05	1.45E-06	8.65E-03	5.24E-03	1.68E-03	7.18E-05
HHR26	2.85E-02	1.12E-02	9.47E-03	1.23E-04	1.86E-05	1.71E-06	7.92E-03	4.80E-03	9.35E-04	7.79E-05
HHR27	2.14E-02	9.12E-03	7.28E-03	9.51E-05	1.40E-05	1.53E-06	6.13E-03	3.71E-03	8.16E-04	7.14E-05
HHR28	2.70E-02	1.09E-02	6.04E-03	5.96E-05	1.28E-05	9.25E-07	6.85E-03	4.15E-03	5.82E-04	4.66E-05
HHR29	7.18E-03	3.45E-03	2.05E-03	2.28E-05	4.73E-06	3.40E-07	1.57E-03	9.52E-04	2.18E-04	1.59E-05
HHR30	2.60E-02	1.46E-02	6.47E-03	4.47E-05	2.25E-05	7.72E-07	7.65E-03	4.63E-03	1.36E-03	3.60E-05
HHR31	6.53E-03	2.99E-03	2.09E-03	1.77E-05	4.55E-06	2.57E-07	1.54E-03	9.31E-04	2.28E-04	1.20E-05
HHR32	1.12E-02	5.03E-03	2.71E-03	3.40E-05	7.05E-06	4.89E-07	2.59E-03	1.57E-03	3.22E-04	2.36E-05

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR33	1.62E-02	7.11E-03	4.00E-03	4.72E-05	1.22E-05	6.57E-07	4.79E-03	2.91E-03	5.75E-04	3.28E-05
HHR34	1.54E-02	8.55E-03	3.96E-03	5.29E-05	1.32E-05	8.37E-07	4.32E-03	2.62E-03	5.45E-04	3.88E-05
HHR35	1.46E-02	6.50E-03	3.25E-03	4.27E-05	1.02E-05	6.15E-07	3.71E-03	2.25E-03	4.70E-04	3.05E-05
HHR36	2.58E-02	1.27E-02	4.86E-03	5.36E-05	1.92E-05	7.68E-07	7.15E-03	4.33E-03	1.00E-03	3.84E-05
HHR37	2.84E-02	1.67E-02	7.64E-03	4.91E-05	2.17E-05	8.20E-07	7.87E-03	4.77E-03	1.13E-03	3.95E-05
HHR38	1.50E-02	6.69E-03	3.26E-03	4.46E-05	1.07E-05	6.40E-07	3.48E-03	2.11E-03	4.73E-04	3.18E-05
HHR39	2.22E-02	1.33E-02	4.40E-03	4.37E-05	1.57E-05	7.57E-07	5.58E-03	3.38E-03	5.36E-04	3.12E-05
HHR40	2.12E-02	1.32E-02	4.19E-03	4.20E-05	1.56E-05	7.28E-07	5.11E-03	3.10E-03	5.21E-04	3.00E-05
HHR41	2.15E-02	1.31E-02	3.50E-03	3.99E-05	1.55E-05	7.00E-07	5.22E-03	3.16E-03	5.32E-04	2.89E-05
HHR42	1.68E-02	8.88E-03	4.19E-03	5.46E-05	1.39E-05	8.69E-07	4.46E-03	2.70E-03	6.21E-04	3.93E-05
HHR43	2.73E-02	1.14E-02	7.20E-03	3.84E-05	1.84E-05	6.83E-07	8.39E-03	5.09E-03	7.97E-04	3.22E-05
HHR44	3.09E-02	1.18E-02	7.71E-03	3.95E-05	1.79E-05	6.99E-07	9.36E-03	5.67E-03	7.63E-04	3.32E-05
HHR45	1.76E-02	8.66E-03	4.74E-03	7.17E-05	1.32E-05	1.10E-06	4.50E-03	2.73E-03	6.00E-04	5.42E-05
HHR46	4.52E-02	1.59E-02	1.26E-02	1.38E-04	2.14E-05	1.82E-06	1.30E-02	7.85E-03	1.36E-03	9.69E-05
HHR47	5.20E-02	2.07E-02	2.19E-02	1.28E-04	2.44E-05	1.67E-06	1.70E-02	1.03E-02	1.53E-03	8.67E-05
HHR48	2.12E-02	1.31E-02	4.53E-03	4.30E-05	1.55E-05	7.43E-07	5.15E-03	3.12E-03	5.16E-04	3.07E-05
HHR49	6.65E-02	2.22E-02	2.18E-02	2.05E-04	2.41E-05	2.51E-06	1.57E-02	9.53E-03	1.73E-03	1.36E-04
HHR50	1.09E-01	4.06E-02	3.12E-02	1.81E-04	4.80E-05	2.28E-06	3.17E-02	1.92E-02	3.06E-03	1.25E-04
HHR51	8.87E-02	5.20E-02	2.52E-02	5.05E-04	6.51E-05	5.44E-06	2.94E-02	1.78E-02	4.29E-03	2.99E-04
HHR52	3.62E-02	1.72E-02	1.44E-02	5.10E-05	2.35E-05	8.88E-07	1.10E-02	6.66E-03	1.12E-03	4.22E-05
HHR53	5.20E-02	2.57E-02	1.77E-02	1.36E-04	2.88E-05	1.75E-06	1.61E-02	9.77E-03	1.63E-03	9.11E-05
HHR54	4.57E-02	1.71E-02	1.39E-02	5.75E-05	2.28E-05	9.79E-07	1.25E-02	7.57E-03	1.01E-03	4.72E-05
HHR55	8.68E-02	4.76E-02	2.74E-02	2.18E-04	5.21E-05	2.56E-06	2.60E-02	1.57E-02	3.20E-03	1.40E-04
HHR56	3.86E-02	2.03E-02	1.28E-02	1.13E-04	2.41E-05	1.49E-06	1.04E-02	6.30E-03	1.43E-03	7.81E-05
HHR57	4.66E-02	2.05E-02	1.78E-02	8.82E-05	2.85E-05	1.30E-06	1.38E-02	8.34E-03	1.57E-03	6.58E-05
HHR58	7.75E-02	3.37E-02	2.34E-02	3.49E-04	4.72E-05	4.49E-06	2.77E-02	1.68E-02	2.31E-03	2.24E-04
HHR59	7.36E-02	3.73E-02	2.03E-02	3.13E-04	4.45E-05	4.11E-06	2.43E-02	1.47E-02	2.80E-03	2.01E-04
HHR60	5.65E-02	2.69E-02	1.72E-02	2.41E-04	3.72E-05	3.31E-06	1.92E-02	1.16E-02	1.70E-03	1.46E-04
HHR61	3.74E-02	2.09E-02	1.04E-02	1.02E-04	3.06E-05	1.38E-06	1.11E-02	6.70E-03	1.62E-03	7.08E-05
HHR62	3.87E-02	1.82E-02	1.23E-02	9.70E-05	2.53E-05	1.32E-06	9.80E-03	5.94E-03	1.28E-03	6.76E-05
HHR63	2.25E-02	1.09E-02	5.83E-03	5.16E-05	1.47E-05	7.69E-07	6.00E-03	3.64E-03	7.59E-04	3.85E-05
HHR64	2.00E-02	9.42E-03	5.74E-03	6.73E-05	1.52E-05	1.06E-06	4.91E-03	2.98E-03	6.25E-04	4.47E-05
HHR65	2.97E-02	1.24E-02	7.19E-03	4.97E-05	2.15E-05	7.67E-07	7.16E-03	4.34E-03	1.09E-03	3.82E-05

Receptor	CO Maximum 1-hour	CO Maximum 8-hour	NO_2 Maximum 1-hour	NO_2 Annual Average	$PM_{2.5}$ Maximum 24-hours	$PM_{2.5}$ Annual Average	SO_2 Maximum 10-minutes	SO_2 Maximum 1-hour	SO_2 Maximum 24-hour	SO_2 Annual Average
HHR66	3.24E-02	1.75E-02	9.75E-03	1.37E-04	2.22E-05	1.86E-06	9.56E-03	5.79E-03	1.04E-03	8.94E-05
HHR67	3.23E-02	1.46E-02	1.05E-02	1.47E-04	2.35E-05	2.09E-06	9.82E-03	5.95E-03	1.39E-03	9.18E-05
HHR68	2.57E-02	1.30E-02	7.05E-03	8.32E-05	2.22E-05	1.24E-06	6.27E-03	3.80E-03	9.31E-04	5.59E-05
HHR69	1.99E-02	1.24E-02	4.68E-03	4.27E-05	1.48E-05	7.32E-07	4.70E-03	2.85E-03	4.82E-04	3.05E-05
HHR70	2.20E-02	1.29E-02	4.77E-03	4.33E-05	1.53E-05	7.58E-07	5.42E-03	3.28E-03	5.18E-04	3.09E-05
HHR71	2.18E-02	9.82E-03	4.59E-03	5.37E-05	1.46E-05	9.09E-07	5.25E-03	3.18E-03	5.42E-04	3.86E-05
HHR72	3.21E-02	1.22E-02	8.69E-03	1.33E-04	1.84E-05	1.78E-06	8.26E-03	5.01E-03	8.07E-04	8.13E-05
HHR73	4.55E-02	1.59E-02	1.21E-02	6.71E-05	1.97E-05	1.03E-06	1.17E-02	7.11E-03	1.03E-03	5.11E-05
HHR74	2.21E-02	9.37E-03	3.91E-03	4.90E-05	1.52E-05	8.60E-07	5.03E-03	3.05E-03	5.78E-04	3.61E-05
HHR75	2.96E-02	1.39E-02	6.58E-03	5.41E-05	2.15E-05	8.11E-07	8.79E-03	5.33E-03	1.03E-03	3.94E-05
HHR76	5.73E-02	1.87E-02	1.55E-02	1.03E-04	2.45E-05	1.49E-06	1.64E-02	9.94E-03	1.37E-03	7.56E-05
HHR77	2.33E-02	1.09E-02	5.63E-03	6.36E-05	2.09E-05	1.01E-06	6.06E-03	3.67E-03	9.11E-04	4.50E-05
HHR78	2.06E-02	9.16E-03	6.53E-03	7.50E-05	1.57E-05	1.16E-06	5.19E-03	3.14E-03	6.58E-04	4.94E-05
HHR79	2.19E-02	9.73E-03	4.40E-03	5.27E-05	1.66E-05	9.13E-07	5.34E-03	3.24E-03	6.44E-04	3.82E-05
HHR80	1.54E-02	9.55E-03	3.61E-03	5.35E-05	1.23E-05	7.83E-07	4.13E-03	2.50E-03	6.42E-04	3.95E-05
HHR81	2.42E-02	1.02E-02	4.76E-03	5.72E-05	1.66E-05	9.19E-07	5.49E-03	3.33E-03	7.69E-04	4.11E-05
HHR82	2.18E-02	1.03E-02	5.09E-03	6.05E-05	1.72E-05	9.45E-07	5.68E-03	3.44E-03	8.15E-04	4.34E-05
HHR83	2.28E-02	9.96E-03	4.60E-03	5.72E-05	1.60E-05	9.14E-07	5.19E-03	3.14E-03	7.43E-04	4.10E-05
MPOI	8.95E-01	3.95E-01	1.05E-01	2.49E-03	2.04E-03	2.67E-04	3.43E-01	2.08E-01	2.97E-02	1.27E-03

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Appendix M3

Baseline Soil, Labrador Tea, Berries, Cat Tail, Fish and Surface Water Quality Data

The summary of inorganic and organic chemicals in the soil samples collected for the Lewis Project are summarized in Tables M3-1 and M3-2.

Table M3-1: Soil Chemistry Data for Inorganic Metals for the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Aluminum	mg/kg	5.0	47	No	9,580	1,186.53	1,531
Arsenic	mg/kg	0.5	47	No	6	2.91	2.424
Barium	mg/kg	1.0	47	No	157	32.19	41.09
Cadmium	mg/kg	0.2	47	No	0.3	0.25	0.207
Chromium	mg/kg	0.5	47	No	11.7	2.00	2.153
Cobalt	mg/kg	0.5	47	No	4.7	1.61	1.365
Copper	mg/kg	0.1	47	No	13.1	4.12	4.527
Lead	mg/kg	0.5	47	No	8.2	2.36	2.718
Manganese	mg/kg	0.5	47	No	780	144.13	213.4
Molybdenum	mg/kg	0.5	47	No	2.8	0.87	0.625
Nickel	mg/kg	0.5	47	No	8.1	2.99	3.075
Selenium	mg/kg	0.5	47	Yes	<0.5	n/a	0.25*
Silver	mg/kg	1.0	47	Yes	<1.0	n/a	0.05*
Vanadium	mg/kg	0.2	47	No	25.5	5.54	6.799
Zinc	mg/kg	0.5	47	No	54.6	17.94	24.18

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

Table M3-2: Soil Chemistry Data for Organic Chemicals for the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Acenaphthene	mg/kg	0.05	46	Yes	<0.05	n/a	0.025*
Acenaphthylene	mg/kg	0.05	46	Yes	<0.05	n/a	0.025*
Anthracene	mg/kg	0.0046	46	Yes	<0.0046	n/a	0.0023*
Benzo(a)anthracene	mg/kg	0.07	46	Yes	<0.07	n/a	0.035*
Benzo(a)pyrene	mg/kg	0.05	46	Yes	<0.05	n/a	0.025*
Benzo(b+j)fluoranthene	mg/kg	0.05	46	Yes	<0.05	n/a	0.025*
Benzo(g,h,i)perylene	mg/kg	0.1	46	Yes	<0.1	n/a	0.05*
Benzo(k)fluoranthene	mg/kg	0.05	46	Yes	<0.05	n/a	0.025*
Chrysene	mg/kg	0.05	46	Yes	<0.05	n/a	0.025*
Dibenzo(a,h)anthracene	mg/kg	0.1	46	Yes	<0.1	n/a	0.05*
Fluoranthene	mg/kg	0.032	46	Yes	<0.032	n/a	0.016*
Fluorene	mg/kg	0.05	46	Yes	<0.05	n/a	0.025*
Indeno(1,2,3-cd)pyrene	mg/kg	0.1	46	Yes	<0.1	n/a	0.05*
2-Methylnaphthalene	mg/kg	0.1	46	Yes	<0.1	n/a	0.05*
Naphthalene	mg/kg	0.013	46	Yes	<0.013	n/a	0.0065*
Phenanthrene	mg/kg	0.046	46	Yes	<0.046	n/a	0.023*
Pyrene	mg/kg	0.034	46	Yes	<0.034	n/a	0.017*

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

The baseline vegetation data for inorganic metals and organic COPCs are summarized in Tables M3-3 to M3-8.

Table M3-3: Concentration of Inorganic Chemicals in Leafy Plant Samples Collected in the Vicinity of the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Aluminum	mg/kg	5	24	No	229	98.54	116
Arsenic	mg/kg	0.05	24	No	0.066	0.07	0.05
Barium	mg/kg	0.5	24	No	130	83.97	88.77
Cadmium	mg/kg	0.02	24	Yes	<0.02	n/a	0.01*
Chromium	mg/kg	1	24	No	3.8	3.80	0.5
Cobalt	mg/kg	1	24	Yes	<1	n/a	0.5*
Copper	mg/kg	0.4	24	No	8.8	5.22	5.641
Lead	mg/kg	0.5	24	No	2	1.60	0.654
Manganese	mg/kg	0.5	24	No	1,670	995.13	1094
Molybdenum	mg/kg	0.02	24	No	0.13	0.06	0.0376
Nickel	mg/kg	2	24	No	3.7	2.65	2.253
Selenium	mg/kg	1	24	Yes	<1	n/a	0.5*
Silver	mg/kg	0.3	24	Yes	<0.3	n/a	0.15*
Strontium	mg/kg	0.4	24	Yes	<0.4	n/a	0.2*
Vanadium	mg/kg	0.6	24	Yes	<0.6	n/a	0.3*
Zinc	mg/kg	0.3	24	No	31.2	23.74	24.97

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

Table M3-4: Concentration of Organic Chemicals in Leafy Plant Samples Collected in the Vicinity of the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Acenaphthene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Acenaphthylene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Anthracene	mg/kg	0.046	22	Yes	<0.046	n/a	0.023*
Benzo(a)anthracene	mg/kg	0.7	22	Yes	<0.7	n/a	0.35*
Benzo(a)pyrene	mg/kg	0.50	22	Yes	<0.50	n/a	0.25*
Benzo(b,j,k)fluoranthene	mg/kg	1	22	Yes	<1	n/a	0.5*
Benzo(g,h,i)perylene	mg/kg	1	22	Yes	<1	n/a	0.5*
Chrysene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Dibenzo(a,h)anthracene	mg/kg	1	22	Yes	<1	n/a	0.5*
Fluoranthene	mg/kg	0.32	22	Yes	<0.32	n/a	0.16*
Fluorene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Indeno(1,2,3-cd)pyrene	mg/kg	1	22	Yes	<1	n/a	0.5*
Naphthalene	mg/kg	0.13	22	Yes	<0.13	n/a	0.065*
Phenanthrene	mg/kg	0.46	22	Yes	<0.46	n/a	0.23*
Pyrene	mg/kg	0.34	22	Yes	<0.34	n/a	0.17*

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

Table M3-5: Concentration of Inorganic Chemicals in Berry Samples Collected in the Vicinity of the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Aluminum	mg/kg	5	22	No	123	34.40	40.35
Arsenic	mg/kg	0.05	22	Yes	<0.05	n/a	0.025*
Barium	mg/kg	0.5	22	No	19	14.49	15.26
Cadmium	mg/kg	0.02	22	Yes	<0.02	n/a	0.01*
Chromium	mg/kg	1	22	Yes	<1	n/a	0.5*
Cobalt	mg/kg	1	22	Yes	<1	n/a	0.5*
Copper	mg/kg	0.4	22	No	4.7	4.25	4.36
Lead	mg/kg	0.5	22	No	2.5	1.55	1.14
Manganese	mg/kg	0.5	22	No	1,370	578.68	704.4
Molybdenum	mg/kg	0.02	22	No	0.26	0.11	0.083
Nickel	mg/kg	2	22	No	2.3	2.30	1
Selenium	mg/kg	1	22	Yes	<1	n/a	0.5*
Silver	mg/kg	0.3	22	Yes	<0.3	n/a	0.15*
Strontium	mg/kg	0.4	22	Yes	<0.4	n/a	0.2*
Vanadium	mg/kg	0.6	22	Yes	<0.6	n/a	0.3*
Zinc	mg/kg	0.3	22	No	9.1	7.73	7.97

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

Table M3-6: Concentration of Organic Chemicals in Berry Samples Collected in the Vicinity of the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Acenaphthene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Acenaphthylene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Anthracene	mg/kg	0.046	22	Yes	<0.046	n/a	0.023*
Benzo(a)anthracene	mg/kg	0.7	22	Yes	<0.7	n/a	0.35*
Benzo(a)pyrene	mg/kg	0.50	22	Yes	<0.50	n/a	0.25*
Benzo(b,j,k)fluoranthene	mg/kg	1	22	Yes	<1	n/a	0.5*
Benzo(g,h,i)perylene	mg/kg	1	22	Yes	<1	n/a	0.5*
Chrysene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Dibenzo(a,h)anthracene	mg/kg	1	22	Yes	<1	n/a	0.5*
Fluoranthene	mg/kg	0.32	22	Yes	<0.32	n/a	0.16*
Fluorene	mg/kg	0.5	22	Yes	<0.5	n/a	0.25*
Indeno(1,2,3-cd)pyrene	mg/kg	1	22	Yes	<1	n/a	0.5*
Naphthalene	mg/kg	0.13	22	Yes	<0.13	n/a	0.065*
Phenanthrene	mg/kg	0.46	22	Yes	<0.46	n/a	0.23*
Pyrene	mg/kg	0.34	22	Yes	<0.34	n/a	0.17*

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

Table M3-7: Concentration of Inorganic Chemicals in Plant Root Samples Collected in the Vicinity of the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Aluminum	mg/kg	5	24	No	418	125.45	168.7
Arsenic	mg/kg	0.05	24	No	3.22	0.44	0.92
Barium	mg/kg	0.5	24	No	20.9	10.52	12.12
Cadmium	mg/kg	0.02	24	Yes	<0.02	n/a	0.01*
Chromium	mg/kg	1	24	No	17.2	4.29	5.04
Cobalt	mg/kg	1	24	Yes	<1	n/a	0.5*
Copper	mg/kg	0.4	24	No	10.5	3.50	4.43
Lead	mg/kg	0.5	24	No	0.7	0.65	0.53
Manganese	mg/kg	0.5	24	No	344	122.91	149.6
Molybdenum	mg/kg	0.02	24	No	1.38	0.36	0.48
Nickel	mg/kg	2	24	No	15.1	6.15	5.73
Selenium	mg/kg	1	24	Yes	<1	n/a	0.5*
Silver	mg/kg	0.3	24	Yes	<0.3	n/a	0.15*
Strontium	mg/kg	0.4	24	Yes	<0.4	n/a	0.2*
Vanadium	mg/kg	0.6	24	No	3	1.50	0.92
Zinc	mg/kg	0.3	24	No	51	21.77	24.83

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

Table M3-8: Concentration of Organic Chemicals in Plant Root Samples Collected in the Vicinity of the Lewis Project

Parameter	Units	MDL	Number of Samples	All Below MDL	Max	Mean	95th UCL
Acenaphthene	mg/kg	0.5	24	Yes	<0.5	n/a	0.25*
Acenaphthylene	mg/kg	0.5	24	Yes	<0.5	n/a	0.25*
Anthracene	mg/kg	0.046	24	Yes	<0.046	n/a	0.023*
Benzo(a)anthracene	mg/kg	0.7	24	Yes	<0.7	n/a	0.35*
Benzo(a)pyrene	mg/kg	0.50	24	Yes	<0.50	n/a	0.25*
Benzo(b,j,k)fluoranthene	mg/kg	1	24	Yes	<1	n/a	0.5*
Benzo(g,h,i)perylene	mg/kg	1	24	Yes	<1	n/a	0.5*
Chrysene	mg/kg	0.5	24	Yes	<0.5	n/a	0.25*
Dibenzo(a,h)anthracene	mg/kg	1	24	Yes	<1	n/a	0.5*
Fluoranthene	mg/kg	0.32	24	Yes	<0.32	n/a	0.16*
Fluorene	mg/kg	0.5	24	Yes	<0.5	n/a	0.25*
Indeno(1,2,3-cd)pyrene	mg/kg	1	24	Yes	<1	n/a	0.5*
Naphthalene	mg/kg	0.13	24	Yes	<0.13	n/a	0.065*
Phenanthrene	mg/kg	0.46	24	Yes	<0.46	n/a	0.23*
Pyrene	mg/kg	0.34	24	Yes	<0.34	n/a	0.17*

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

The maximum, mean and 95th UCL concentrations for inorganic chemicals in surface water are summarized in Tables M3-9.

Table M3-9: Surface Water Quality Chemistry Data for Inorganic Chemicals for the Lewis Project

Parameter	Units	MDL	Number of Samples	Samples Below MDL	Max	Mean	95th UCL
Aluminum-T	mg/L	0.002	23	0	0.929	0.097	0.27
Arsenic-T	mg/L	0.0001	23	0	0.0022	0.00067	0.00083
Barium-T	mg/L	0.00005	23	0	0.0865	0.039	0.051
Cadmium-T	mg/L	0.000015	23	21	0.000025	0.000021	0.000016
Chromium-T	mg/L	0.0003	23	18	0.0017	0.00088	0.00058
Cobalt-T	mg/L	0.00002	23	0	0.0027	0.00029	0.00082
Copper-T	mg/L	0.0001	23	15	0.001	0.00044	0.00030
Lead-T	mg/L	0.00005	23	13	0.00117	0.00025	0.00017
Manganese-T	mg/L	0.00005	23	0	2.16	0.15	0.55
Molybdenum-T	mg/L	0.00005	23	0	0.0005	0.00024	0.00029
Nickel-T	mg/L	0.00005	23	0	0.00255	0.00053	0.00073
Selenium-T	mg/L	0.0001	23	23 (all)	<0.0001	n/a	0.000050*
Silver-T	mg/L	0.00005	23	23 (all)	<0.00005	n/a	0.000025*
Vanadium-T	mg/L	0.0001	23	5	0.0032	0.00060	0.0011
Zinc-T	mg/L	0.0005	23	8	0.0086	0.0024	0.0025

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

The maximum, mean and 95th UCL concentrations for organic chemicals in surface water are summarized in Tables M3-10.

Table M3-10: Surface Water Quality Chemistry Data for Organic Chemicals for the Lewis Project

Parameter	Units	MDL	Number of Samples	Samples Below MDL	Max	Mean	95th UCL
Acenaphthene	mg/L	0.00001	21	21 (all)	<0.00001	n/a	0.000005
Acenaphthylene	mg/L	0.00001	21	21 (all)	<0.00001	n/a	0.000005
Anthracene	mg/L	0.000007	21	21 (all)	<0.000007	n/a	3.5E-06
Benzo(a)anthracene	mg/L	0.000006	21	21 (all)	<0.000006	n/a	0.000003
Benzo(a)pyrene	mg/L	0.000005	21	21 (all)	<0.000005	n/a	2.5E-06
Benzo(g,h,i)perylene	mg/L	0.00002	21	21 (all)	<0.00002	n/a	0.00001
Chrysene	mg/L	0.00001	21	21 (all)	<0.00001	n/a	0.000005
Dibenzo(a,h)anthracene	mg/L	0.00002	21	21 (all)	<0.00002	n/a	0.00001
Fluoranthene	mg/L	0.00004	21	21 (all)	<0.00004	n/a	0.00002
Fluorene	mg/L	0.00002	21	21 (all)	<0.00002	n/a	0.00001
Indeno(1,2,3-cd)pyrene	mg/L	0.00002	21	21 (all)	<0.00002	n/a	0.00001
Naphthalene	mg/L	0.00007	21	21 (all)	<0.00007	n/a	0.000035
Phenanthrene	mg/L	0.00001	21	21 (all)	<0.00001	n/a	0.000005
Pyrene	mg/L	0.00002	21	21 (all)	<0.00002	n/a	0.00001
Benzo(b+j)fluoranthene	mg/L	0.00008	21	21 (all)	<0.00008	n/a	0.00004
Benzo(k)fluoranthene	mg/L	0.00008	21	21 (all)	<0.00008	n/a	0.00004

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

The maximum, mean and 95th UCLconcentrations for inorganic chemicals, and organic chemicals in fish tissue are summarized in Tables M3-11 and M3-12.

Table M3-11: Fish Tissue Concentration Data for Inorganic Chemicals for the Lewis Project

Parameter	Units	MDL	Number of Samples	Samples Below MDL	Max	Mean	95th UCL
Aluminium	mg/kg	2	12	11	2.2	2.2	1
Arsenic	mg/kg	0.02	12	4	0.054	0.025875	0.0282
Barium	mg/kg	0.02	12	0	3.27	1.135	2.741
Cadmium	mg/kg	0.06	12	12 (all)	<0.06	n/a	0.03*
Chromium	mg/kg	0.04	12	1	1.68	0.323364	0.889
Cobalt	mg/kg	0.02	12	11	0.024	0.024	0.01
Copper	mg/kg	0.04	12	0	1.51	0.6375	0.93
Lead	mg/kg	0.008	12	6	0.027	0.015033	0.0158
Manganese	mg/kg	0.02	12	0	12	3.4985	8.621
Molybdenum	mg/kg	0.02	12	7	0.16	0.0774	0.0764
Nickel	mg/kg	0.04	12	3	1.04	0.243889	0.54
Selenium	mg/kg	0.04	12	1	0.2	0.098182	0.114
Silver	mg/kg	0.05	12	12 (all)	<0.05	n/a	0.025*
Vanadium	mg/kg	0.01	12	9	0.056	0.026667	0.0223
Zinc	mg/kg	0.2	12	0	39.2	14.91583	33.92

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

Table M3-12: Fish Tissue Concentration Data for Organic Chemicals for the Lewis Project

Parameter	Units	MDL	Number of Samples	Samples Below MDL	Max	Mean	95th UCL
Acenaphthene	mg/kg	0.01	10	10	<0.01	n/a	0.005*
Anthracene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Benz(a)anthracene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Benzo(a)pyrene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Benzo(b&j)fluoranthene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Benzo(g,h,i)perylene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Benzo(k)fluoranthene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Chrysene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Dibenz(a,h)anthracene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Fluoranthene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Fluorene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Indeno(1,2,3-c,d)pyrene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Naphthalene	mg/kg	0.05	5	5	<0.05	n/a	0.025*
Phenanthrene	mg/kg	0.01	5	5	<0.01	n/a	0.005*
Pyrene	mg/kg	0.01	5	5	<0.01	n/a	0.005*

Notes:
MDL: Method Detection Limit.
n/a = Not applicable.
* Half of MDL used for modelling.

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Appendix M4

Average Daily Dose

Appendix M4.1

Average Daily Dose for
Non-Carcinogenic Multimedia Exposure

Table M4.1-1: Non-Carcinogenic Average Daily Dose for Aluminium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR2	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR3	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR4	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR5	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR6	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR7	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR8	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR9	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR10	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR11	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR12	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR13	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR14	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR15	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR17	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR18	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR19	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR20	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR21	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR22	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR23	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR24	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR25	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR26	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR27	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR28	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR29	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR30	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR31	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR33	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR34	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR35	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR36	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR37	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR38	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR39	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR40	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR41	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR42	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR43	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR44	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR45	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR46	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR47	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR49	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR50	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR51	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR52	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR53	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR54	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR55	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR56	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR57	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR58	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR59	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR60	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR61	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR62	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR63	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR65	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR66	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR67	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR68	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR69	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR70	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR71	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR72	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR73	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR74	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR75	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR76	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR77	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR78	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR79	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR81	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR82	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
HHR83	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
MPOI	Baseline	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	Application	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.16E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.44E-03	2.79E-02
	PDC	2.00E-03	3.68E-03	3.00E-04	n/a	1.07E-02	1.17E-04	3.79E-03	2.19E-03	1.61E-03	2.08E-03	5.49E-06	2.00E-06	1.59E-03	2.80E-02

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-2: Non-Carcinogenic Average Daily Dose for Arsenic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR2	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR3	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR4	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR5	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR6	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR7	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
HHR8	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR9	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR10	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR11	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR12	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR13	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR14	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR15	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR17	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR18	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR19	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR20	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR21	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR22	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR23	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR24	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR25	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR26	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR27	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR28	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR29	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.66E-05
HHR30	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR31	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR33	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR34	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR35	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR36	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR37	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR38	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR39	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR40	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR41	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR42	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR43	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR44	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR45	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR46	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR47	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR49	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR50	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR51	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR52	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR53	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR54	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR55	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR56	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR57	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR58	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR59	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR60	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR61	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR62	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR63	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR65	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR66	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR67	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR68	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR69	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR70	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR71	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR72	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR73	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR74	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR75	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR76	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR77	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR78	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR79	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR81	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR82	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
HHR83	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
MPOI	Baseline	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.05E-05	9.65E-05
	Application	3.17E-06	1.75E-07	4.76E-07	n/a	3.24E-05	3.54E-07	1.63E-06	1.36E-06	8.79E-06	7.61E-06	1.73E-08	3.83E-09	4.06E-05	9.65E-05
	PDC	3.17E-06	1.75E-07	4.76E-07	n/a	3.27E-05	3.57E-07	1.64E-06	1.36E-06	8.79E-06	7.62E-06	1.74E-08	3.83E-09	4.19E-05	9.82E-05

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-3: Non-Carcinogenic Average Daily Dose for Barium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR2	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR3	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR4	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR5	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR6	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR7	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR8	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR9	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR10	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR11	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR12	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR13	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR14	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR15	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR17	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR18	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR19	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR20	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR21	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR22	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR23	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR24	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR25	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR26	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR27	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR28	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR29	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR30	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR31	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR33	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR34	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR35	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR36	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR37	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR38	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR39	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR40	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR41	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR42	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR43	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR44	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR45	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR46	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR47	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR49	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR50	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR51	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR52	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR53	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR54	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR55	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR56	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR57	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR58	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR59	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR60	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR61	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR62	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR63	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR65	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR66	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR67	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR68	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR69	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR70	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR71	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR72	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR73	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR74	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR75	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR76	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR77	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR78	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR79	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR81	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR82	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
HHR83	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
MPOI	Baseline	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	Application	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03
	PDC	5.37E-05	9.88E-06	8.06E-06	n/a	1.98E-03	2.17E-05	2.90E-03	8.27E-04	1.16E-04	5.92E-05	1.11E-07	2.38E-08	3.94E-03	9.92E-03

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-4: Non-Carcinogenic Average Daily Dose for Cadmium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR2	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.34E-07	6.93E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.52E-05
HHR3	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR4	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR5	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.34E-07	6.93E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.52E-05
HHR6	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR7	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR8	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR9	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR10	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR11	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR12	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR13	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR14	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR15	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR17	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR18	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR19	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR20	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR21	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR22	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR23	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR24	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR25	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR26	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR27	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR28	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR29	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR30	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR31	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR33	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR34	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR35	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR36	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR37	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.44E-07	7.04E-09	3.27E-07	5.43E-07	9.56E-08	1.70E-08	4.95E-11	2.07E-11	4.35E-05	4.55E-05
HHR38	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR39	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR40	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR41	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR42	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR43	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR44	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR45	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR46	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR47	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR49	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR50	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR51	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR52	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR53	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR54	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR55	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR56	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR57	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR58	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR59	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR60	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR61	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR62	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR63	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR65	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR66	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR67	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR68	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR69	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR70	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR71	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR72	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
HHR73	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR74	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR75	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR76	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR77	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR78	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR79	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR81	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR82	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
HHR83	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.32E-07	6.91E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05
MPOI	Baseline	2.71E-07	4.98E-09	4.06E-08	n/a	6.31E-07	6.90E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.31E-05	4.51E-05
	Application	2.71E-07	4.98E-09	4.06E-08	n/a	6.36E-07	6.95E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.33E-05	4.52E-05
	PDC	2.71E-07	4.98E-09	4.06E-08	n/a	6.33E-07	6.92E-09	3.26E-07	5.42E-07	9.56E-08	1.69E-08	4.94E-11	2.07E-11	4.32E-05	4.51E-05

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-5: Non-Carcinogenic Average Daily Dose for Chromium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR2	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR3	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR4	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR5	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR6	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR7	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR8	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR9	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR10	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR11	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR12	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR13	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR14	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR15	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR17	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR18	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR19	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR20	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR21	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR22	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR23	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR24	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR25	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR26	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR27	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR28	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR29	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR30	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR31	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR33	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR34	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR35	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR36	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR37	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR38	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR39	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR40	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR41	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR42	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR43	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR44	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR45	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR46	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR47	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR49	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR50	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR51	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR52	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR53	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR54	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR55	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR56	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR57	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR58	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR59	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR60	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR61	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR62	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR63	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR65	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR66	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR67	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR68	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR69	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR70	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR71	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR72	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR73	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR74	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR75	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR76	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR77	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR78	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR79	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR81	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR82	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
HHR83	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
MPOI	Baseline	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	Application	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03
	PDC	2.81E-06	5.18E-07	4.22E-07	n/a	2.27E-05	2.48E-07	1.63E-05	2.71E-05	4.82E-05	1.13E-04	2.11E-07	1.33E-08	1.28E-03	1.51E-03

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-6: Non-Carcinogenic Average Daily Dose for Cobalt

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR2	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR3	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR4	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR5	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR6	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR7	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR8	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR9	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR10	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR11	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR12	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR13	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR14	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR15	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR17	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR18	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR19	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR20	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR21	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR22	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR23	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR24	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR25	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR26	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR27	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR28	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR29	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR30	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR31	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR33	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR34	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR35	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR36	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR37	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR38	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR39	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR40	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR41	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR42	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR43	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR44	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR45	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR46	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR47	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR49	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR50	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR51	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR52	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR53	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR54	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR55	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR56	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR57	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR58	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR59	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR60	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR61	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR62	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR63	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR65	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR66	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR67	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR68	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR69	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR70	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR71	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR72	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR73	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR74	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR75	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR76	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR77	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR78	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR79	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR81	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR82	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
HHR83	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
MPOI	Baseline	1.78E-06	3.28E-06	2.68E-07	n/a	3.22E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.44E-05	2.06E-04
	Application	1.78E-06	3.28E-06	2.68E-07	n/a	3.23E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.55E-05	2.07E-04
	PDC	1.78E-06	3.28E-06	2.68E-07	n/a	3.23E-05	1.41E-07	1.63E-05	2.71E-05	4.78E-06	1.05E-04	2.10E-07	3.66E-08	1.52E-05	2.07E-04

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-7: Non-Carcinogenic Average Daily Dose for Copper

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR2	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR3	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR4	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR5	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR6	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR7	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR8	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR9	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR10	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR11	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR12	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR13	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR14	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR15	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR17	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR18	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR19	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR20	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR21	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR22	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR23	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR24	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR25	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR26	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR27	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR28	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR29	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.54E-07	8.89E-07	n/a	1.22E-05	1.33E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.10E-07	1.21E-07	1.34E-03	2.31E-03
HHR30	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR31	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.54E-07	8.89E-07	n/a	1.21E-05	1.32E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.10E-07	1.21E-07	1.34E-03	2.31E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.54E-07	8.89E-07	n/a	1.21E-05	1.32E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR33	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR34	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR35	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.54E-07	8.89E-07	n/a	1.21E-05	1.32E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR36	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR37	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR38	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.54E-07	8.89E-07	n/a	1.21E-05	1.32E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.10E-07	1.21E-07	1.34E-03	2.31E-03
HHR39	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR40	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR41	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR42	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR43	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR44	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR45	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR46	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR47	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR49	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR50	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR51	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR52	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR53	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR54	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR55	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR56	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR57	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR58	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR59	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR60	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR61	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR62	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR63	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR65	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR66	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR67	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR68	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR69	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR70	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR71	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR72	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR73	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR74	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR75	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR76	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR77	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR78	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR79	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR81	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR82	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
HHR83	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
MPOI	Baseline	5.92E-06	6.53E-07	8.88E-07	n/a	1.19E-05	1.30E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	Application	5.92E-06	6.53E-07	8.88E-07	n/a	1.20E-05	1.31E-07	1.84E-04	2.36E-04	4.23E-05	4.88E-04	9.09E-07	1.21E-07	1.34E-03	2.31E-03
	PDC	6.04E-06	6.66E-07	9.06E-07	n/a	1.88E-05	2.06E-07	1.85E-04	2.38E-04	4.25E-05	5.07E-04	9.45E-07	1.22E-07	1.39E-03	2.39E-03

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-8: Non-Carcinogenic Average Daily Dose for Manganese

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR2	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR3	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR4	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR5	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR6	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR7	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR8	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR9	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR10	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR11	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR12	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR13	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR14	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR15	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR17	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR18	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR19	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR20	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR21	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR22	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR23	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR24	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR25	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR26	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR27	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR28	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR29	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR30	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR31	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR33	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR34	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR35	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR36	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR37	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR38	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR39	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR40	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR41	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR42	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR43	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR44	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR45	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR46	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR47	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR49	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR50	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR51	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR52	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR53	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR54	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR55	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR56	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR57	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR58	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR59	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR60	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR61	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR62	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR63	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR65	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR66	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR67	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR68	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR69	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR70	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR71	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR72	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR73	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR74	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR75	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR76	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR77	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR78	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR79	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR81	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR82	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
HHR83	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
MPOI	Baseline	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	Application	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01
	PDC	2.79E-04	5.13E-04	4.19E-05	n/a	2.16E-02	2.36E-04	3.57E-02	3.82E-02	1.43E-03	2.61E-03	4.74E-06	7.30E-07	1.24E-02	1.13E-01

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-9: Non-Carcinogenic Average Daily Dose for Molybdenum

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR2	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR3	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR4	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR5	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR6	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR7	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR8	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR9	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR10	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR11	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR12	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR13	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR14	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR15	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR17	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR18	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR19	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR20	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR21	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR22	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR23	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR24	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR25	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR26	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR27	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR28	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR29	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR30	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR31	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR33	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR34	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR35	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR36	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR37	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR38	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR39	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR40	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR41	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR42	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR43	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR44	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR45	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR46	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR47	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR49	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR50	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR51	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR52	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR53	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR54	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR55	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR56	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR57	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR58	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR59	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR60	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR61	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR62	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR63	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR65	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR66	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR67	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR68	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR69	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR70	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR71	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR72	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR73	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR74	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR75	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR76	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR77	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR78	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR79	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR81	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR82	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
HHR83	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
MPOI	Baseline	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	Application	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04
	PDC	8.17E-07	1.50E-08	1.23E-07	n/a	1.15E-05	1.26E-07	1.23E-06	4.48E-06	4.60E-06	2.13E-06	4.29E-09	5.43E-10	1.10E-04	1.35E-04

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-10: Non-Carcinogenic Average Daily Dose for Nickel

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR2	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR3	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR4	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR5	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR6	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR7	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR8	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR9	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR10	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR11	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR12	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR13	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR14	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR15	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR17	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR18	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR19	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR20	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR21	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR22	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR23	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR24	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR25	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR26	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR27	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR28	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR29	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR30	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR31	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR33	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR34	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR35	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR36	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR37	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR38	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR39	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR40	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR41	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR42	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR43	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR44	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR45	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR46	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR47	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR49	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR50	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR51	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR52	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR53	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR54	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR55	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR56	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR57	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR58	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR59	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR60	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR61	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR62	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR63	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR65	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR66	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR67	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.28E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR68	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR69	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR70	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR71	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR72	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR73	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR74	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR75	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR76	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR77	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR78	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR79	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR81	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR82	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
HHR83	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
MPOI	Baseline	4.02E-06	6.73E-07	6.03E-07	n/a	2.87E-05	6.27E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.76E-04	1.18E-03
	Application	4.02E-06	6.73E-07	6.03E-07	n/a	2.89E-05	6.31E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.77E-04	1.18E-03
	PDC	4.02E-06	6.73E-07	6.03E-07	n/a	2.88E-05	6.29E-08	7.35E-05	5.42E-05	5.48E-05	1.83E-04	3.42E-07	3.40E-08	7.77E-04	1.18E-03

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-11: Non-Carcinogenic Average Daily Dose for Selenium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR2	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR3	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR4	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR5	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR6	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR7	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR8	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR9	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR10	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR11	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR12	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR13	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR14	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR15	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR17	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR18	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR19	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR20	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR21	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR22	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR23	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR24	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR25	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR26	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR27	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR28	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR29	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR30	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR31	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR33	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR34	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR35	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR36	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR37	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR38	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR39	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR40	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR41	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR42	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR43	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR44	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR45	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR46	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR47	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR49	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR50	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR51	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR52	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR53	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR54	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR55	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR56	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR57	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR58	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR59	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR60	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR61	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR62	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR63	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR65	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR66	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR67	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR68	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR69	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR70	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR71	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR72	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR73	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR74	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR75	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR76	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR77	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR78	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR79	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR81	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR82	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
HHR83	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
MPOI	Baseline	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.14E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	Application	3.27E-07	6.01E-09	4.91E-08	n/a	1.98E-06	2.16E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04
	PDC	3.27E-07	6.01E-09	4.91E-08	n/a	1.96E-06	2.15E-08	1.63E-05	2.71E-05	4.78E-06	1.14E-05	2.08E-08	2.22E-09	1.64E-04	2.26E-04

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-12: Non-Carcinogenic Average Daily Dose for Silver

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR2	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.84E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR3	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR4	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR5	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.84E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR6	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR7	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR8	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR9	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR10	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR11	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR12	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR13	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR14	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR15	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR17	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR18	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR19	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR20	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR21	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR22	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR23	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR24	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR25	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR26	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR27	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR28	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR29	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.84E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR30	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR31	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR33	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR34	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR35	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR36	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR37	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	1.00E-06	6.56E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR38	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR39	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR40	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR41	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR42	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR43	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR44	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR45	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR46	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR47	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR49	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR50	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR51	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR52	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR53	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR54	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR55	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR56	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR57	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR58	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR59	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR60	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR61	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR62	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR63	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR65	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR66	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR67	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR68	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR69	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR70	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR71	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR72	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR73	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR74	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR75	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR76	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR77	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR78	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR79	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR81	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR82	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
HHR83	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.82E-07	6.44E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
MPOI	Baseline	6.54E-08	1.20E-07	9.81E-09	n/a	9.80E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	Application	6.54E-08	1.20E-07	9.81E-09	n/a	9.81E-07	6.43E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05
	PDC	6.54E-08	1.20E-07	9.81E-09	n/a	9.83E-07	6.45E-09	4.90E-06	8.13E-06	1.43E-06	4.51E-06	8.20E-09	8.27E-10	3.59E-05	5.61E-05

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-13: Non-Carcinogenic Average Daily Dose for Strontium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.04E-13	3.75E-13	3.06E-14	n/a	1.22E-10	1.33E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.52E-08	1.95E-05
	Application	2.11E-13	3.89E-13	3.17E-14	n/a	1.26E-10	1.38E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.57E-08	1.95E-05
	PDC	3.33E-13	6.12E-13	5.00E-14	n/a	1.99E-10	2.17E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.48E-08	1.95E-05
HHR2	Baseline	2.98E-13	5.48E-13	4.47E-14	n/a	1.78E-10	1.94E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.22E-08	1.95E-05
	Application	3.08E-13	5.66E-13	4.62E-14	n/a	1.84E-10	2.01E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.29E-08	1.95E-05
	PDC	4.02E-13	7.40E-13	6.04E-14	n/a	2.40E-10	2.62E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.99E-08	1.95E-05
HHR3	Baseline	1.92E-13	3.53E-13	2.88E-14	n/a	1.14E-10	1.25E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.43E-08	1.95E-05
	Application	2.07E-13	3.81E-13	3.11E-14	n/a	1.24E-10	1.35E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.54E-08	1.95E-05
	PDC	2.98E-13	5.48E-13	4.47E-14	n/a	1.78E-10	1.94E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.22E-08	1.95E-05
HHR4	Baseline	1.85E-13	3.40E-13	2.77E-14	n/a	1.10E-10	1.20E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.37E-08	1.95E-05
	Application	1.95E-13	3.59E-13	2.93E-14	n/a	1.17E-10	1.27E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.45E-08	1.95E-05
	PDC	3.28E-13	6.03E-13	4.92E-14	n/a	1.96E-10	2.14E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.44E-08	1.95E-05
HHR5	Baseline	4.04E-13	7.44E-13	6.07E-14	n/a	2.41E-10	2.64E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.01E-08	1.95E-05
	Application	4.15E-13	7.63E-13	6.23E-14	n/a	2.48E-10	2.71E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.09E-08	1.95E-05
	PDC	5.00E-13	9.20E-13	7.51E-14	n/a	2.99E-10	3.26E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.72E-08	1.95E-05
HHR6	Baseline	1.99E-13	3.66E-13	2.98E-14	n/a	1.19E-10	1.30E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.48E-08	1.95E-05
	Application	2.15E-13	3.95E-13	3.22E-14	n/a	1.28E-10	1.40E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.60E-08	1.95E-05
	PDC	3.06E-13	5.63E-13	4.59E-14	n/a	1.83E-10	2.00E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.28E-08	1.95E-05
HHR7	Baseline	7.39E-14	1.36E-13	1.11E-14	n/a	4.41E-11	4.82E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	5.50E-09	1.95E-05
	Application	7.84E-14	1.44E-13	1.18E-14	n/a	4.68E-11	5.11E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	5.83E-09	1.95E-05
	PDC	1.13E-13	2.09E-13	1.70E-14	n/a	6.76E-11	7.39E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.43E-09	1.95E-05
HHR8	Baseline	1.69E-13	3.11E-13	2.54E-14	n/a	1.01E-10	1.10E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.26E-08	1.95E-05
	Application	1.77E-13	3.26E-13	2.66E-14	n/a	1.06E-10	1.15E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.32E-08	1.95E-05
	PDC	3.83E-13	7.05E-13	5.75E-14	n/a	2.29E-10	2.50E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.85E-08	1.95E-05
HHR9	Baseline	1.83E-13	3.37E-13	2.75E-14	n/a	1.09E-10	1.20E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.36E-08	1.95E-05
	Application	1.91E-13	3.52E-13	2.87E-14	n/a	1.14E-10	1.25E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.42E-08	1.95E-05
	PDC	3.60E-13	6.62E-13	5.40E-14	n/a	2.15E-10	2.35E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.68E-08	1.95E-05
HHR10	Baseline	4.76E-13	8.76E-13	7.14E-14	n/a	2.84E-10	3.10E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.54E-08	1.95E-05
	Application	4.84E-13	8.90E-13	7.26E-14	n/a	2.89E-10	3.16E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.60E-08	1.95E-05
	PDC	5.83E-13	1.07E-12	8.75E-14	n/a	3.48E-10	3.80E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	4.34E-08	1.95E-05
HHR11	Baseline	1.88E-13	3.47E-13	2.83E-14	n/a	1.12E-10	1.23E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.40E-08	1.95E-05
	Application	1.99E-13	3.65E-13	2.98E-14	n/a	1.19E-10	1.30E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.48E-08	1.95E-05
	PDC	2.72E-13	5.01E-13	4.09E-14	n/a	1.62E-10	1.78E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.03E-08	1.95E-05
HHR12	Baseline	1.95E-13	3.60E-13	2.93E-14	n/a	1.17E-10	1.28E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.45E-08	1.95E-05
	Application	2.05E-13	3.78E-13	3.08E-14	n/a	1.23E-10	1.34E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.53E-08	1.95E-05
	PDC	3.87E-13	7.13E-13	5.82E-14	n/a	2.31E-10	2.53E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.88E-08	1.95E-05
HHR13	Baseline	1.92E-13	3.54E-13	2.89E-14	n/a	1.15E-10	1.26E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.43E-08	1.95E-05
	Application	2.03E-13	3.74E-13	3.05E-14	n/a	1.21E-10	1.33E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.51E-08	1.95E-05
	PDC	2.76E-13	5.08E-13	4.14E-14	n/a	1.65E-10	1.80E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.05E-08	1.95E-05
HHR14	Baseline	2.33E-13	4.29E-13	3.50E-14	n/a	1.39E-10	1.52E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.74E-08	1.95E-05
	Application	2.44E-13	4.50E-13	3.67E-14	n/a	1.46E-10	1.59E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.82E-08	1.95E-05
	PDC	3.25E-13	5.98E-13	4.88E-14	n/a	1.94E-10	2.12E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.42E-08	1.95E-05
HHR15	Baseline	1.01E-13	1.85E-13	1.51E-14	n/a	6.00E-11	6.56E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	7.48E-09	1.95E-05
	Application	1.18E-13	2.16E-13	1.77E-14	n/a	7.02E-11	7.67E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.75E-09	1.95E-05
	PDC	1.61E-13	2.97E-13	2.42E-14	n/a	9.63E-11	1.05E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.20E-08	1.95E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	1.18E-13	2.17E-13	1.77E-14	n/a	7.05E-11	7.70E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.79E-09	1.95E-05
	Application	1.24E-13	2.29E-13	1.87E-14	n/a	7.42E-11	8.11E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.25E-09	1.95E-05
	PDC	2.87E-13	5.27E-13	4.30E-14	n/a	1.71E-10	1.87E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.13E-08	1.95E-05
HHR17	Baseline	1.36E-13	2.51E-13	2.05E-14	n/a	8.13E-11	8.89E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.01E-08	1.95E-05
	Application	1.42E-13	2.62E-13	2.13E-14	n/a	8.49E-11	9.27E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.06E-08	1.95E-05
	PDC	1.98E-13	3.64E-13	2.97E-14	n/a	1.18E-10	1.29E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.47E-08	1.95E-05
HHR18	Baseline	1.63E-13	2.99E-13	2.44E-14	n/a	9.71E-11	1.06E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.21E-08	1.95E-05
	Application	1.70E-13	3.13E-13	2.55E-14	n/a	1.02E-10	1.11E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.27E-08	1.95E-05
	PDC	2.55E-13	4.69E-13	3.83E-14	n/a	1.52E-10	1.66E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.90E-08	1.95E-05
HHR19	Baseline	2.48E-13	4.57E-13	3.73E-14	n/a	1.48E-10	1.62E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.85E-08	1.95E-05
	Application	2.58E-13	4.74E-13	3.87E-14	n/a	1.54E-10	1.68E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.92E-08	1.95E-05
	PDC	3.31E-13	6.10E-13	4.97E-14	n/a	1.98E-10	2.16E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.47E-08	1.95E-05
HHR20	Baseline	2.03E-13	3.73E-13	3.04E-14	n/a	1.21E-10	1.32E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.51E-08	1.95E-05
	Application	2.11E-13	3.89E-13	3.17E-14	n/a	1.26E-10	1.38E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.57E-08	1.95E-05
	PDC	2.88E-13	5.30E-13	4.32E-14	n/a	1.72E-10	1.88E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.14E-08	1.95E-05
HHR21	Baseline	1.92E-13	3.53E-13	2.88E-14	n/a	1.15E-10	1.25E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.43E-08	1.95E-05
	Application	2.03E-13	3.73E-13	3.04E-14	n/a	1.21E-10	1.32E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.51E-08	1.95E-05
	PDC	2.76E-13	5.08E-13	4.14E-14	n/a	1.65E-10	1.80E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.05E-08	1.95E-05
HHR22	Baseline	1.93E-13	3.54E-13	2.89E-14	n/a	1.15E-10	1.26E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.43E-08	1.95E-05
	Application	2.09E-13	3.85E-13	3.14E-14	n/a	1.25E-10	1.37E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.56E-08	1.95E-05
	PDC	2.87E-13	5.27E-13	4.30E-14	n/a	1.71E-10	1.87E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.13E-08	1.95E-05
HHR23	Baseline	1.86E-13	3.42E-13	2.79E-14	n/a	1.11E-10	1.21E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.38E-08	1.95E-05
	Application	1.96E-13	3.60E-13	2.94E-14	n/a	1.17E-10	1.28E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.46E-08	1.95E-05
	PDC	3.63E-13	6.68E-13	5.45E-14	n/a	2.17E-10	2.37E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.70E-08	1.95E-05
HHR24	Baseline	2.16E-13	3.97E-13	3.24E-14	n/a	1.29E-10	1.41E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.61E-08	1.95E-05
	Application	2.26E-13	4.16E-13	3.39E-14	n/a	1.35E-10	1.47E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.68E-08	1.95E-05
	PDC	4.05E-13	7.46E-13	6.08E-14	n/a	2.42E-10	2.64E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.02E-08	1.95E-05
HHR25	Baseline	1.77E-13	3.26E-13	2.66E-14	n/a	1.06E-10	1.15E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.32E-08	1.95E-05
	Application	1.97E-13	3.63E-13	2.96E-14	n/a	1.18E-10	1.29E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.47E-08	1.95E-05
	PDC	2.55E-13	4.69E-13	3.83E-14	n/a	1.52E-10	1.66E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.90E-08	1.95E-05
HHR26	Baseline	1.93E-13	3.55E-13	2.90E-14	n/a	1.15E-10	1.26E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.44E-08	1.95E-05
	Application	2.23E-13	4.09E-13	3.34E-14	n/a	1.33E-10	1.45E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.66E-08	1.95E-05
	PDC	3.15E-13	5.80E-13	4.73E-14	n/a	1.88E-10	2.06E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.35E-08	1.95E-05
HHR27	Baseline	1.62E-13	2.97E-13	2.43E-14	n/a	9.65E-11	1.05E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.20E-08	1.95E-05
	Application	1.88E-13	3.45E-13	2.82E-14	n/a	1.12E-10	1.22E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.40E-08	1.95E-05
	PDC	2.80E-13	5.14E-13	4.20E-14	n/a	1.67E-10	1.82E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.08E-08	1.95E-05
HHR28	Baseline	9.32E-14	1.71E-13	1.40E-14	n/a	5.56E-11	6.08E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	6.93E-09	1.95E-05
	Application	1.03E-13	1.90E-13	1.55E-14	n/a	6.16E-11	6.73E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	7.67E-09	1.95E-05
	PDC	1.58E-13	2.90E-13	2.37E-14	n/a	9.42E-11	1.03E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.17E-08	1.95E-05
HHR29	Baseline	2.53E-13	4.65E-13	3.80E-14	n/a	1.51E-10	1.65E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.88E-08	1.95E-05
	Application	2.59E-13	4.77E-13	3.89E-14	n/a	1.55E-10	1.69E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.93E-08	1.95E-05
	PDC	1.22E-12	2.24E-12	1.83E-13	n/a	7.27E-10	7.95E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.06E-08	1.96E-05
HHR30	Baseline	1.41E-13	2.60E-13	2.12E-14	n/a	8.42E-11	9.20E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.05E-08	1.95E-05
	Application	1.49E-13	2.74E-13	2.24E-14	n/a	8.90E-11	9.72E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.11E-08	1.95E-05
	PDC	2.00E-13	3.68E-13	3.00E-14	n/a	1.19E-10	1.30E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.49E-08	1.95E-05
HHR31	Baseline	8.22E-13	1.51E-12	1.23E-13	n/a	4.91E-10	5.36E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	6.12E-08	1.95E-05
	Application	8.29E-13	1.53E-12	1.24E-13	n/a	4.95E-10	5.41E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	6.17E-08	1.95E-05
	PDC	1.41E-12	2.59E-12	2.11E-13	n/a	8.39E-10	9.17E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.05E-07	1.96E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.79E-13	5.13E-13	4.19E-14	n/a	1.66E-10	1.82E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.08E-08	1.95E-05
	Application	2.86E-13	5.26E-13	4.29E-14	n/a	1.71E-10	1.87E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.13E-08	1.95E-05
	PDC	8.39E-13	1.54E-12	1.26E-13	n/a	5.01E-10	5.48E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	6.25E-08	1.95E-05
HHR33	Baseline	1.90E-13	3.49E-13	2.85E-14	n/a	1.13E-10	1.24E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.41E-08	1.95E-05
	Application	1.98E-13	3.64E-13	2.97E-14	n/a	1.18E-10	1.29E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.47E-08	1.95E-05
	PDC	5.04E-13	9.27E-13	7.56E-14	n/a	3.01E-10	3.29E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.75E-08	1.95E-05
HHR34	Baseline	1.16E-13	2.13E-13	1.74E-14	n/a	6.91E-11	7.55E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.61E-09	1.95E-05
	Application	1.22E-13	2.24E-13	1.83E-14	n/a	7.28E-11	7.95E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.07E-09	1.95E-05
	PDC	3.07E-13	5.66E-13	4.61E-14	n/a	1.83E-10	2.01E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.29E-08	1.95E-05
HHR35	Baseline	2.18E-13	4.02E-13	3.28E-14	n/a	1.30E-10	1.43E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.63E-08	1.95E-05
	Application	2.25E-13	4.14E-13	3.38E-14	n/a	1.34E-10	1.47E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.67E-08	1.95E-05
	PDC	7.59E-13	1.40E-12	1.14E-13	n/a	4.53E-10	4.95E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	5.65E-08	1.95E-05
HHR36	Baseline	2.39E-13	4.39E-13	3.58E-14	n/a	1.42E-10	1.56E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.78E-08	1.95E-05
	Application	2.48E-13	4.57E-13	3.72E-14	n/a	1.48E-10	1.62E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.85E-08	1.95E-05
	PDC	4.70E-13	8.64E-13	7.05E-14	n/a	2.80E-10	3.06E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.50E-08	1.95E-05
HHR37	Baseline	1.87E-13	3.43E-13	2.80E-14	n/a	1.11E-10	1.22E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.39E-08	1.95E-05
	Application	1.95E-13	3.59E-13	2.93E-14	n/a	1.16E-10	1.27E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.45E-08	1.95E-05
	PDC	2.52E-13	4.64E-13	3.78E-14	n/a	1.50E-10	1.64E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.88E-08	1.95E-05
HHR38	Baseline	1.99E-13	3.66E-13	2.99E-14	n/a	1.19E-10	1.30E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.48E-08	1.95E-05
	Application	2.06E-13	3.79E-13	3.09E-14	n/a	1.23E-10	1.34E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.53E-08	1.95E-05
	PDC	8.43E-13	1.55E-12	1.27E-13	n/a	5.03E-10	5.50E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	6.27E-08	1.95E-05
HHR39	Baseline	1.49E-13	2.74E-13	2.23E-14	n/a	8.87E-11	9.70E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.11E-08	1.95E-05
	Application	1.55E-13	2.86E-13	2.33E-14	n/a	9.27E-11	1.01E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.16E-08	1.95E-05
	PDC	2.15E-13	3.96E-13	3.23E-14	n/a	1.29E-10	1.41E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.60E-08	1.95E-05
HHR40	Baseline	1.35E-13	2.49E-13	2.03E-14	n/a	8.07E-11	8.82E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.01E-08	1.95E-05
	Application	1.41E-13	2.60E-13	2.12E-14	n/a	8.45E-11	9.23E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.05E-08	1.95E-05
	PDC	1.98E-13	3.64E-13	2.97E-14	n/a	1.18E-10	1.29E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.47E-08	1.95E-05
HHR41	Baseline	1.60E-13	2.94E-13	2.40E-14	n/a	9.55E-11	1.04E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.19E-08	1.95E-05
	Application	1.66E-13	3.05E-13	2.49E-14	n/a	9.90E-11	1.08E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.23E-08	1.95E-05
	PDC	2.25E-13	4.13E-13	3.37E-14	n/a	1.34E-10	1.46E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.67E-08	1.95E-05
HHR42	Baseline	1.26E-13	2.31E-13	1.89E-14	n/a	7.51E-11	8.21E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.36E-09	1.95E-05
	Application	1.32E-13	2.44E-13	1.99E-14	n/a	7.90E-11	8.64E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.85E-09	1.95E-05
	PDC	2.82E-13	5.19E-13	4.23E-14	n/a	1.68E-10	1.84E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.10E-08	1.95E-05
HHR43	Baseline	1.88E-13	3.47E-13	2.83E-14	n/a	1.12E-10	1.23E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.40E-08	1.95E-05
	Application	2.00E-13	3.67E-13	3.00E-14	n/a	1.19E-10	1.30E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.49E-08	1.95E-05
	PDC	3.20E-13	5.88E-13	4.80E-14	n/a	1.91E-10	2.08E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.38E-08	1.95E-05
HHR44	Baseline	1.83E-13	3.36E-13	2.74E-14	n/a	1.09E-10	1.19E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.36E-08	1.95E-05
	Application	1.95E-13	3.58E-13	2.92E-14	n/a	1.16E-10	1.27E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.45E-08	1.95E-05
	PDC	3.19E-13	5.86E-13	4.78E-14	n/a	1.90E-10	2.08E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.37E-08	1.95E-05
HHR45	Baseline	7.97E-14	1.47E-13	1.20E-14	n/a	4.76E-11	5.20E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	5.93E-09	1.95E-05
	Application	8.96E-14	1.65E-13	1.34E-14	n/a	5.35E-11	5.85E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	6.67E-09	1.95E-05
	PDC	1.33E-13	2.44E-13	1.99E-14	n/a	7.93E-11	8.66E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.88E-09	1.95E-05
HHR46	Baseline	1.75E-13	3.23E-13	2.63E-14	n/a	1.05E-10	1.14E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.30E-08	1.95E-05
	Application	1.92E-13	3.53E-13	2.88E-14	n/a	1.14E-10	1.25E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.43E-08	1.95E-05
	PDC	2.65E-13	4.89E-13	3.98E-14	n/a	1.58E-10	1.73E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.98E-08	1.95E-05
HHR47	Baseline	1.95E-13	3.59E-13	2.93E-14	n/a	1.16E-10	1.27E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.45E-08	1.95E-05
	Application	2.10E-13	3.86E-13	3.15E-14	n/a	1.25E-10	1.37E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.56E-08	1.95E-05
	PDC	2.68E-13	4.93E-13	4.02E-14	n/a	1.60E-10	1.75E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.99E-08	1.95E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.29E-13	2.37E-13	1.94E-14	n/a	7.70E-11	8.41E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.60E-09	1.95E-05
	Application	1.35E-13	2.49E-13	2.03E-14	n/a	8.09E-11	8.84E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.01E-08	1.95E-05
	PDC	1.92E-13	3.53E-13	2.88E-14	n/a	1.15E-10	1.25E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.43E-08	1.95E-05
HHR49	Baseline	1.81E-13	3.34E-13	2.72E-14	n/a	1.08E-10	1.18E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.35E-08	1.95E-05
	Application	2.00E-13	3.68E-13	3.00E-14	n/a	1.19E-10	1.30E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.49E-08	1.95E-05
	PDC	2.64E-13	4.86E-13	3.96E-14	n/a	1.58E-10	1.72E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.96E-08	1.95E-05
HHR50	Baseline	2.04E-13	3.76E-13	3.07E-14	n/a	1.22E-10	1.33E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.52E-08	1.95E-05
	Application	2.18E-13	4.02E-13	3.28E-14	n/a	1.30E-10	1.42E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.62E-08	1.95E-05
	PDC	2.75E-13	5.06E-13	4.13E-14	n/a	1.64E-10	1.80E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.05E-08	1.95E-05
HHR51	Baseline	1.85E-13	3.40E-13	2.77E-14	n/a	1.10E-10	1.21E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.38E-08	1.95E-05
	Application	2.06E-13	3.78E-13	3.08E-14	n/a	1.23E-10	1.34E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.53E-08	1.95E-05
	PDC	2.65E-13	4.88E-13	3.98E-14	n/a	1.58E-10	1.73E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.97E-08	1.95E-05
HHR52	Baseline	3.83E-13	7.05E-13	5.75E-14	n/a	2.29E-10	2.50E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.85E-08	1.95E-05
	Application	3.92E-13	7.20E-13	5.88E-14	n/a	2.34E-10	2.55E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.91E-08	1.95E-05
	PDC	4.76E-13	8.77E-13	7.15E-14	n/a	2.84E-10	3.11E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.55E-08	1.95E-05
HHR53	Baseline	2.45E-13	4.51E-13	3.68E-14	n/a	1.46E-10	1.60E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.82E-08	1.95E-05
	Application	2.64E-13	4.85E-13	3.96E-14	n/a	1.57E-10	1.72E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.96E-08	1.95E-05
	PDC	3.22E-13	5.93E-13	4.84E-14	n/a	1.92E-10	2.10E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.40E-08	1.95E-05
HHR54	Baseline	3.75E-13	6.90E-13	5.63E-14	n/a	2.24E-10	2.45E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.79E-08	1.95E-05
	Application	3.83E-13	7.05E-13	5.75E-14	n/a	2.29E-10	2.50E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.85E-08	1.95E-05
	PDC	4.66E-13	8.58E-13	7.00E-14	n/a	2.78E-10	3.04E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	3.47E-08	1.95E-05
HHR55	Baseline	2.20E-13	4.05E-13	3.30E-14	n/a	1.31E-10	1.43E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.64E-08	1.95E-05
	Application	2.32E-13	4.27E-13	3.49E-14	n/a	1.39E-10	1.51E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.73E-08	1.95E-05
	PDC	2.91E-13	5.36E-13	4.37E-14	n/a	1.74E-10	1.90E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.17E-08	1.95E-05
HHR56	Baseline	3.00E-13	5.52E-13	4.50E-14	n/a	1.79E-10	1.96E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.23E-08	1.95E-05
	Application	3.13E-13	5.75E-13	4.69E-14	n/a	1.87E-10	2.04E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.33E-08	1.95E-05
	PDC	3.71E-13	6.82E-13	5.56E-14	n/a	2.21E-10	2.42E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.76E-08	1.95E-05
HHR57	Baseline	2.59E-13	4.77E-13	3.89E-14	n/a	1.55E-10	1.69E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.93E-08	1.95E-05
	Application	2.68E-13	4.93E-13	4.02E-14	n/a	1.60E-10	1.75E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.99E-08	1.95E-05
	PDC	3.29E-13	6.05E-13	4.94E-14	n/a	1.96E-10	2.15E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.45E-08	1.95E-05
HHR58	Baseline	1.82E-13	3.35E-13	2.74E-14	n/a	1.09E-10	1.19E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.36E-08	1.95E-05
	Application	2.09E-13	3.84E-13	3.13E-14	n/a	1.25E-10	1.36E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.55E-08	1.95E-05
	PDC	2.53E-13	4.66E-13	3.80E-14	n/a	1.51E-10	1.65E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.89E-08	1.95E-05
HHR59	Baseline	1.86E-13	3.41E-13	2.78E-14	n/a	1.11E-10	1.21E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.38E-08	1.95E-05
	Application	2.13E-13	3.92E-13	3.20E-14	n/a	1.27E-10	1.39E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.59E-08	1.95E-05
	PDC	2.58E-13	4.74E-13	3.87E-14	n/a	1.54E-10	1.68E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.92E-08	1.95E-05
HHR60	Baseline	2.04E-13	3.75E-13	3.06E-14	n/a	1.22E-10	1.33E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.52E-08	1.95E-05
	Application	2.43E-13	4.47E-13	3.65E-14	n/a	1.45E-10	1.58E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.81E-08	1.95E-05
	PDC	2.89E-13	5.32E-13	4.34E-14	n/a	1.73E-10	1.89E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.15E-08	1.95E-05
HHR61	Baseline	1.79E-13	3.29E-13	2.68E-14	n/a	1.07E-10	1.17E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.33E-08	1.95E-05
	Application	1.91E-13	3.52E-13	2.87E-14	n/a	1.14E-10	1.25E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.42E-08	1.95E-05
	PDC	2.52E-13	4.63E-13	3.78E-14	n/a	1.50E-10	1.64E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.87E-08	1.95E-05
HHR62	Baseline	1.78E-13	3.27E-13	2.67E-14	n/a	1.06E-10	1.16E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.32E-08	1.95E-05
	Application	1.93E-13	3.56E-13	2.90E-14	n/a	1.15E-10	1.26E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.44E-08	1.95E-05
	PDC	2.56E-13	4.71E-13	3.84E-14	n/a	1.53E-10	1.67E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.91E-08	1.95E-05
HHR63	Baseline	2.08E-13	3.83E-13	3.12E-14	n/a	1.24E-10	1.36E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.55E-08	1.95E-05
	Application	2.21E-13	4.07E-13	3.32E-14	n/a	1.32E-10	1.44E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.65E-08	1.95E-05
	PDC	2.95E-13	5.43E-13	4.43E-14	n/a	1.76E-10	1.92E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.20E-08	1.95E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.51E-13	4.62E-13	3.77E-14	n/a	1.50E-10	1.64E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.87E-08	1.95E-05
	Application	2.60E-13	4.79E-13	3.90E-14	n/a	1.55E-10	1.70E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.94E-08	1.95E-05
	PDC	3.32E-13	6.11E-13	4.99E-14	n/a	1.98E-10	2.17E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.47E-08	1.95E-05
HHR65	Baseline	2.18E-13	4.01E-13	3.27E-14	n/a	1.30E-10	1.42E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.62E-08	1.95E-05
	Application	2.29E-13	4.22E-13	3.44E-14	n/a	1.37E-10	1.50E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.71E-08	1.95E-05
	PDC	3.21E-13	5.90E-13	4.82E-14	n/a	1.92E-10	2.09E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.39E-08	1.95E-05
HHR66	Baseline	1.63E-13	3.00E-13	2.45E-14	n/a	9.74E-11	1.06E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.21E-08	1.95E-05
	Application	1.91E-13	3.51E-13	2.86E-14	n/a	1.14E-10	1.24E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.42E-08	1.95E-05
	PDC	2.89E-13	5.31E-13	4.33E-14	n/a	1.72E-10	1.88E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.15E-08	1.95E-05
HHR67	Baseline	1.88E-13	3.45E-13	2.82E-14	n/a	1.12E-10	1.22E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.40E-08	1.95E-05
	Application	2.23E-13	4.10E-13	3.35E-14	n/a	1.33E-10	1.46E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.66E-08	1.95E-05
	PDC	3.34E-13	6.14E-13	5.01E-14	n/a	1.99E-10	2.18E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.48E-08	1.95E-05
HHR68	Baseline	1.78E-13	3.28E-13	2.67E-14	n/a	1.06E-10	1.16E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.33E-08	1.95E-05
	Application	2.02E-13	3.72E-13	3.03E-14	n/a	1.21E-10	1.32E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.50E-08	1.95E-05
	PDC	2.59E-13	4.77E-13	3.89E-14	n/a	1.55E-10	1.69E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.93E-08	1.95E-05
HHR69	Baseline	1.16E-13	2.13E-13	1.74E-14	n/a	6.91E-11	7.55E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.61E-09	1.95E-05
	Application	1.22E-13	2.25E-13	1.84E-14	n/a	7.30E-11	7.98E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.11E-09	1.95E-05
	PDC	1.77E-13	3.26E-13	2.66E-14	n/a	1.06E-10	1.15E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.32E-08	1.95E-05
HHR70	Baseline	1.32E-13	2.42E-13	1.97E-14	n/a	7.85E-11	8.58E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.79E-09	1.95E-05
	Application	1.38E-13	2.55E-13	2.08E-14	n/a	8.26E-11	9.02E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.03E-08	1.95E-05
	PDC	1.96E-13	3.61E-13	2.95E-14	n/a	1.17E-10	1.28E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.46E-08	1.95E-05
HHR71	Baseline	7.37E-13	1.36E-12	1.11E-13	n/a	4.40E-10	4.81E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	5.48E-08	1.95E-05
	Application	7.45E-13	1.37E-12	1.12E-13	n/a	4.45E-10	4.86E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	5.55E-08	1.95E-05
	PDC	8.30E-13	1.53E-12	1.25E-13	n/a	4.95E-10	5.41E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	6.18E-08	1.95E-05
HHR72	Baseline	1.08E-13	1.98E-13	1.62E-14	n/a	6.43E-11	7.02E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.01E-09	1.95E-05
	Application	1.23E-13	2.26E-13	1.84E-14	n/a	7.33E-11	8.01E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	9.14E-09	1.95E-05
	PDC	1.71E-13	3.16E-13	2.57E-14	n/a	1.02E-10	1.12E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.28E-08	1.95E-05
HHR73	Baseline	1.86E-13	3.43E-13	2.80E-14	n/a	1.11E-10	1.22E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.39E-08	1.95E-05
	Application	2.05E-13	3.78E-13	3.08E-14	n/a	1.22E-10	1.34E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.53E-08	1.95E-05
	PDC	2.76E-13	5.08E-13	4.15E-14	n/a	1.65E-10	1.80E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.06E-08	1.95E-05
HHR74	Baseline	1.70E-13	3.13E-13	2.55E-14	n/a	1.02E-10	1.11E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.27E-08	1.95E-05
	Application	1.78E-13	3.28E-13	2.67E-14	n/a	1.06E-10	1.16E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.32E-08	1.95E-05
	PDC	2.59E-13	4.77E-13	3.89E-14	n/a	1.55E-10	1.69E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.93E-08	1.95E-05
HHR75	Baseline	1.77E-13	3.26E-13	2.66E-14	n/a	1.06E-10	1.15E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.32E-08	1.95E-05
	Application	1.88E-13	3.45E-13	2.82E-14	n/a	1.12E-10	1.22E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.40E-08	1.95E-05
	PDC	3.35E-13	6.16E-13	5.03E-14	n/a	2.00E-10	2.18E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.49E-08	1.95E-05
HHR76	Baseline	2.14E-13	3.94E-13	3.22E-14	n/a	1.28E-10	1.40E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.60E-08	1.95E-05
	Application	2.27E-13	4.18E-13	3.41E-14	n/a	1.36E-10	1.48E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.69E-08	1.95E-05
	PDC	3.15E-13	5.79E-13	4.72E-14	n/a	1.88E-10	2.05E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.34E-08	1.95E-05
HHR77	Baseline	1.84E-13	3.38E-13	2.76E-14	n/a	1.10E-10	1.20E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.37E-08	1.95E-05
	Application	1.95E-13	3.59E-13	2.93E-14	n/a	1.16E-10	1.27E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.45E-08	1.95E-05
	PDC	2.65E-13	4.88E-13	3.98E-14	n/a	1.58E-10	1.73E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.97E-08	1.95E-05
HHR78	Baseline	3.07E-13	5.65E-13	4.61E-14	n/a	1.83E-10	2.00E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.28E-08	1.95E-05
	Application	3.17E-13	5.84E-13	4.76E-14	n/a	1.89E-10	2.07E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.36E-08	1.95E-05
	PDC	3.95E-13	7.26E-13	5.92E-14	n/a	2.36E-10	2.57E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.94E-08	1.95E-05
HHR79	Baseline	1.84E-13	3.39E-13	2.77E-14	n/a	1.10E-10	1.20E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.37E-08	1.95E-05
	Application	1.93E-13	3.55E-13	2.90E-14	n/a	1.15E-10	1.26E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.44E-08	1.95E-05
	PDC	2.71E-13	4.98E-13	4.06E-14	n/a	1.62E-10	1.77E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.01E-08	1.95E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	1.43E-13	2.62E-13	2.14E-14	n/a	8.51E-11	9.30E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.06E-08	1.95E-05
	Application	1.51E-13	2.77E-13	2.26E-14	n/a	8.99E-11	9.83E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.12E-08	1.95E-05
	PDC	3.64E-13	6.69E-13	5.46E-14	n/a	2.17E-10	2.37E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.71E-08	1.95E-05
HHR81	Baseline	1.51E-13	2.78E-13	2.27E-14	n/a	9.01E-11	9.85E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.12E-08	1.95E-05
	Application	1.59E-13	2.93E-13	2.39E-14	n/a	9.49E-11	1.04E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.18E-08	1.95E-05
	PDC	2.52E-13	4.63E-13	3.78E-14	n/a	1.50E-10	1.64E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.87E-08	1.95E-05
HHR82	Baseline	1.44E-13	2.64E-13	2.15E-14	n/a	8.57E-11	9.36E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.07E-08	1.95E-05
	Application	1.51E-13	2.79E-13	2.27E-14	n/a	9.04E-11	9.88E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.13E-08	1.95E-05
	PDC	2.58E-13	4.74E-13	3.87E-14	n/a	1.54E-10	1.68E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.92E-08	1.95E-05
HHR83	Baseline	1.44E-13	2.65E-13	2.16E-14	n/a	8.60E-11	9.40E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.07E-08	1.95E-05
	Application	1.52E-13	2.79E-13	2.28E-14	n/a	9.06E-11	9.91E-13	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.13E-08	1.95E-05
	PDC	2.53E-13	4.65E-13	3.79E-14	n/a	1.51E-10	1.65E-12	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	1.88E-08	1.95E-05
MPOI	Baseline	1.17E-11	2.15E-11	1.75E-12	n/a	6.97E-09	7.62E-11	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.69E-07	2.03E-05
	Application	1.17E-11	2.15E-11	1.75E-12	n/a	6.97E-09	7.62E-11	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	8.69E-07	2.03E-05
	PDC	2.69E-11	4.95E-11	4.04E-12	n/a	1.61E-08	1.75E-10	6.53E-06	1.08E-05	1.91E-06	1.81E-07	3.25E-10	2.89E-11	2.00E-06	2.15E-05

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-14: Non-Carcinogenic Average Daily Dose for Vanadium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR2	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR3	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR4	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR5	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR6	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR7	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR8	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR9	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR10	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR11	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR12	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR13	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR14	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR15	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR17	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR18	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR19	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR20	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR21	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR22	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR23	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR24	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR25	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR26	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR27	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR28	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR29	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR30	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR31	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR33	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR34	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR35	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR36	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR37	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR38	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR39	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR40	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR41	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR42	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR43	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR44	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR45	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR46	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR47	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR49	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR50	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR51	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR52	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR53	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR54	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR55	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR56	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR57	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR58	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR59	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR60	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR61	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR62	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR63	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR65	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR66	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR67	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR68	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR69	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR70	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR71	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR72	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR73	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR74	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR75	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR76	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR77	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR78	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR79	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR81	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR82	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
HHR83	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
MPOI	Baseline	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	Application	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05
	PDC	2.31E-07	1.64E-05	1.33E-06	n/a	1.09E-06	4.59E-07	2.55E-07	4.23E-07	2.28E-07	4.17E-07	1.09E-09	3.66E-10	8.34E-07	2.16E-05

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-15: Non-Carcinogenic Average Daily Dose for Zinc

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR2	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR3	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR4	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR5	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR6	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR7	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR8	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR9	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR10	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR11	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR12	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR13	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR14	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR15	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR17	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR18	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR19	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR20	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR21	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR22	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR23	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR24	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR25	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR26	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR27	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR28	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR29	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.65E-05	6.33E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR30	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR31	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR33	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR34	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR35	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR36	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR37	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.65E-05	6.33E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR38	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR39	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR40	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR41	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR42	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR43	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR44	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR45	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR46	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR47	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR49	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR50	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR51	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR52	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR53	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR54	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR55	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR56	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR57	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR58	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR59	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR60	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR61	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR62	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR63	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR65	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR66	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR67	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR68	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR69	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR70	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR71	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR72	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR73	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR74	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR75	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR76	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR77	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR78	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR79	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR81	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR82	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
HHR83	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
MPOI	Baseline	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	Application	3.16E-05	5.82E-06	4.74E-06	n/a	9.66E-05	6.33E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02
	PDC	3.16E-05	5.82E-06	4.74E-06	n/a	9.64E-05	6.32E-07	8.15E-04	4.32E-04	2.37E-04	1.77E-05	3.34E-08	4.93E-09	4.88E-02	5.04E-02

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-16: Non-Carcinogenic Average Daily Dose for C_{17}-C_{34} Aromatic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.84E-14	3.46E-12	3.75E-14	9.03E-14	8.93E-14	1.51E-03	8.55E-06	5.76E-06	3.82E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.66E-14	3.88E-12	4.20E-14	1.01E-13	1.00E-13	1.51E-03	8.55E-06	5.76E-06	4.28E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.18E-14	4.65E-12	5.04E-14	1.21E-13	1.20E-13	1.51E-03	8.55E-06	5.76E-06	5.13E-11	2.42E-03
HHR2	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.37E-14	3.22E-12	3.49E-14	8.41E-14	8.31E-14	1.51E-03	8.55E-06	5.76E-06	3.56E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.14E-14	3.61E-12	3.92E-14	9.43E-14	9.32E-14	1.51E-03	8.55E-06	5.76E-06	3.99E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.48E-14	4.29E-12	4.65E-14	1.12E-13	1.11E-13	1.51E-03	8.55E-06	5.76E-06	4.73E-11	2.42E-03
HHR3	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.62E-14	4.36E-12	4.73E-14	1.14E-13	1.13E-13	1.51E-03	8.55E-06	5.76E-06	4.81E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.00E-13	5.06E-12	5.49E-14	1.32E-13	1.31E-13	1.51E-03	8.55E-06	5.76E-06	5.59E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.28E-13	6.46E-12	7.00E-14	1.69E-13	1.67E-13	1.51E-03	8.55E-06	5.76E-06	7.13E-11	2.42E-03
HHR4	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.23E-14	3.66E-12	3.97E-14	9.55E-14	9.44E-14	1.51E-03	8.55E-06	5.76E-06	4.04E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.17E-14	4.14E-12	4.48E-14	1.08E-13	1.07E-13	1.51E-03	8.55E-06	5.76E-06	4.57E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.93E-14	5.03E-12	5.45E-14	1.31E-13	1.30E-13	1.51E-03	8.55E-06	5.76E-06	5.55E-11	2.42E-03
HHR5	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.25E-14	3.67E-12	3.98E-14	9.58E-14	9.46E-14	1.51E-03	8.55E-06	5.76E-06	4.05E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.13E-14	4.11E-12	4.46E-14	1.07E-13	1.06E-13	1.51E-03	8.55E-06	5.76E-06	4.54E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.54E-14	4.83E-12	5.23E-14	1.26E-13	1.24E-13	1.51E-03	8.55E-06	5.76E-06	5.33E-11	2.42E-03
HHR6	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.20E-14	3.64E-12	3.95E-14	9.51E-14	9.40E-14	1.51E-03	8.55E-06	5.76E-06	4.02E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.34E-14	4.22E-12	4.58E-14	1.10E-13	1.09E-13	1.51E-03	8.55E-06	5.76E-06	4.66E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.07E-13	5.43E-12	5.89E-14	1.42E-13	1.40E-13	1.51E-03	8.55E-06	5.76E-06	6.00E-11	2.42E-03
HHR7	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	2.63E-14	1.33E-12	1.44E-14	3.47E-14	3.43E-14	1.51E-03	8.55E-06	5.76E-06	1.47E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	3.05E-14	1.54E-12	1.67E-14	4.03E-14	3.98E-14	1.51E-03	8.55E-06	5.76E-06	1.70E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	4.46E-14	2.26E-12	2.45E-14	5.89E-14	5.82E-14	1.51E-03	8.55E-06	5.76E-06	2.49E-11	2.42E-03
HHR8	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.83E-14	2.95E-12	3.20E-14	7.70E-14	7.61E-14	1.51E-03	8.55E-06	5.76E-06	3.25E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.48E-14	3.28E-12	3.56E-14	8.56E-14	8.46E-14	1.51E-03	8.55E-06	5.76E-06	3.62E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.68E-14	4.39E-12	4.76E-14	1.15E-13	1.13E-13	1.51E-03	8.55E-06	5.76E-06	4.85E-11	2.42E-03
HHR9	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.88E-14	2.97E-12	3.22E-14	7.76E-14	7.67E-14	1.51E-03	8.55E-06	5.76E-06	3.28E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.57E-14	3.33E-12	3.61E-14	8.68E-14	8.58E-14	1.51E-03	8.55E-06	5.76E-06	3.67E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.38E-14	4.24E-12	4.60E-14	1.11E-13	1.09E-13	1.51E-03	8.55E-06	5.76E-06	4.68E-11	2.42E-03
HHR10	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	2.98E-13	1.51E-11	1.64E-13	3.94E-13	3.89E-13	1.51E-03	8.55E-06	5.76E-06	1.66E-10	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	3.05E-13	1.54E-11	1.67E-13	4.03E-13	3.98E-13	1.51E-03	8.55E-06	5.76E-06	1.70E-10	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	3.54E-13	1.79E-11	1.94E-13	4.68E-13	4.62E-13	1.51E-03	8.55E-06	5.76E-06	1.98E-10	2.42E-03
HHR11	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.06E-14	4.08E-12	4.42E-14	1.06E-13	1.05E-13	1.51E-03	8.55E-06	5.76E-06	4.50E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.98E-14	4.54E-12	4.93E-14	1.19E-13	1.17E-13	1.51E-03	8.55E-06	5.76E-06	5.01E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.07E-13	5.43E-12	5.89E-14	1.42E-13	1.40E-13	1.51E-03	8.55E-06	5.76E-06	6.00E-11	2.42E-03
HHR12	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.87E-14	3.98E-12	4.32E-14	1.04E-13	1.03E-13	1.51E-03	8.55E-06	5.76E-06	4.40E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.76E-14	4.43E-12	4.80E-14	1.16E-13	1.14E-13	1.51E-03	8.55E-06	5.76E-06	4.89E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.10E-13	5.56E-12	6.03E-14	1.45E-13	1.44E-13	1.51E-03	8.55E-06	5.76E-06	6.14E-11	2.42E-03
HHR13	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.39E-14	4.25E-12	4.61E-14	1.11E-13	1.10E-13	1.51E-03	8.55E-06	5.76E-06	4.69E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.37E-14	4.74E-12	5.14E-14	1.24E-13	1.22E-13	1.51E-03	8.55E-06	5.76E-06	5.23E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.11E-13	5.64E-12	6.11E-14	1.47E-13	1.45E-13	1.51E-03	8.55E-06	5.76E-06	6.22E-11	2.42E-03
HHR14	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.50E-14	3.79E-12	4.11E-14	9.90E-14	9.78E-14	1.51E-03	8.55E-06	5.76E-06	4.19E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.49E-14	4.30E-12	4.66E-14	1.12E-13	1.11E-13	1.51E-03	8.55E-06	5.76E-06	4.74E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.90E-14	5.01E-12	5.43E-14	1.31E-13	1.29E-13	1.51E-03	8.55E-06	5.76E-06	5.53E-11	2.42E-03
HHR15	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	3.44E-14	1.74E-12	1.89E-14	4.55E-14	4.49E-14	1.51E-03	8.55E-06	5.76E-06	1.92E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	5.02E-14	2.54E-12	2.76E-14	6.63E-14	6.56E-14	1.51E-03	8.55E-06	5.76E-06	2.81E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	6.95E-14	3.52E-12	3.81E-14	9.17E-14	9.07E-14	1.51E-03	8.55E-06	5.76E-06	3.88E-11	2.42E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.55E-14	2.81E-12	3.05E-14	7.33E-14	7.25E-14	1.51E-03	8.55E-06	5.76E-06	3.10E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.12E-14	3.10E-12	3.36E-14	8.08E-14	7.99E-14	1.51E-03	8.55E-06	5.76E-06	3.42E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.82E-14	3.96E-12	4.29E-14	1.03E-13	1.02E-13	1.51E-03	8.55E-06	5.76E-06	4.37E-11	2.42E-03
HHR17	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.70E-14	2.88E-12	3.13E-14	7.53E-14	7.44E-14	1.51E-03	8.55E-06	5.76E-06	3.18E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.23E-14	3.15E-12	3.42E-14	8.23E-14	8.13E-14	1.51E-03	8.55E-06	5.76E-06	3.48E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.63E-14	3.86E-12	4.18E-14	1.01E-13	9.96E-14	1.51E-03	8.55E-06	5.76E-06	4.26E-11	2.42E-03
HHR18	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.50E-14	3.29E-12	3.56E-14	8.58E-14	8.48E-14	1.51E-03	8.55E-06	5.76E-06	3.63E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.17E-14	3.63E-12	3.93E-14	9.46E-14	9.35E-14	1.51E-03	8.55E-06	5.76E-06	4.00E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.82E-14	4.47E-12	4.84E-14	1.17E-13	1.15E-13	1.51E-03	8.55E-06	5.76E-06	4.93E-11	2.42E-03
HHR19	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.63E-14	3.35E-12	3.64E-14	8.76E-14	8.65E-14	1.51E-03	8.55E-06	5.76E-06	3.70E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.40E-14	3.75E-12	4.06E-14	9.78E-14	9.66E-14	1.51E-03	8.55E-06	5.76E-06	4.13E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.14E-14	4.62E-12	5.01E-14	1.21E-13	1.19E-13	1.51E-03	8.55E-06	5.76E-06	5.10E-11	2.42E-03
HHR20	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.79E-14	3.43E-12	3.72E-14	8.96E-14	8.86E-14	1.51E-03	8.55E-06	5.76E-06	3.79E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.55E-14	3.82E-12	4.14E-14	9.96E-14	9.85E-14	1.51E-03	8.55E-06	5.76E-06	4.21E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.27E-14	4.69E-12	5.09E-14	1.22E-13	1.21E-13	1.51E-03	8.55E-06	5.76E-06	5.18E-11	2.42E-03
HHR21	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.34E-14	4.22E-12	4.58E-14	1.10E-13	1.09E-13	1.51E-03	8.55E-06	5.76E-06	4.66E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.30E-14	4.71E-12	5.10E-14	1.23E-13	1.21E-13	1.51E-03	8.55E-06	5.76E-06	5.19E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.11E-13	5.60E-12	6.08E-14	1.46E-13	1.45E-13	1.51E-03	8.55E-06	5.76E-06	6.18E-11	2.42E-03
HHR22	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.75E-14	3.92E-12	4.25E-14	1.02E-13	1.01E-13	1.51E-03	8.55E-06	5.76E-06	4.33E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.27E-14	4.69E-12	5.09E-14	1.22E-13	1.21E-13	1.51E-03	8.55E-06	5.76E-06	5.18E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.10E-13	5.59E-12	6.06E-14	1.46E-13	1.44E-13	1.51E-03	8.55E-06	5.76E-06	6.17E-11	2.42E-03
HHR23	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.82E-14	4.46E-12	4.84E-14	1.17E-13	1.15E-13	1.51E-03	8.55E-06	5.76E-06	4.93E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.71E-14	4.91E-12	5.33E-14	1.28E-13	1.27E-13	1.51E-03	8.55E-06	5.76E-06	5.42E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.17E-13	5.93E-12	6.43E-14	1.55E-13	1.53E-13	1.51E-03	8.55E-06	5.76E-06	6.54E-11	2.42E-03
HHR24	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.24E-14	4.17E-12	4.52E-14	1.09E-13	1.08E-13	1.51E-03	8.55E-06	5.76E-06	4.60E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.12E-14	4.62E-12	5.00E-14	1.20E-13	1.19E-13	1.51E-03	8.55E-06	5.76E-06	5.09E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.12E-13	5.67E-12	6.15E-14	1.48E-13	1.46E-13	1.51E-03	8.55E-06	5.76E-06	6.26E-11	2.42E-03
HHR25	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.24E-14	3.16E-12	3.42E-14	8.24E-14	8.14E-14	1.51E-03	8.55E-06	5.76E-06	3.48E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.07E-14	4.08E-12	4.43E-14	1.07E-13	1.05E-13	1.51E-03	8.55E-06	5.76E-06	4.51E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.70E-14	4.91E-12	5.32E-14	1.28E-13	1.27E-13	1.51E-03	8.55E-06	5.76E-06	5.42E-11	2.42E-03
HHR26	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.66E-14	3.37E-12	3.66E-14	8.80E-14	8.70E-14	1.51E-03	8.55E-06	5.76E-06	3.72E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.28E-14	4.70E-12	5.09E-14	1.23E-13	1.21E-13	1.51E-03	8.55E-06	5.76E-06	5.18E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.21E-13	6.12E-12	6.64E-14	1.60E-13	1.58E-13	1.51E-03	8.55E-06	5.76E-06	6.76E-11	2.42E-03
HHR27	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.22E-14	3.15E-12	3.41E-14	8.22E-14	8.12E-14	1.51E-03	8.55E-06	5.76E-06	3.47E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.57E-14	4.34E-12	4.70E-14	1.13E-13	1.12E-13	1.51E-03	8.55E-06	5.76E-06	4.79E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.20E-13	6.07E-12	6.59E-14	1.59E-13	1.57E-13	1.51E-03	8.55E-06	5.76E-06	6.70E-11	2.42E-03
HHR28	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	4.27E-14	2.16E-12	2.34E-14	5.64E-14	5.58E-14	1.51E-03	8.55E-06	5.76E-06	2.39E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	5.17E-14	2.62E-12	2.84E-14	6.82E-14	6.75E-14	1.51E-03	8.55E-06	5.76E-06	2.89E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.20E-14	4.15E-12	4.50E-14	1.08E-13	1.07E-13	1.51E-03	8.55E-06	5.76E-06	4.58E-11	2.42E-03
HHR29	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.15E-14	3.11E-12	3.38E-14	8.12E-14	8.03E-14	1.51E-03	8.55E-06	5.76E-06	3.44E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.56E-14	3.32E-12	3.60E-14	8.66E-14	8.56E-14	1.51E-03	8.55E-06	5.76E-06	3.66E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.78E-14	4.95E-12	5.37E-14	1.29E-13	1.28E-13	1.51E-03	8.55E-06	5.76E-06	5.46E-11	2.42E-03
HHR30	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.80E-14	2.94E-12	3.18E-14	7.66E-14	7.57E-14	1.51E-03	8.55E-06	5.76E-06	3.24E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.52E-14	3.30E-12	3.58E-14	8.61E-14	8.51E-14	1.51E-03	8.55E-06	5.76E-06	3.64E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.89E-14	3.99E-12	4.33E-14	1.04E-13	1.03E-13	1.51E-03	8.55E-06	5.76E-06	4.40E-11	2.42E-03
HHR31	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.98E-14	4.04E-12	4.38E-14	1.05E-13	1.04E-13	1.51E-03	8.55E-06	5.76E-06	4.46E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.44E-14	4.27E-12	4.63E-14	1.11E-13	1.10E-13	1.51E-03	8.55E-06	5.76E-06	4.71E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.15E-13	5.82E-12	6.31E-14	1.52E-13	1.50E-13	1.51E-03	8.55E-06	5.76E-06	6.42E-11	2.42E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.07E-14	4.08E-12	4.43E-14	1.07E-13	1.05E-13	1.51E-03	8.55E-06	5.76E-06	4.51E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.56E-14	4.33E-12	4.70E-14	1.13E-13	1.12E-13	1.51E-03	8.55E-06	5.76E-06	4.78E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.18E-13	5.98E-12	6.49E-14	1.56E-13	1.54E-13	1.51E-03	8.55E-06	5.76E-06	6.60E-11	2.42E-03
HHR33	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.92E-14	3.00E-12	3.25E-14	7.82E-14	7.73E-14	1.51E-03	8.55E-06	5.76E-06	3.31E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.56E-14	3.32E-12	3.60E-14	8.66E-14	8.56E-14	1.51E-03	8.55E-06	5.76E-06	3.66E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.35E-14	4.73E-12	5.13E-14	1.23E-13	1.22E-13	1.51E-03	8.55E-06	5.76E-06	5.22E-11	2.42E-03
HHR34	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.53E-14	2.80E-12	3.03E-14	7.30E-14	7.22E-14	1.51E-03	8.55E-06	5.76E-06	3.09E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.08E-14	3.08E-12	3.34E-14	8.03E-14	7.94E-14	1.51E-03	8.55E-06	5.76E-06	3.40E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.83E-14	3.96E-12	4.30E-14	1.03E-13	1.02E-13	1.51E-03	8.55E-06	5.76E-06	4.38E-11	2.42E-03
HHR35	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.17E-14	4.13E-12	4.48E-14	1.08E-13	1.07E-13	1.51E-03	8.55E-06	5.76E-06	4.56E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.68E-14	4.39E-12	4.76E-14	1.15E-13	1.13E-13	1.51E-03	8.55E-06	5.76E-06	4.85E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.19E-13	6.00E-12	6.50E-14	1.57E-13	1.55E-13	1.51E-03	8.55E-06	5.76E-06	6.62E-11	2.42E-03
HHR36	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.58E-14	3.33E-12	3.61E-14	8.68E-14	8.58E-14	1.51E-03	8.55E-06	5.76E-06	3.67E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.38E-14	3.73E-12	4.05E-14	9.74E-14	9.63E-14	1.51E-03	8.55E-06	5.76E-06	4.12E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.77E-14	4.94E-12	5.36E-14	1.29E-13	1.28E-13	1.51E-03	8.55E-06	5.76E-06	5.46E-11	2.42E-03
HHR37	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.98E-14	3.02E-12	3.28E-14	7.89E-14	7.80E-14	1.51E-03	8.55E-06	5.76E-06	3.34E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.74E-14	3.41E-12	3.70E-14	8.90E-14	8.80E-14	1.51E-03	8.55E-06	5.76E-06	3.76E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.13E-14	4.12E-12	4.46E-14	1.07E-13	1.06E-13	1.51E-03	8.55E-06	5.76E-06	4.54E-11	2.42E-03
HHR38	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.42E-14	4.26E-12	4.62E-14	1.11E-13	1.10E-13	1.51E-03	8.55E-06	5.76E-06	4.70E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.91E-14	4.51E-12	4.89E-14	1.18E-13	1.16E-13	1.51E-03	8.55E-06	5.76E-06	4.98E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.22E-13	6.18E-12	6.70E-14	1.61E-13	1.59E-13	1.51E-03	8.55E-06	5.76E-06	6.82E-11	2.42E-03
HHR39	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.18E-14	3.13E-12	3.39E-14	8.17E-14	8.07E-14	1.51E-03	8.55E-06	5.76E-06	3.45E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.79E-14	3.44E-12	3.72E-14	8.97E-14	8.86E-14	1.51E-03	8.55E-06	5.76E-06	3.79E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.35E-14	4.22E-12	4.58E-14	1.10E-13	1.09E-13	1.51E-03	8.55E-06	5.76E-06	4.66E-11	2.42E-03
HHR40	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.65E-14	2.86E-12	3.10E-14	7.46E-14	7.37E-14	1.51E-03	8.55E-06	5.76E-06	3.15E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.21E-14	3.14E-12	3.41E-14	8.20E-14	8.11E-14	1.51E-03	8.55E-06	5.76E-06	3.47E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.64E-14	3.86E-12	4.19E-14	1.01E-13	9.97E-14	1.51E-03	8.55E-06	5.76E-06	4.27E-11	2.42E-03
HHR41	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.53E-14	3.30E-12	3.58E-14	8.62E-14	8.52E-14	1.51E-03	8.55E-06	5.76E-06	3.65E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.06E-14	3.57E-12	3.88E-14	9.33E-14	9.22E-14	1.51E-03	8.55E-06	5.76E-06	3.94E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.52E-14	4.31E-12	4.67E-14	1.13E-13	1.11E-13	1.51E-03	8.55E-06	5.76E-06	4.76E-11	2.42E-03
HHR42	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.88E-14	2.97E-12	3.22E-14	7.76E-14	7.67E-14	1.51E-03	8.55E-06	5.76E-06	3.28E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.48E-14	3.28E-12	3.55E-14	8.55E-14	8.45E-14	1.51E-03	8.55E-06	5.76E-06	3.62E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.22E-14	4.16E-12	4.51E-14	1.09E-13	1.07E-13	1.51E-03	8.55E-06	5.76E-06	4.59E-11	2.42E-03
HHR43	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.48E-14	3.78E-12	4.10E-14	9.88E-14	9.76E-14	1.51E-03	8.55E-06	5.76E-06	4.18E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.49E-14	4.30E-12	4.66E-14	1.12E-13	1.11E-13	1.51E-03	8.55E-06	5.76E-06	4.74E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.03E-13	5.20E-12	5.64E-14	1.36E-13	1.34E-13	1.51E-03	8.55E-06	5.76E-06	5.74E-11	2.42E-03
HHR44	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.80E-14	3.95E-12	4.28E-14	1.03E-13	1.02E-13	1.51E-03	8.55E-06	5.76E-06	4.36E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.86E-14	4.49E-12	4.86E-14	1.17E-13	1.16E-13	1.51E-03	8.55E-06	5.76E-06	4.95E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.07E-13	5.43E-12	5.89E-14	1.42E-13	1.40E-13	1.51E-03	8.55E-06	5.76E-06	5.99E-11	2.42E-03
HHR45	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	3.36E-14	1.70E-12	1.84E-14	4.44E-14	4.39E-14	1.51E-03	8.55E-06	5.76E-06	1.88E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	4.26E-14	2.15E-12	2.34E-14	5.62E-14	5.56E-14	1.51E-03	8.55E-06	5.76E-06	2.38E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	6.35E-14	3.21E-12	3.48E-14	8.38E-14	8.28E-14	1.51E-03	8.55E-06	5.76E-06	3.54E-11	2.42E-03
HHR46	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.26E-14	3.67E-12	3.98E-14	9.59E-14	9.48E-14	1.51E-03	8.55E-06	5.76E-06	4.05E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.75E-14	4.43E-12	4.80E-14	1.16E-13	1.14E-13	1.51E-03	8.55E-06	5.76E-06	4.89E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.27E-13	6.41E-12	6.95E-14	1.67E-13	1.65E-13	1.51E-03	8.55E-06	5.76E-06	7.08E-11	2.42E-03
HHR47	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	9.06E-14	4.58E-12	4.97E-14	1.20E-13	1.18E-13	1.51E-03	8.55E-06	5.76E-06	5.06E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.04E-13	5.25E-12	5.69E-14	1.37E-13	1.35E-13	1.51E-03	8.55E-06	5.76E-06	5.79E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.29E-13	6.51E-12	7.05E-14	1.70E-13	1.68E-13	1.51E-03	8.55E-06	5.76E-06	7.18E-11	2.42E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.38E-14	2.72E-12	2.95E-14	7.11E-14	7.03E-14	1.51E-03	8.55E-06	5.76E-06	3.01E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	5.97E-14	3.02E-12	3.28E-14	7.88E-14	7.79E-14	1.51E-03	8.55E-06	5.76E-06	3.33E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.41E-14	3.75E-12	4.07E-14	9.79E-14	9.67E-14	1.51E-03	8.55E-06	5.76E-06	4.14E-11	2.42E-03
HHR49	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.76E-14	3.42E-12	3.71E-14	8.92E-14	8.82E-14	1.51E-03	8.55E-06	5.76E-06	3.77E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.44E-14	4.27E-12	4.63E-14	1.11E-13	1.10E-13	1.51E-03	8.55E-06	5.76E-06	4.71E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.17E-13	5.94E-12	6.44E-14	1.55E-13	1.53E-13	1.51E-03	8.55E-06	5.76E-06	6.56E-11	2.42E-03
HHR50	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	9.39E-14	4.75E-12	5.15E-14	1.24E-13	1.23E-13	1.51E-03	8.55E-06	5.76E-06	5.24E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.07E-13	5.41E-12	5.86E-14	1.41E-13	1.40E-13	1.51E-03	8.55E-06	5.76E-06	5.97E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.29E-13	6.52E-12	7.07E-14	1.70E-13	1.68E-13	1.51E-03	8.55E-06	5.76E-06	7.20E-11	2.42E-03
HHR51	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.43E-14	3.25E-12	3.53E-14	8.49E-14	8.39E-14	1.51E-03	8.55E-06	5.76E-06	3.59E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.30E-14	4.20E-12	4.55E-14	1.10E-13	1.08E-13	1.51E-03	8.55E-06	5.76E-06	4.64E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.13E-13	5.70E-12	6.18E-14	1.49E-13	1.47E-13	1.51E-03	8.55E-06	5.76E-06	6.29E-11	2.42E-03
HHR52	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	1.01E-13	5.11E-12	5.54E-14	1.33E-13	1.32E-13	1.51E-03	8.55E-06	5.76E-06	5.64E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.08E-13	5.48E-12	5.94E-14	1.43E-13	1.41E-13	1.51E-03	8.55E-06	5.76E-06	6.05E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.28E-13	6.50E-12	7.05E-14	1.70E-13	1.68E-13	1.51E-03	8.55E-06	5.76E-06	7.17E-11	2.42E-03
HHR53	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	1.13E-13	5.72E-12	6.20E-14	1.49E-13	1.48E-13	1.51E-03	8.55E-06	5.76E-06	6.31E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.30E-13	6.57E-12	7.12E-14	1.71E-13	1.69E-13	1.51E-03	8.55E-06	5.76E-06	7.25E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.56E-13	7.88E-12	8.54E-14	2.06E-13	2.03E-13	1.51E-03	8.55E-06	5.76E-06	8.69E-11	2.42E-03
HHR54	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.94E-14	4.02E-12	4.36E-14	1.05E-13	1.04E-13	1.51E-03	8.55E-06	5.76E-06	4.44E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.68E-14	4.39E-12	4.76E-14	1.15E-13	1.13E-13	1.51E-03	8.55E-06	5.76E-06	4.85E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.04E-13	5.27E-12	5.71E-14	1.37E-13	1.36E-13	1.51E-03	8.55E-06	5.76E-06	5.81E-11	2.42E-03
HHR55	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	9.89E-14	5.01E-12	5.43E-14	1.31E-13	1.29E-13	1.51E-03	8.55E-06	5.76E-06	5.52E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.10E-13	5.59E-12	6.06E-14	1.46E-13	1.44E-13	1.51E-03	8.55E-06	5.76E-06	6.16E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.31E-13	6.64E-12	7.20E-14	1.73E-13	1.71E-13	1.51E-03	8.55E-06	5.76E-06	7.33E-11	2.42E-03
HHR56	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.48E-14	3.79E-12	4.11E-14	9.88E-14	9.77E-14	1.51E-03	8.55E-06	5.76E-06	4.18E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.62E-14	4.36E-12	4.73E-14	1.14E-13	1.12E-13	1.51E-03	8.55E-06	5.76E-06	4.81E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.04E-13	5.25E-12	5.69E-14	1.37E-13	1.35E-13	1.51E-03	8.55E-06	5.76E-06	5.79E-11	2.42E-03
HHR57	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.41E-14	3.24E-12	3.52E-14	8.47E-14	8.37E-14	1.51E-03	8.55E-06	5.76E-06	3.58E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.36E-14	3.72E-12	4.04E-14	9.71E-14	9.60E-14	1.51E-03	8.55E-06	5.76E-06	4.11E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	8.75E-14	4.43E-12	4.80E-14	1.16E-13	1.14E-13	1.51E-03	8.55E-06	5.76E-06	4.88E-11	2.42E-03
HHR58	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.82E-14	2.95E-12	3.19E-14	7.69E-14	7.60E-14	1.51E-03	8.55E-06	5.76E-06	3.25E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.22E-14	4.16E-12	4.51E-14	1.09E-13	1.07E-13	1.51E-03	8.55E-06	5.76E-06	4.59E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.99E-14	5.06E-12	5.48E-14	1.32E-13	1.30E-13	1.51E-03	8.55E-06	5.76E-06	5.58E-11	2.42E-03
HHR59	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.71E-14	2.89E-12	3.13E-14	7.54E-14	7.45E-14	1.51E-03	8.55E-06	5.76E-06	3.19E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.20E-14	4.15E-12	4.50E-14	1.08E-13	1.07E-13	1.51E-03	8.55E-06	5.76E-06	4.58E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.96E-14	5.04E-12	5.46E-14	1.32E-13	1.30E-13	1.51E-03	8.55E-06	5.76E-06	5.56E-11	2.42E-03
HHR60	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.88E-14	2.98E-12	3.23E-14	7.77E-14	7.68E-14	1.51E-03	8.55E-06	5.76E-06	3.28E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.43E-14	4.77E-12	5.17E-14	1.25E-13	1.23E-13	1.51E-03	8.55E-06	5.76E-06	5.27E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.12E-13	5.68E-12	6.16E-14	1.48E-13	1.47E-13	1.51E-03	8.55E-06	5.76E-06	6.27E-11	2.42E-03
HHR61	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	1.23E-13	6.22E-12	6.75E-14	1.62E-13	1.61E-13	1.51E-03	8.55E-06	5.76E-06	6.87E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.34E-13	6.80E-12	7.37E-14	1.77E-13	1.75E-13	1.51E-03	8.55E-06	5.76E-06	7.50E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.48E-13	7.47E-12	8.10E-14	1.95E-13	1.93E-13	1.51E-03	8.55E-06	5.76E-06	8.25E-11	2.42E-03
HHR62	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	8.24E-14	4.17E-12	4.52E-14	1.09E-13	1.08E-13	1.51E-03	8.55E-06	5.76E-06	4.60E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.62E-14	4.87E-12	5.28E-14	1.27E-13	1.26E-13	1.51E-03	8.55E-06	5.76E-06	5.37E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.11E-13	5.60E-12	6.07E-14	1.46E-13	1.45E-13	1.51E-03	8.55E-06	5.76E-06	6.18E-11	2.42E-03
HHR63	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.38E-14	3.73E-12	4.05E-14	9.75E-14	9.63E-14	1.51E-03	8.55E-06	5.76E-06	4.12E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.56E-14	4.33E-12	4.70E-14	1.13E-13	1.12E-13	1.51E-03	8.55E-06	5.76E-06	4.78E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.00E-13	5.07E-12	5.49E-14	1.32E-13	1.31E-13	1.51E-03	8.55E-06	5.76E-06	5.59E-11	2.42E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.94E-14	3.51E-12	3.81E-14	9.17E-14	9.06E-14	1.51E-03	8.55E-06	5.76E-06	3.88E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.67E-14	3.88E-12	4.21E-14	1.01E-13	1.00E-13	1.51E-03	8.55E-06	5.76E-06	4.29E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.34E-14	4.73E-12	5.12E-14	1.23E-13	1.22E-13	1.51E-03	8.55E-06	5.76E-06	5.22E-11	2.42E-03
HHR65	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.66E-14	3.88E-12	4.20E-14	1.01E-13	1.00E-13	1.51E-03	8.55E-06	5.76E-06	4.28E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.70E-14	4.40E-12	4.77E-14	1.15E-13	1.14E-13	1.51E-03	8.55E-06	5.76E-06	4.86E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.03E-13	5.23E-12	5.67E-14	1.36E-13	1.35E-13	1.51E-03	8.55E-06	5.76E-06	5.77E-11	2.42E-03
HHR66	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.09E-14	3.08E-12	3.34E-14	8.04E-14	7.95E-14	1.51E-03	8.55E-06	5.76E-06	3.40E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.58E-14	4.34E-12	4.71E-14	1.13E-13	1.12E-13	1.51E-03	8.55E-06	5.76E-06	4.79E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.23E-13	6.20E-12	6.72E-14	1.62E-13	1.60E-13	1.51E-03	8.55E-06	5.76E-06	6.84E-11	2.42E-03
HHR67	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.33E-14	3.20E-12	3.47E-14	8.36E-14	8.27E-14	1.51E-03	8.55E-06	5.76E-06	3.54E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	9.29E-14	4.70E-12	5.10E-14	1.23E-13	1.21E-13	1.51E-03	8.55E-06	5.76E-06	5.19E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.35E-13	6.84E-12	7.41E-14	1.78E-13	1.76E-13	1.51E-03	8.55E-06	5.76E-06	7.54E-11	2.42E-03
HHR68	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.10E-14	3.09E-12	3.34E-14	8.05E-14	7.96E-14	1.51E-03	8.55E-06	5.76E-06	3.40E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.25E-14	4.17E-12	4.52E-14	1.09E-13	1.08E-13	1.51E-03	8.55E-06	5.76E-06	4.61E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.99E-14	5.06E-12	5.48E-14	1.32E-13	1.30E-13	1.51E-03	8.55E-06	5.76E-06	5.58E-11	2.42E-03
HHR69	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	4.85E-14	2.45E-12	2.66E-14	6.40E-14	6.33E-14	1.51E-03	8.55E-06	5.76E-06	2.71E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	5.45E-14	2.76E-12	2.99E-14	7.20E-14	7.12E-14	1.51E-03	8.55E-06	5.76E-06	3.05E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	6.87E-14	3.47E-12	3.77E-14	9.07E-14	8.96E-14	1.51E-03	8.55E-06	5.76E-06	3.83E-11	2.42E-03
HHR70	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.48E-14	2.77E-12	3.01E-14	7.24E-14	7.16E-14	1.51E-03	8.55E-06	5.76E-06	3.06E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	6.10E-14	3.09E-12	3.35E-14	8.05E-14	7.96E-14	1.51E-03	8.55E-06	5.76E-06	3.40E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.58E-14	3.84E-12	4.16E-14	1.00E-13	9.90E-14	1.51E-03	8.55E-06	5.76E-06	4.23E-11	2.42E-03
HHR71	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.61E-14	3.85E-12	4.17E-14	1.00E-13	9.93E-14	1.51E-03	8.55E-06	5.76E-06	4.25E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.24E-14	4.17E-12	4.52E-14	1.09E-13	1.08E-13	1.51E-03	8.55E-06	5.76E-06	4.60E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.90E-14	5.01E-12	5.43E-14	1.31E-13	1.29E-13	1.51E-03	8.55E-06	5.76E-06	5.53E-11	2.42E-03
HHR72	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	4.11E-14	2.08E-12	2.26E-14	5.43E-14	5.37E-14	1.51E-03	8.55E-06	5.76E-06	2.30E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	5.48E-14	2.77E-12	3.01E-14	7.24E-14	7.15E-14	1.51E-03	8.55E-06	5.76E-06	3.06E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	7.33E-14	3.71E-12	4.02E-14	9.68E-14	9.57E-14	1.51E-03	8.55E-06	5.76E-06	4.09E-11	2.42E-03
HHR73	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.09E-14	3.59E-12	3.89E-14	9.37E-14	9.26E-14	1.51E-03	8.55E-06	5.76E-06	3.96E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.79E-14	4.45E-12	4.82E-14	1.16E-13	1.15E-13	1.51E-03	8.55E-06	5.76E-06	4.91E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.04E-13	5.29E-12	5.73E-14	1.38E-13	1.36E-13	1.51E-03	8.55E-06	5.76E-06	5.83E-11	2.42E-03
HHR74	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.67E-14	3.38E-12	3.66E-14	8.81E-14	8.71E-14	1.51E-03	8.55E-06	5.76E-06	3.73E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.37E-14	3.73E-12	4.04E-14	9.73E-14	9.62E-14	1.51E-03	8.55E-06	5.76E-06	4.11E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.04E-14	4.57E-12	4.96E-14	1.19E-13	1.18E-13	1.51E-03	8.55E-06	5.76E-06	5.05E-11	2.42E-03
HHR75	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	9.13E-14	4.62E-12	5.01E-14	1.21E-13	1.19E-13	1.51E-03	8.55E-06	5.76E-06	5.10E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.01E-13	5.11E-12	5.54E-14	1.33E-13	1.32E-13	1.51E-03	8.55E-06	5.76E-06	5.64E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.22E-13	6.19E-12	6.71E-14	1.62E-13	1.60E-13	1.51E-03	8.55E-06	5.76E-06	6.83E-11	2.42E-03
HHR76	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	1.02E-13	5.18E-12	5.61E-14	1.35E-13	1.34E-13	1.51E-03	8.55E-06	5.76E-06	5.72E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	1.14E-13	5.78E-12	6.26E-14	1.51E-13	1.49E-13	1.51E-03	8.55E-06	5.76E-06	6.37E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.33E-13	6.73E-12	7.29E-14	1.76E-13	1.73E-13	1.51E-03	8.55E-06	5.76E-06	7.42E-11	2.42E-03
HHR77	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.87E-14	3.99E-12	4.32E-14	1.04E-13	1.03E-13	1.51E-03	8.55E-06	5.76E-06	4.40E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	8.87E-14	4.49E-12	4.87E-14	1.17E-13	1.16E-13	1.51E-03	8.55E-06	5.76E-06	4.96E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	1.06E-13	5.37E-12	5.82E-14	1.40E-13	1.39E-13	1.51E-03	8.55E-06	5.76E-06	5.93E-11	2.42E-03
HHR78	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.92E-14	3.50E-12	3.80E-14	9.14E-14	9.03E-14	1.51E-03	8.55E-06	5.76E-06	3.86E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.70E-14	3.89E-12	4.22E-14	1.02E-13	1.00E-13	1.51E-03	8.55E-06	5.76E-06	4.30E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.41E-14	4.76E-12	5.16E-14	1.24E-13	1.23E-13	1.51E-03	8.55E-06	5.76E-06	5.26E-11	2.42E-03
HHR79	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	7.02E-14	3.55E-12	3.85E-14	9.27E-14	9.16E-14	1.51E-03	8.55E-06	5.76E-06	3.92E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.80E-14	3.95E-12	4.28E-14	1.03E-13	1.02E-13	1.51E-03	8.55E-06	5.76E-06	4.35E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.52E-14	4.82E-12	5.22E-14	1.26E-13	1.24E-13	1.51E-03	8.55E-06	5.76E-06	5.32E-11	2.42E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.53E-14	3.31E-12	3.58E-14	8.63E-14	8.53E-14	1.51E-03	8.55E-06	5.76E-06	3.65E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.27E-14	3.68E-12	3.99E-14	9.60E-14	9.49E-14	1.51E-03	8.55E-06	5.76E-06	4.06E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.67E-14	4.89E-12	5.31E-14	1.28E-13	1.26E-13	1.51E-03	8.55E-06	5.76E-06	5.40E-11	2.42E-03
HHR81	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.94E-14	3.51E-12	3.81E-14	9.17E-14	9.07E-14	1.51E-03	8.55E-06	5.76E-06	3.88E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.67E-14	3.88E-12	4.21E-14	1.01E-13	1.00E-13	1.51E-03	8.55E-06	5.76E-06	4.29E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.38E-14	4.75E-12	5.15E-14	1.24E-13	1.22E-13	1.51E-03	8.55E-06	5.76E-06	5.24E-11	2.42E-03
HHR82	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.79E-14	3.44E-12	3.73E-14	8.97E-14	8.87E-14	1.51E-03	8.55E-06	5.76E-06	3.79E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.50E-14	3.80E-12	4.12E-14	9.91E-14	9.80E-14	1.51E-03	8.55E-06	5.76E-06	4.19E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.26E-14	4.69E-12	5.08E-14	1.22E-13	1.21E-13	1.51E-03	8.55E-06	5.76E-06	5.17E-11	2.42E-03
HHR83	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	6.69E-14	3.38E-12	3.67E-14	8.83E-14	8.73E-14	1.51E-03	8.55E-06	5.76E-06	3.73E-11	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	7.39E-14	3.74E-12	4.05E-14	9.75E-14	9.64E-14	1.51E-03	8.55E-06	5.76E-06	4.13E-11	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	9.09E-14	4.60E-12	4.99E-14	1.20E-13	1.19E-13	1.51E-03	8.55E-06	5.76E-06	5.08E-11	2.42E-03
MPOI	Baseline	2.98E-04	5.49E-04	4.48E-05	n/a	5.43E-13	2.75E-11	2.98E-13	7.17E-13	7.09E-13	1.51E-03	8.55E-06	5.76E-06	3.03E-10	2.42E-03
	Application	2.98E-04	5.49E-04	4.48E-05	n/a	2.12E-12	1.07E-10	1.16E-12	2.80E-12	2.77E-12	1.51E-03	8.55E-06	5.76E-06	1.19E-09	2.42E-03
	PDC	2.98E-04	5.49E-04	4.48E-05	n/a	2.14E-12	1.08E-10	1.17E-12	2.82E-12	2.79E-12	1.51E-03	8.55E-06	5.76E-06	1.19E-09	2.42E-03

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-17: Non-Carcinogenic Average Daily Dose for Fluorene

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR2	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR3	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR4	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR5	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR6	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR7	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR8	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR9	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR10	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR11	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR12	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR13	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR14	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR15	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR17	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR18	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR19	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR20	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR21	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR22	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR23	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR24	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR25	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR26	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR27	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR28	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR29	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR30	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR31	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR33	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR34	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR35	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR36	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR37	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR38	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR39	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR40	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR41	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR42	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR43	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR44	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR45	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR46	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR47	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR49	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR50	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR51	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR52	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR53	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR54	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR55	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR56	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR57	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR58	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR59	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR60	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR61	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR62	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR63	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR65	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR66	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR67	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR68	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR69	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR70	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR71	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR72	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR73	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR74	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR75	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR76	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR77	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR78	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR79	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR81	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR82	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
HHR83	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
MPOI	Baseline	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	Application	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03
	PDC	3.27E-08	7.82E-09	4.91E-09	n/a	3.92E-04	1.23E-03	8.16E-06	1.36E-05	2.39E-06	8.02E-05	1.40E-07	1.34E-08	7.19E-06	1.74E-03

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Table M4.1-18: Non-Carcinogenic Average Daily Dose for Formaldehyde

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	7.09E-12	1.31E-11	1.06E-12	n/a	1.61E-06	4.21E-08	1.49E-09	1.46E-07	1.36E-12	3.26E-10	5.12E-13	4.03E-13	1.86E-07	1.98E-06
	Application	7.12E-12	1.31E-11	1.07E-12	n/a	1.61E-06	4.22E-08	1.49E-09	1.46E-07	1.37E-12	3.27E-10	5.14E-13	4.04E-13	1.87E-07	1.99E-06
	PDC	8.32E-12	1.53E-11	1.25E-12	n/a	1.89E-06	4.93E-08	1.75E-09	1.71E-07	1.60E-12	3.83E-10	6.01E-13	4.72E-13	2.18E-07	2.33E-06
HHR2	Baseline	6.68E-12	1.23E-11	1.00E-12	n/a	1.51E-06	3.96E-08	1.40E-09	1.37E-07	1.28E-12	3.08E-10	4.83E-13	3.79E-13	1.76E-07	1.87E-06
	Application	6.71E-12	1.23E-11	1.01E-12	n/a	1.52E-06	3.98E-08	1.41E-09	1.38E-07	1.29E-12	3.09E-10	4.84E-13	3.81E-13	1.76E-07	1.88E-06
	PDC	9.41E-12	1.73E-11	1.41E-12	n/a	2.13E-06	5.58E-08	1.98E-09	1.94E-07	1.81E-12	4.33E-10	6.80E-13	5.34E-13	2.47E-07	2.63E-06
HHR3	Baseline	9.96E-13	1.83E-12	1.49E-13	n/a	2.26E-07	5.90E-09	2.09E-10	2.05E-08	1.91E-13	4.58E-11	7.19E-14	5.65E-14	2.61E-08	2.78E-07
	Application	1.05E-12	1.93E-12	1.57E-13	n/a	2.37E-07	6.21E-09	2.20E-10	2.15E-08	2.01E-13	4.82E-11	7.57E-14	5.95E-14	2.75E-08	2.93E-07
	PDC	1.46E-12	2.69E-12	2.19E-13	n/a	3.31E-07	8.67E-09	3.07E-10	3.01E-08	2.81E-13	6.73E-11	1.06E-13	8.30E-14	3.84E-08	4.09E-07
HHR4	Baseline	1.13E-11	2.08E-11	1.70E-12	n/a	2.56E-06	6.70E-08	2.37E-09	2.32E-07	2.17E-12	5.20E-10	8.16E-13	6.42E-13	2.97E-07	3.16E-06
	Application	1.13E-11	2.08E-11	1.70E-12	n/a	2.57E-06	6.72E-08	2.38E-09	2.33E-07	2.18E-12	5.21E-10	8.18E-13	6.43E-13	2.97E-07	3.17E-06
	PDC	1.25E-11	2.30E-11	1.87E-12	n/a	2.83E-06	7.41E-08	2.62E-09	2.57E-07	2.40E-12	5.75E-10	9.02E-13	7.09E-13	3.28E-07	3.49E-06
HHR5	Baseline	3.88E-12	7.13E-12	5.82E-13	n/a	8.78E-07	2.30E-08	8.14E-10	7.97E-08	7.45E-13	1.78E-10	2.80E-13	2.20E-13	1.02E-07	1.08E-06
	Application	3.90E-12	7.18E-12	5.86E-13	n/a	8.85E-07	2.31E-08	8.19E-10	8.03E-08	7.50E-13	1.80E-10	2.82E-13	2.22E-13	1.03E-07	1.09E-06
	PDC	7.54E-12	1.39E-11	1.13E-12	n/a	1.71E-06	4.47E-08	1.58E-09	1.55E-07	1.45E-12	3.47E-10	5.45E-13	4.28E-13	1.98E-07	2.11E-06
HHR6	Baseline	3.11E-12	5.73E-12	4.67E-13	n/a	7.06E-07	1.85E-08	6.54E-10	6.40E-08	5.99E-13	1.43E-10	2.25E-13	1.77E-13	8.18E-08	8.71E-07
	Application	3.15E-12	5.80E-12	4.73E-13	n/a	7.15E-07	1.87E-08	6.62E-10	6.49E-08	6.06E-13	1.45E-10	2.28E-13	1.79E-13	8.28E-08	8.82E-07
	PDC	3.72E-12	6.85E-12	5.58E-13	n/a	8.43E-07	2.21E-08	7.81E-10	7.65E-08	7.15E-13	1.71E-10	2.69E-13	2.11E-13	9.77E-08	1.04E-06
HHR7	Baseline	3.65E-13	6.71E-13	5.47E-14	n/a	8.26E-08	2.16E-09	7.65E-11	7.50E-09	7.01E-14	1.68E-11	2.63E-14	2.07E-14	9.57E-09	1.02E-07
	Application	3.76E-13	6.92E-13	5.65E-14	n/a	8.53E-08	2.23E-09	7.90E-11	7.74E-09	7.23E-14	1.73E-11	2.72E-14	2.14E-14	9.88E-09	1.05E-07
	PDC	5.17E-13	9.52E-13	7.76E-14	n/a	1.17E-07	3.07E-09	1.09E-10	1.06E-08	9.94E-14	2.38E-11	3.74E-14	2.94E-14	1.36E-08	1.45E-07
HHR8	Baseline	1.38E-11	2.54E-11	2.07E-12	n/a	3.13E-06	8.18E-08	2.89E-09	2.84E-07	2.65E-12	6.35E-10	9.96E-13	7.83E-13	3.62E-07	3.86E-06
	Application	1.38E-11	2.54E-11	2.07E-12	n/a	3.13E-06	8.19E-08	2.90E-09	2.84E-07	2.65E-12	6.36E-10	9.98E-13	7.84E-13	3.63E-07	3.86E-06
	PDC	1.54E-11	2.84E-11	2.32E-12	n/a	3.50E-06	9.15E-08	3.24E-09	3.17E-07	2.97E-12	7.10E-10	1.11E-12	8.76E-13	4.05E-07	4.31E-06
HHR9	Baseline	1.03E-11	1.89E-11	1.54E-12	n/a	2.33E-06	6.08E-08	2.15E-09	2.11E-07	1.97E-12	4.72E-10	7.41E-13	5.82E-13	2.69E-07	2.87E-06
	Application	1.03E-11	1.89E-11	1.54E-12	n/a	2.33E-06	6.10E-08	2.16E-09	2.11E-07	1.98E-12	4.73E-10	7.43E-13	5.84E-13	2.70E-07	2.88E-06
	PDC	1.16E-11	2.13E-11	1.74E-12	n/a	2.62E-06	6.87E-08	2.43E-09	2.38E-07	2.23E-12	5.33E-10	8.36E-13	6.57E-13	3.04E-07	3.24E-06
HHR10	Baseline	2.21E-12	4.07E-12	3.32E-13	n/a	5.02E-07	1.31E-08	4.65E-10	4.55E-08	4.25E-13	1.02E-10	1.60E-13	1.26E-13	5.81E-08	6.19E-07
	Application	2.23E-12	4.11E-12	3.35E-13	n/a	5.06E-07	1.32E-08	4.69E-10	4.59E-08	4.29E-13	1.03E-10	1.61E-13	1.27E-13	5.86E-08	6.25E-07
	PDC	3.08E-12	5.67E-12	4.62E-13	n/a	6.98E-07	1.83E-08	6.46E-10	6.33E-08	5.92E-13	1.42E-10	2.22E-13	1.75E-13	8.09E-08	8.61E-07
HHR11	Baseline	9.50E-12	1.75E-11	1.43E-12	n/a	2.15E-06	5.63E-08	1.99E-09	1.95E-07	1.83E-12	4.37E-10	6.86E-13	5.39E-13	2.49E-07	2.66E-06
	Application	9.53E-12	1.75E-11	1.43E-12	n/a	2.16E-06	5.65E-08	2.00E-09	1.96E-07	1.83E-12	4.39E-10	6.88E-13	5.41E-13	2.50E-07	2.66E-06
	PDC	1.03E-11	1.89E-11	1.54E-12	n/a	2.32E-06	6.08E-08	2.15E-09	2.11E-07	1.97E-12	4.72E-10	7.40E-13	5.82E-13	2.69E-07	2.87E-06
HHR12	Baseline	1.77E-11	3.26E-11	2.66E-12	n/a	4.01E-06	1.05E-07	3.72E-09	3.64E-07	3.40E-12	8.15E-10	1.28E-12	1.01E-12	4.65E-07	4.95E-06
	Application	1.77E-11	3.26E-11	2.66E-12	n/a	4.02E-06	1.05E-07	3.72E-09	3.65E-07	3.41E-12	8.16E-10	1.28E-12	1.01E-12	4.66E-07	4.96E-06
	PDC	1.91E-11	3.52E-11	2.87E-12	n/a	4.33E-06	1.13E-07	4.01E-09	3.93E-07	3.67E-12	8.79E-10	1.38E-12	1.08E-12	5.02E-07	5.34E-06
HHR13	Baseline	1.40E-11	2.58E-11	2.10E-12	n/a	3.17E-06	8.31E-08	2.94E-09	2.88E-07	2.69E-12	6.45E-10	1.01E-12	7.95E-13	3.68E-07	3.92E-06
	Application	1.40E-11	2.58E-11	2.11E-12	n/a	3.18E-06	8.33E-08	2.95E-09	2.89E-07	2.70E-12	6.46E-10	1.01E-12	7.97E-13	3.69E-07	3.93E-06
	PDC	1.47E-11	2.71E-11	2.21E-12	n/a	3.34E-06	8.74E-08	3.09E-09	3.03E-07	2.83E-12	6.79E-10	1.07E-12	8.37E-13	3.87E-07	4.12E-06
HHR14	Baseline	4.95E-12	9.11E-12	7.43E-13	n/a	1.12E-06	2.93E-08	1.04E-09	1.02E-07	9.51E-13	2.28E-10	3.58E-13	2.81E-13	1.30E-07	1.38E-06
	Application	4.98E-12	9.16E-12	7.47E-13	n/a	1.13E-06	2.95E-08	1.04E-09	1.02E-07	9.57E-13	2.29E-10	3.60E-13	2.83E-13	1.31E-07	1.39E-06
	PDC	6.22E-12	1.14E-11	9.34E-13	n/a	1.41E-06	3.69E-08	1.31E-09	1.28E-07	1.20E-12	2.86E-10	4.49E-13	3.53E-13	1.63E-07	1.74E-06
HHR15	Baseline	3.62E-13	6.66E-13	5.43E-14	n/a	8.20E-08	2.15E-09	7.60E-11	7.44E-09	6.96E-14	1.67E-11	2.61E-14	2.05E-14	9.50E-09	1.01E-07
	Application	4.10E-13	7.54E-13	6.15E-14	n/a	9.29E-08	2.43E-09	8.60E-11	8.43E-09	7.88E-14	1.89E-11	2.96E-14	2.33E-14	1.08E-08	1.15E-07
	PDC	6.10E-13	1.12E-12	9.15E-14	n/a	1.38E-07	3.61E-09	1.28E-10	1.25E-08	1.17E-13	2.81E-11	4.40E-14	3.46E-14	1.60E-08	1.70E-07

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	4.12E-12	7.58E-12	6.19E-13	n/a	9.34E-07	2.44E-08	8.65E-10	8.47E-08	7.92E-13	1.90E-10	2.98E-13	2.34E-13	1.08E-07	1.15E-06
	Application	4.14E-12	7.62E-12	6.22E-13	n/a	9.39E-07	2.46E-08	8.69E-10	8.52E-08	7.96E-13	1.91E-10	2.99E-13	2.35E-13	1.09E-07	1.16E-06
	PDC	4.85E-12	8.92E-12	7.27E-13	n/a	1.10E-06	2.87E-08	1.02E-09	9.96E-08	9.31E-13	2.23E-10	3.50E-13	2.75E-13	1.27E-07	1.35E-06
HHR17	Baseline	1.50E-12	2.76E-12	2.25E-13	n/a	3.40E-07	8.90E-09	3.15E-10	3.09E-08	2.89E-13	6.91E-11	1.08E-13	8.52E-14	3.94E-08	4.20E-07
	Application	1.52E-12	2.80E-12	2.29E-13	n/a	3.45E-07	9.03E-09	3.20E-10	3.13E-08	2.93E-13	7.01E-11	1.10E-13	8.64E-14	4.00E-08	4.26E-07
	PDC	2.22E-12	4.08E-12	3.33E-13	n/a	5.03E-07	1.32E-08	4.66E-10	4.56E-08	4.26E-13	1.02E-10	1.60E-13	1.26E-13	5.83E-08	6.20E-07
HHR18	Baseline	1.78E-11	3.28E-11	2.68E-12	n/a	4.04E-06	1.06E-07	3.75E-09	3.67E-07	3.43E-12	8.21E-10	1.29E-12	1.01E-12	4.69E-07	4.99E-06
	Application	1.79E-11	3.29E-11	2.68E-12	n/a	4.05E-06	1.06E-07	3.75E-09	3.67E-07	3.43E-12	8.22E-10	1.29E-12	1.01E-12	4.69E-07	4.99E-06
	PDC	1.90E-11	3.50E-11	2.86E-12	n/a	4.31E-06	1.13E-07	4.00E-09	3.91E-07	3.66E-12	8.76E-10	1.37E-12	1.08E-12	5.00E-07	5.32E-06
HHR19	Baseline	1.77E-11	3.25E-11	2.65E-12	n/a	4.00E-06	1.05E-07	3.71E-09	3.63E-07	3.40E-12	8.13E-10	1.28E-12	1.00E-12	4.64E-07	4.94E-06
	Application	1.77E-11	3.26E-11	2.66E-12	n/a	4.01E-06	1.05E-07	3.71E-09	3.64E-07	3.40E-12	8.14E-10	1.28E-12	1.00E-12	4.65E-07	4.95E-06
	PDC	1.85E-11	3.40E-11	2.77E-12	n/a	4.18E-06	1.09E-07	3.87E-09	3.80E-07	3.55E-12	8.49E-10	1.33E-12	1.05E-12	4.85E-07	5.16E-06
HHR20	Baseline	2.13E-11	3.93E-11	3.20E-12	n/a	4.84E-06	1.27E-07	4.48E-09	4.39E-07	4.10E-12	9.82E-10	1.54E-12	1.21E-12	5.60E-07	5.97E-06
	Application	2.14E-11	3.93E-11	3.21E-12	n/a	4.84E-06	1.27E-07	4.48E-09	4.39E-07	4.11E-12	9.83E-10	1.54E-12	1.21E-12	5.61E-07	5.97E-06
	PDC	2.22E-11	4.09E-11	3.34E-12	n/a	5.04E-06	1.32E-07	4.67E-09	4.57E-07	4.27E-12	1.02E-09	1.61E-12	1.26E-12	5.84E-07	6.22E-06
HHR21	Baseline	1.16E-11	2.13E-11	1.73E-12	n/a	2.62E-06	6.85E-08	2.42E-09	2.38E-07	2.22E-12	5.32E-10	8.34E-13	6.56E-13	3.03E-07	3.23E-06
	Application	1.16E-11	2.13E-11	1.74E-12	n/a	2.63E-06	6.87E-08	2.43E-09	2.38E-07	2.23E-12	5.33E-10	8.37E-13	6.58E-13	3.04E-07	3.24E-06
	PDC	1.23E-11	2.26E-11	1.85E-12	n/a	2.79E-06	7.29E-08	2.58E-09	2.53E-07	2.36E-12	5.66E-10	8.88E-13	6.98E-13	3.23E-07	3.44E-06
HHR22	Baseline	6.22E-12	1.15E-11	9.34E-13	n/a	1.41E-06	3.69E-08	1.31E-09	1.28E-07	1.20E-12	2.86E-10	4.50E-13	3.53E-13	1.63E-07	1.74E-06
	Application	6.26E-12	1.15E-11	9.40E-13	n/a	1.42E-06	3.71E-08	1.31E-09	1.29E-07	1.20E-12	2.88E-10	4.52E-13	3.56E-13	1.64E-07	1.75E-06
	PDC	7.12E-12	1.31E-11	1.07E-12	n/a	1.61E-06	4.22E-08	1.49E-09	1.46E-07	1.37E-12	3.28E-10	5.14E-13	4.04E-13	1.87E-07	1.99E-06
HHR23	Baseline	1.57E-11	2.89E-11	2.36E-12	n/a	3.56E-06	9.31E-08	3.30E-09	3.23E-07	3.02E-12	7.23E-10	1.13E-12	8.91E-13	4.12E-07	4.39E-06
	Application	1.57E-11	2.89E-11	2.36E-12	n/a	3.56E-06	9.33E-08	3.30E-09	3.23E-07	3.02E-12	7.24E-10	1.14E-12	8.93E-13	4.13E-07	4.40E-06
	PDC	1.70E-11	3.12E-11	2.55E-12	n/a	3.85E-06	1.01E-07	3.56E-09	3.49E-07	3.26E-12	7.81E-10	1.23E-12	9.64E-13	4.46E-07	4.75E-06
HHR24	Baseline	1.62E-11	2.97E-11	2.43E-12	n/a	3.66E-06	9.58E-08	3.39E-09	3.32E-07	3.11E-12	7.44E-10	1.17E-12	9.17E-13	4.24E-07	4.52E-06
	Application	1.62E-11	2.98E-11	2.43E-12	n/a	3.67E-06	9.59E-08	3.40E-09	3.33E-07	3.11E-12	7.45E-10	1.17E-12	9.19E-13	4.25E-07	4.53E-06
	PDC	1.75E-11	3.22E-11	2.63E-12	n/a	3.97E-06	1.04E-07	3.68E-09	3.60E-07	3.37E-12	8.06E-10	1.27E-12	9.94E-13	4.60E-07	4.90E-06
HHR25	Baseline	2.56E-12	4.70E-12	3.84E-13	n/a	5.79E-07	1.52E-08	5.37E-10	5.26E-08	4.91E-13	1.18E-10	1.85E-13	1.45E-13	6.71E-08	7.15E-07
	Application	2.61E-12	4.81E-12	3.92E-13	n/a	5.92E-07	1.55E-08	5.48E-10	5.37E-08	5.02E-13	1.20E-10	1.89E-13	1.48E-13	6.86E-08	7.30E-07
	PDC	3.23E-12	5.94E-12	4.84E-13	n/a	7.31E-07	1.91E-08	6.77E-10	6.63E-08	6.20E-13	1.48E-10	2.33E-13	1.83E-13	8.47E-08	9.02E-07
HHR26	Baseline	1.20E-12	2.21E-12	1.81E-13	n/a	2.73E-07	7.13E-09	2.52E-10	2.47E-08	2.31E-13	5.54E-11	8.69E-14	6.83E-14	3.16E-08	3.36E-07
	Application	1.28E-12	2.35E-12	1.91E-13	n/a	2.89E-07	7.56E-09	2.68E-10	2.62E-08	2.45E-13	5.87E-11	9.21E-14	7.24E-14	3.35E-08	3.57E-07
	PDC	1.74E-12	3.19E-12	2.61E-13	n/a	3.93E-07	1.03E-08	3.64E-10	3.57E-08	3.34E-13	7.99E-11	1.25E-13	9.85E-14	4.56E-08	4.85E-07
HHR27	Baseline	7.97E-13	1.47E-12	1.20E-13	n/a	1.81E-07	4.73E-09	1.67E-10	1.64E-08	1.53E-13	3.67E-11	5.76E-14	4.53E-14	2.09E-08	2.23E-07
	Application	8.65E-13	1.59E-12	1.30E-13	n/a	1.96E-07	5.13E-09	1.81E-10	1.78E-08	1.66E-13	3.98E-11	6.24E-14	4.91E-14	2.27E-08	2.42E-07
	PDC	1.25E-12	2.29E-12	1.87E-13	n/a	2.82E-07	7.39E-09	2.62E-10	2.56E-08	2.39E-13	5.73E-11	9.00E-14	7.07E-14	3.27E-08	3.48E-07
HHR28	Baseline	6.65E-13	1.22E-12	9.98E-14	n/a	1.51E-07	3.94E-09	1.40E-10	1.37E-08	1.28E-13	3.06E-11	4.80E-14	3.77E-14	1.75E-08	1.86E-07
	Application	6.89E-13	1.27E-12	1.03E-13	n/a	1.56E-07	4.09E-09	1.45E-10	1.42E-08	1.33E-13	3.17E-11	4.98E-14	3.91E-14	1.81E-08	1.93E-07
	PDC	1.03E-12	1.89E-12	1.54E-13	n/a	2.33E-07	6.10E-09	2.16E-10	2.12E-08	1.98E-13	4.74E-11	7.43E-14	5.84E-14	2.70E-08	2.88E-07
HHR29	Baseline	2.60E-11	4.79E-11	3.91E-12	n/a	5.90E-06	1.54E-07	5.47E-09	5.35E-07	5.01E-12	1.20E-09	1.88E-12	1.48E-12	6.84E-07	7.28E-06
	Application	2.61E-11	4.80E-11	3.91E-12	n/a	5.91E-06	1.55E-07	5.47E-09	5.36E-07	5.01E-12	1.20E-09	1.88E-12	1.48E-12	6.84E-07	7.29E-06
	PDC	2.80E-11	5.15E-11	4.20E-12	n/a	6.34E-06	1.66E-07	5.88E-09	5.76E-07	5.38E-12	1.29E-09	2.02E-12	1.59E-12	7.35E-07	7.83E-06
HHR30	Baseline	2.12E-12	3.90E-12	3.18E-13	n/a	4.81E-07	1.26E-08	4.45E-10	4.36E-08	4.08E-13	9.76E-11	1.53E-13	1.20E-13	5.57E-08	5.93E-07
	Application	2.14E-12	3.95E-12	3.22E-13	n/a	4.86E-07	1.27E-08	4.50E-10	4.41E-08	4.12E-13	9.87E-11	1.55E-13	1.22E-13	5.63E-08	6.00E-07
	PDC	4.34E-12	7.98E-12	6.51E-13	n/a	9.83E-07	2.57E-08	9.10E-10	8.92E-08	8.34E-13	2.00E-10	3.13E-13	2.46E-13	1.14E-07	1.21E-06
HHR31	Baseline	9.09E-11	1.67E-10	1.36E-11	n/a	2.06E-05	5.39E-07	1.91E-08	1.87E-06	1.75E-11	4.18E-09	6.57E-12	5.16E-12	2.39E-06	2.54E-05
	Application	9.09E-11	1.67E-10	1.36E-11	n/a	2.06E-05	5.39E-07	1.91E-08	1.87E-06	1.75E-11	4.18E-09	6.57E-12	5.16E-12	2.39E-06	2.54E-05
	PDC	9.27E-11	1.71E-10	1.39E-11	n/a	2.10E-05	5.50E-07	1.95E-08	1.91E-06	1.78E-11	4.27E-09	6.70E-12	5.26E-12	2.43E-06	2.59E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	5.17E-11	9.51E-11	7.76E-12	n/a	1.17E-05	3.07E-07	1.09E-08	1.06E-06	9.94E-12	2.38E-09	3.73E-12	2.93E-12	1.36E-06	1.45E-05
	Application	5.17E-11	9.52E-11	7.76E-12	n/a	1.17E-05	3.07E-07	1.09E-08	1.06E-06	9.94E-12	2.38E-09	3.74E-12	2.94E-12	1.36E-06	1.45E-05
	PDC	5.33E-11	9.81E-11	8.00E-12	n/a	1.21E-05	3.16E-07	1.12E-08	1.10E-06	1.02E-11	2.45E-09	3.85E-12	3.03E-12	1.40E-06	1.49E-05
HHR33	Baseline	5.01E-11	9.22E-11	7.52E-12	n/a	1.14E-05	2.97E-07	1.05E-08	1.03E-06	9.63E-12	2.31E-09	3.62E-12	2.84E-12	1.32E-06	1.40E-05
	Application	5.01E-11	9.22E-11	7.52E-12	n/a	1.14E-05	2.97E-07	1.05E-08	1.03E-06	9.64E-12	2.31E-09	3.62E-12	2.85E-12	1.32E-06	1.40E-05
	PDC	5.19E-11	9.54E-11	7.78E-12	n/a	1.18E-05	3.07E-07	1.09E-08	1.07E-06	9.97E-12	2.39E-09	3.75E-12	2.94E-12	1.36E-06	1.45E-05
HHR34	Baseline	3.97E-12	7.31E-12	5.97E-13	n/a	9.01E-07	2.36E-08	8.34E-10	8.17E-08	7.64E-13	1.83E-10	2.87E-13	2.26E-13	1.04E-07	1.11E-06
	Application	3.99E-12	7.35E-12	6.00E-13	n/a	9.05E-07	2.37E-08	8.38E-10	8.21E-08	7.68E-13	1.84E-10	2.89E-13	2.27E-13	1.05E-07	1.12E-06
	PDC	4.69E-12	8.63E-12	7.04E-13	n/a	1.06E-06	2.78E-08	9.85E-10	9.65E-08	9.02E-13	2.16E-10	3.39E-13	2.66E-13	1.23E-07	1.31E-06
HHR35	Baseline	4.22E-11	7.77E-11	6.34E-12	n/a	9.56E-06	2.50E-07	8.86E-09	8.68E-07	8.11E-12	1.94E-09	3.05E-12	2.40E-12	1.11E-06	1.18E-05
	Application	4.22E-11	7.77E-11	6.34E-12	n/a	9.57E-06	2.50E-07	8.86E-09	8.68E-07	8.12E-12	1.94E-09	3.05E-12	2.40E-12	1.11E-06	1.18E-05
	PDC	4.37E-11	8.04E-11	6.56E-12	n/a	9.90E-06	2.59E-07	9.17E-09	8.98E-07	8.40E-12	2.01E-09	3.16E-12	2.48E-12	1.15E-06	1.22E-05
HHR36	Baseline	2.54E-11	4.67E-11	3.81E-12	n/a	5.75E-06	1.50E-07	5.32E-09	5.22E-07	4.88E-12	1.17E-09	1.83E-12	1.44E-12	6.66E-07	7.09E-06
	Application	2.54E-11	4.67E-11	3.81E-12	n/a	5.75E-06	1.51E-07	5.33E-09	5.22E-07	4.88E-12	1.17E-09	1.83E-12	1.44E-12	6.67E-07	7.10E-06
	PDC	2.69E-11	4.95E-11	4.04E-12	n/a	6.09E-06	1.59E-07	5.64E-09	5.53E-07	5.17E-12	1.24E-09	1.94E-12	1.53E-12	7.06E-07	7.52E-06
HHR37	Baseline	2.87E-12	5.29E-12	4.31E-13	n/a	6.51E-07	1.70E-08	6.03E-10	5.91E-08	5.52E-13	1.32E-10	2.07E-13	1.63E-13	7.54E-08	8.03E-07
	Application	2.90E-12	5.33E-12	4.35E-13	n/a	6.57E-07	1.72E-08	6.08E-10	5.96E-08	5.57E-13	1.33E-10	2.09E-13	1.65E-13	7.61E-08	8.10E-07
	PDC	1.90E-11	3.49E-11	2.85E-12	n/a	4.30E-06	1.13E-07	3.98E-09	3.90E-07	3.65E-12	8.74E-10	1.37E-12	1.08E-12	4.98E-07	5.31E-06
HHR38	Baseline	1.58E-11	2.90E-11	2.37E-12	n/a	3.58E-06	9.36E-08	3.31E-09	3.24E-07	3.03E-12	7.26E-10	1.14E-12	8.96E-13	4.14E-07	4.41E-06
	Application	1.58E-11	2.91E-11	2.37E-12	n/a	3.58E-06	9.37E-08	3.32E-09	3.25E-07	3.04E-12	7.27E-10	1.14E-12	8.97E-13	4.15E-07	4.42E-06
	PDC	1.73E-11	3.19E-11	2.60E-12	n/a	3.93E-06	1.03E-07	3.64E-09	3.57E-07	3.33E-12	7.98E-10	1.25E-12	9.84E-13	4.55E-07	4.85E-06
HHR39	Baseline	1.54E-12	2.83E-12	2.31E-13	n/a	3.48E-07	9.11E-09	3.23E-10	3.16E-08	2.95E-13	7.07E-11	1.11E-13	8.72E-14	4.03E-08	4.30E-07
	Application	1.56E-12	2.87E-12	2.34E-13	n/a	3.53E-07	9.25E-09	3.27E-10	3.21E-08	3.00E-13	7.18E-11	1.13E-13	8.85E-14	4.10E-08	4.36E-07
	PDC	2.38E-12	4.38E-12	3.57E-13	n/a	5.39E-07	1.41E-08	5.00E-10	4.89E-08	4.58E-13	1.10E-10	1.72E-13	1.35E-13	6.25E-08	6.66E-07
HHR40	Baseline	1.42E-12	2.62E-12	2.14E-13	n/a	3.23E-07	8.44E-09	2.99E-10	2.93E-08	2.74E-13	6.55E-11	1.03E-13	8.08E-14	3.74E-08	3.98E-07
	Application	1.45E-12	2.66E-12	2.17E-13	n/a	3.27E-07	8.57E-09	3.03E-10	2.97E-08	2.78E-13	6.65E-11	1.04E-13	8.20E-14	3.79E-08	4.04E-07
	PDC	2.15E-12	3.96E-12	3.23E-13	n/a	4.87E-07	1.27E-08	4.51E-10	4.42E-08	4.13E-13	9.89E-11	1.55E-13	1.22E-13	5.64E-08	6.01E-07
HHR41	Baseline	1.83E-12	3.36E-12	2.74E-13	n/a	4.14E-07	1.08E-08	3.83E-10	3.75E-08	3.51E-13	8.40E-11	1.32E-13	1.04E-13	4.79E-08	5.11E-07
	Application	1.85E-12	3.40E-12	2.77E-13	n/a	4.19E-07	1.10E-08	3.88E-10	3.80E-08	3.55E-13	8.50E-11	1.33E-13	1.05E-13	4.85E-08	5.17E-07
	PDC	2.86E-12	5.27E-12	4.30E-13	n/a	6.49E-07	1.70E-08	6.01E-10	5.89E-08	5.50E-13	1.32E-10	2.07E-13	1.63E-13	7.52E-08	8.01E-07
HHR42	Baseline	4.43E-12	8.14E-12	6.64E-13	n/a	1.00E-06	2.62E-08	9.29E-10	9.10E-08	8.51E-13	2.04E-10	3.20E-13	2.51E-13	1.16E-07	1.24E-06
	Application	4.45E-12	8.18E-12	6.68E-13	n/a	1.01E-06	2.64E-08	9.34E-10	9.15E-08	8.55E-13	2.05E-10	3.21E-13	2.52E-13	1.17E-07	1.24E-06
	PDC	5.16E-12	9.50E-12	7.75E-13	n/a	1.17E-06	3.06E-08	1.08E-09	1.06E-07	9.93E-13	2.38E-10	3.73E-13	2.93E-13	1.36E-07	1.44E-06
HHR43	Baseline	1.01E-11	1.86E-11	1.52E-12	n/a	2.29E-06	5.99E-08	2.12E-09	2.08E-07	1.94E-12	4.65E-10	7.29E-13	5.73E-13	2.65E-07	2.82E-06
	Application	1.01E-11	1.86E-11	1.52E-12	n/a	2.29E-06	6.00E-08	2.13E-09	2.08E-07	1.95E-12	4.66E-10	7.31E-13	5.75E-13	2.66E-07	2.83E-06
	PDC	1.13E-11	2.08E-11	1.69E-12	n/a	2.56E-06	6.69E-08	2.37E-09	2.32E-07	2.17E-12	5.20E-10	8.16E-13	6.41E-13	2.96E-07	3.16E-06
HHR44	Baseline	1.45E-11	2.66E-11	2.17E-12	n/a	3.28E-06	8.58E-08	3.04E-09	2.98E-07	2.78E-12	6.66E-10	1.05E-12	8.21E-13	3.80E-07	4.05E-06
	Application	1.45E-11	2.67E-11	2.18E-12	n/a	3.29E-06	8.60E-08	3.04E-09	2.98E-07	2.79E-12	6.67E-10	1.05E-12	8.23E-13	3.81E-07	4.05E-06
	PDC	1.56E-11	2.88E-11	2.35E-12	n/a	3.54E-06	9.27E-08	3.28E-09	3.21E-07	3.00E-12	7.19E-10	1.13E-12	8.87E-13	4.10E-07	4.37E-06
HHR45	Baseline	5.40E-13	9.93E-13	8.10E-14	n/a	1.22E-07	3.20E-09	1.13E-10	1.11E-08	1.04E-13	2.48E-11	3.90E-14	3.06E-14	1.42E-08	1.51E-07
	Application	5.61E-13	1.03E-12	8.42E-14	n/a	1.27E-07	3.33E-09	1.18E-10	1.15E-08	1.08E-13	2.58E-11	4.05E-14	3.19E-14	1.47E-08	1.57E-07
	PDC	8.27E-13	1.52E-12	1.24E-13	n/a	1.87E-07	4.90E-09	1.74E-10	1.70E-08	1.59E-13	3.80E-11	5.97E-14	4.69E-14	2.17E-08	2.31E-07
HHR46	Baseline	1.02E-12	1.88E-12	1.53E-13	n/a	2.31E-07	6.05E-09	2.14E-10	2.10E-08	1.96E-13	4.70E-11	7.37E-14	5.80E-14	2.68E-08	2.85E-07
	Application	1.06E-12	1.95E-12	1.59E-13	n/a	2.40E-07	6.29E-09	2.23E-10	2.18E-08	2.04E-13	4.88E-11	7.66E-14	6.02E-14	2.78E-08	2.96E-07
	PDC	1.83E-12	3.37E-12	2.75E-13	n/a	4.15E-07	1.09E-08	3.84E-10	3.77E-08	3.52E-13	8.43E-11	1.32E-13	1.04E-13	4.81E-08	5.12E-07
HHR47	Baseline	1.24E-12	2.29E-12	1.87E-13	n/a	2.82E-07	7.38E-09	2.61E-10	2.56E-08	2.39E-13	5.73E-11	8.99E-14	7.06E-14	3.27E-08	3.48E-07
	Application	1.28E-12	2.35E-12	1.92E-13	n/a	2.90E-07	7.59E-09	2.69E-10	2.63E-08	2.46E-13	5.89E-11	9.24E-14	7.26E-14	3.36E-08	3.58E-07
	PDC	2.05E-12	3.77E-12	3.07E-13	n/a	4.64E-07	1.21E-08	4.30E-10	4.21E-08	3.94E-13	9.42E-11	1.48E-13	1.16E-13	5.38E-08	5.73E-07

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.31E-12	2.41E-12	1.96E-13	n/a	2.97E-07	7.76E-09	2.75E-10	2.69E-08	2.52E-13	6.02E-11	9.45E-14	7.43E-14	3.44E-08	3.66E-07
	Application	1.33E-12	2.45E-12	2.00E-13	n/a	3.02E-07	7.89E-09	2.79E-10	2.74E-08	2.56E-13	6.12E-11	9.61E-14	7.55E-14	3.49E-08	3.72E-07
	PDC	1.98E-12	3.65E-12	2.98E-13	n/a	4.50E-07	1.18E-08	4.17E-10	4.08E-08	3.81E-13	9.13E-11	1.43E-13	1.13E-13	5.21E-08	5.55E-07
HHR49	Baseline	9.37E-13	1.72E-12	1.41E-13	n/a	2.12E-07	5.55E-09	1.97E-10	1.93E-08	1.80E-13	4.31E-11	6.77E-14	5.32E-14	2.46E-08	2.62E-07
	Application	9.82E-13	1.81E-12	1.47E-13	n/a	2.23E-07	5.82E-09	2.06E-10	2.02E-08	1.89E-13	4.52E-11	7.10E-14	5.58E-14	2.58E-08	2.75E-07
	PDC	1.67E-12	3.08E-12	2.51E-13	n/a	3.79E-07	9.93E-09	3.51E-10	3.44E-08	3.22E-13	7.70E-11	1.21E-13	9.50E-14	4.40E-08	4.68E-07
HHR50	Baseline	1.35E-12	2.48E-12	2.02E-13	n/a	3.06E-07	8.00E-09	2.83E-10	2.77E-08	2.59E-13	6.21E-11	9.74E-14	7.66E-14	3.54E-08	3.77E-07
	Application	1.38E-12	2.55E-12	2.08E-13	n/a	3.14E-07	8.20E-09	2.90E-10	2.84E-08	2.66E-13	6.37E-11	9.99E-14	7.85E-14	3.63E-08	3.87E-07
	PDC	2.15E-12	3.95E-12	3.23E-13	n/a	4.87E-07	1.27E-08	4.51E-10	4.42E-08	4.13E-13	9.89E-11	1.55E-13	1.22E-13	5.64E-08	6.01E-07
HHR51	Baseline	8.39E-13	1.54E-12	1.26E-13	n/a	1.90E-07	4.97E-09	1.76E-10	1.72E-08	1.61E-13	3.86E-11	6.06E-14	4.76E-14	2.20E-08	2.34E-07
	Application	8.84E-13	1.63E-12	1.33E-13	n/a	2.00E-07	5.24E-09	1.86E-10	1.82E-08	1.70E-13	4.07E-11	6.38E-14	5.02E-14	2.32E-08	2.47E-07
	PDC	1.45E-12	2.66E-12	2.17E-13	n/a	3.28E-07	8.59E-09	3.04E-10	2.98E-08	2.78E-13	6.66E-11	1.05E-13	8.22E-14	3.80E-08	4.05E-07
HHR52	Baseline	4.77E-12	8.78E-12	7.16E-13	n/a	1.08E-06	2.83E-08	1.00E-09	9.81E-08	9.18E-13	2.20E-10	3.45E-13	2.71E-13	1.25E-07	1.33E-06
	Application	4.79E-12	8.82E-12	7.20E-13	n/a	1.09E-06	2.84E-08	1.01E-09	9.86E-08	9.22E-13	2.21E-10	3.46E-13	2.72E-13	1.26E-07	1.34E-06
	PDC	5.73E-12	1.05E-11	8.60E-13	n/a	1.30E-06	3.40E-08	1.20E-09	1.18E-07	1.10E-12	2.64E-10	4.14E-13	3.25E-13	1.50E-07	1.60E-06
HHR53	Baseline	1.28E-12	2.35E-12	1.92E-13	n/a	2.90E-07	7.59E-09	2.69E-10	2.63E-08	2.46E-13	5.89E-11	9.24E-14	7.26E-14	3.36E-08	3.58E-07
	Application	1.32E-12	2.43E-12	1.99E-13	n/a	3.00E-07	7.84E-09	2.78E-10	2.72E-08	2.54E-13	6.09E-11	9.55E-14	7.51E-14	3.47E-08	3.70E-07
	PDC	2.40E-12	4.42E-12	3.60E-13	n/a	5.44E-07	1.42E-08	5.04E-10	4.94E-08	4.62E-13	1.10E-10	1.73E-13	1.36E-13	6.30E-08	6.71E-07
HHR54	Baseline	4.67E-12	8.60E-12	7.01E-13	n/a	1.06E-06	2.77E-08	9.81E-10	9.61E-08	8.98E-13	2.15E-10	3.38E-13	2.65E-13	1.23E-07	1.31E-06
	Application	4.69E-12	8.64E-12	7.05E-13	n/a	1.06E-06	2.78E-08	9.85E-10	9.65E-08	9.02E-13	2.16E-10	3.39E-13	2.66E-13	1.23E-07	1.31E-06
	PDC	5.69E-12	1.05E-11	8.54E-13	n/a	1.29E-06	3.37E-08	1.19E-09	1.17E-07	1.09E-12	2.62E-10	4.11E-13	3.23E-13	1.49E-07	1.59E-06
HHR55	Baseline	1.54E-12	2.83E-12	2.31E-13	n/a	3.48E-07	9.11E-09	3.22E-10	3.16E-08	2.95E-13	7.07E-11	1.11E-13	8.72E-14	4.03E-08	4.29E-07
	Application	1.57E-12	2.88E-12	2.35E-13	n/a	3.55E-07	9.29E-09	3.29E-10	3.22E-08	3.01E-13	7.21E-11	1.13E-13	8.89E-14	4.11E-08	4.38E-07
	PDC	2.29E-12	4.21E-12	3.44E-13	n/a	5.19E-07	1.36E-08	4.80E-10	4.71E-08	4.40E-13	1.05E-10	1.65E-13	1.30E-13	6.01E-08	6.40E-07
HHR56	Baseline	2.42E-12	4.45E-12	3.63E-13	n/a	5.48E-07	1.43E-08	5.08E-10	4.97E-08	4.65E-13	1.11E-10	1.75E-13	1.37E-13	6.35E-08	6.76E-07
	Application	2.44E-12	4.49E-12	3.67E-13	n/a	5.54E-07	1.45E-08	5.13E-10	5.02E-08	4.69E-13	1.12E-10	1.76E-13	1.39E-13	6.41E-08	6.83E-07
	PDC	3.58E-12	6.59E-12	5.38E-13	n/a	8.12E-07	2.12E-08	7.52E-10	7.37E-08	6.89E-13	1.65E-10	2.59E-13	2.03E-13	9.41E-08	1.00E-06
HHR57	Baseline	2.64E-12	4.86E-12	3.96E-13	n/a	5.98E-07	1.57E-08	5.54E-10	5.43E-08	5.08E-13	1.22E-10	1.91E-13	1.50E-13	6.93E-08	7.38E-07
	Application	2.67E-12	4.91E-12	4.01E-13	n/a	6.05E-07	1.58E-08	5.60E-10	5.49E-08	5.13E-13	1.23E-10	1.93E-13	1.52E-13	7.01E-08	7.46E-07
	PDC	4.16E-12	7.65E-12	6.24E-13	n/a	9.42E-07	2.47E-08	8.73E-10	8.55E-08	7.99E-13	1.91E-10	3.00E-13	2.36E-13	1.09E-07	1.16E-06
HHR58	Baseline	6.28E-13	1.16E-12	9.43E-14	n/a	1.42E-07	3.72E-09	1.32E-10	1.29E-08	1.21E-13	2.89E-11	4.54E-14	3.56E-14	1.65E-08	1.76E-07
	Application	6.79E-13	1.25E-12	1.02E-13	n/a	1.54E-07	4.03E-09	1.43E-10	1.40E-08	1.31E-13	3.13E-11	4.91E-14	3.86E-14	1.78E-08	1.90E-07
	PDC	9.80E-13	1.80E-12	1.47E-13	n/a	2.22E-07	5.81E-09	2.06E-10	2.01E-08	1.88E-13	4.51E-11	7.08E-14	5.56E-14	2.57E-08	2.74E-07
HHR59	Baseline	6.23E-13	1.15E-12	9.36E-14	n/a	1.41E-07	3.70E-09	1.31E-10	1.28E-08	1.20E-13	2.87E-11	4.50E-14	3.54E-14	1.64E-08	1.74E-07
	Application	6.74E-13	1.24E-12	1.01E-13	n/a	1.53E-07	4.00E-09	1.42E-10	1.39E-08	1.30E-13	3.10E-11	4.87E-14	3.83E-14	1.77E-08	1.89E-07
	PDC	9.71E-13	1.79E-12	1.46E-13	n/a	2.20E-07	5.76E-09	2.04E-10	2.00E-08	1.87E-13	4.47E-11	7.02E-14	5.51E-14	2.55E-08	2.72E-07
HHR60	Baseline	7.22E-13	1.33E-12	1.08E-13	n/a	1.64E-07	4.28E-09	1.52E-10	1.48E-08	1.39E-13	3.32E-11	5.21E-14	4.10E-14	1.90E-08	2.02E-07
	Application	7.88E-13	1.45E-12	1.18E-13	n/a	1.79E-07	4.67E-09	1.65E-10	1.62E-08	1.51E-13	3.63E-11	5.69E-14	4.47E-14	2.07E-08	2.20E-07
	PDC	1.14E-12	2.10E-12	1.72E-13	n/a	2.59E-07	6.78E-09	2.40E-10	2.35E-08	2.20E-13	5.26E-11	8.26E-14	6.49E-14	3.00E-08	3.20E-07
HHR61	Baseline	2.94E-12	5.41E-12	4.41E-13	n/a	6.66E-07	1.74E-08	6.17E-10	6.04E-08	5.65E-13	1.35E-10	2.12E-13	1.67E-13	7.72E-08	8.22E-07
	Application	2.97E-12	5.46E-12	4.46E-13	n/a	6.73E-07	1.76E-08	6.23E-10	6.10E-08	5.71E-13	1.37E-10	2.14E-13	1.69E-13	7.80E-08	8.30E-07
	PDC	4.68E-12	8.61E-12	7.03E-13	n/a	1.06E-06	2.78E-08	9.83E-10	9.62E-08	9.00E-13	2.15E-10	3.38E-13	2.66E-13	1.23E-07	1.31E-06
HHR62	Baseline	3.31E-12	6.09E-12	4.97E-13	n/a	7.50E-07	1.96E-08	6.95E-10	6.81E-08	6.36E-13	1.52E-10	2.39E-13	1.88E-13	8.69E-08	9.26E-07
	Application	3.35E-12	6.16E-12	5.02E-13	n/a	7.58E-07	1.98E-08	7.02E-10	6.88E-08	6.43E-13	1.54E-10	2.42E-13	1.90E-13	8.79E-08	9.36E-07
	PDC	4.91E-12	9.04E-12	7.38E-13	n/a	1.11E-06	2.91E-08	1.03E-09	1.01E-07	9.45E-13	2.26E-10	3.55E-13	2.79E-13	1.29E-07	1.37E-06
HHR63	Baseline	4.25E-12	7.83E-12	6.39E-13	n/a	9.64E-07	2.52E-08	8.93E-10	8.75E-08	8.18E-13	1.96E-10	3.07E-13	2.41E-13	1.12E-07	1.19E-06
	Application	4.29E-12	7.89E-12	6.43E-13	n/a	9.71E-07	2.54E-08	9.00E-10	8.81E-08	8.24E-13	1.97E-10	3.10E-13	2.43E-13	1.13E-07	1.20E-06
	PDC	5.58E-12	1.03E-11	8.38E-13	n/a	1.26E-06	3.31E-08	1.17E-09	1.15E-07	1.07E-12	2.57E-10	4.03E-13	3.17E-13	1.47E-07	1.56E-06

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	3.03E-12	5.57E-12	4.54E-13	n/a	6.86E-07	1.79E-08	6.35E-10	6.22E-08	5.82E-13	1.39E-10	2.19E-13	1.72E-13	7.94E-08	8.46E-07
	Application	3.05E-12	5.61E-12	4.58E-13	n/a	6.91E-07	1.81E-08	6.40E-10	6.27E-08	5.86E-13	1.40E-10	2.20E-13	1.73E-13	8.01E-08	8.53E-07
	PDC	3.77E-12	6.93E-12	5.65E-13	n/a	8.54E-07	2.23E-08	7.91E-10	7.75E-08	7.24E-13	1.73E-10	2.72E-13	2.14E-13	9.89E-08	1.05E-06
HHR65	Baseline	5.93E-12	1.09E-11	8.91E-13	n/a	1.34E-06	3.52E-08	1.25E-09	1.22E-07	1.14E-12	2.73E-10	4.29E-13	3.37E-13	1.56E-07	1.66E-06
	Application	5.96E-12	1.10E-11	8.95E-13	n/a	1.35E-06	3.54E-08	1.25E-09	1.23E-07	1.15E-12	2.74E-10	4.31E-13	3.38E-13	1.57E-07	1.67E-06
	PDC	7.14E-12	1.31E-11	1.07E-12	n/a	1.62E-06	4.24E-08	1.50E-09	1.47E-07	1.37E-12	3.29E-10	5.16E-13	4.06E-13	1.88E-07	2.00E-06
HHR66	Baseline	8.24E-13	1.52E-12	1.24E-13	n/a	1.87E-07	4.89E-09	1.73E-10	1.70E-08	1.58E-13	3.79E-11	5.95E-14	4.68E-14	2.16E-08	2.31E-07
	Application	8.94E-13	1.65E-12	1.34E-13	n/a	2.03E-07	5.30E-09	1.88E-10	1.84E-08	1.72E-13	4.12E-11	6.46E-14	5.08E-14	2.35E-08	2.50E-07
	PDC	1.29E-12	2.37E-12	1.94E-13	n/a	2.92E-07	7.65E-09	2.71E-10	2.65E-08	2.48E-13	5.94E-11	9.32E-14	7.32E-14	3.39E-08	3.61E-07
HHR67	Baseline	1.13E-12	2.08E-12	1.70E-13	n/a	2.57E-07	6.71E-09	2.38E-10	2.33E-08	2.18E-13	5.21E-11	8.18E-14	6.43E-14	2.97E-08	3.17E-07
	Application	1.22E-12	2.24E-12	1.83E-13	n/a	2.76E-07	7.21E-09	2.55E-10	2.50E-08	2.34E-13	5.60E-11	8.79E-14	6.91E-14	3.20E-08	3.40E-07
	PDC	1.72E-12	3.17E-12	2.59E-13	n/a	3.91E-07	1.02E-08	3.62E-10	3.55E-08	3.31E-13	7.94E-11	1.25E-13	9.79E-14	4.53E-08	4.82E-07
HHR68	Baseline	1.98E-12	3.64E-12	2.97E-13	n/a	4.48E-07	1.17E-08	4.15E-10	4.07E-08	3.80E-13	9.10E-11	1.43E-13	1.12E-13	5.19E-08	5.53E-07
	Application	2.04E-12	3.75E-12	3.06E-13	n/a	4.62E-07	1.21E-08	4.28E-10	4.19E-08	3.92E-13	9.39E-11	1.47E-13	1.16E-13	5.36E-08	5.70E-07
	PDC	2.59E-12	4.77E-12	3.89E-13	n/a	5.87E-07	1.54E-08	5.44E-10	5.33E-08	4.98E-13	1.19E-10	1.87E-13	1.47E-13	6.80E-08	7.25E-07
HHR69	Baseline	1.08E-12	1.99E-12	1.62E-13	n/a	2.45E-07	6.40E-09	2.27E-10	2.22E-08	2.08E-13	4.97E-11	7.80E-14	6.13E-14	2.84E-08	3.02E-07
	Application	1.10E-12	2.03E-12	1.65E-13	n/a	2.50E-07	6.53E-09	2.31E-10	2.26E-08	2.12E-13	5.07E-11	7.96E-14	6.25E-14	2.89E-08	3.08E-07
	PDC	1.61E-12	2.96E-12	2.42E-13	n/a	3.65E-07	9.54E-09	3.38E-10	3.31E-08	3.09E-13	7.40E-11	1.16E-13	9.13E-14	4.22E-08	4.50E-07
HHR70	Baseline	1.32E-12	2.43E-12	1.98E-13	n/a	2.99E-07	7.83E-09	2.77E-10	2.71E-08	2.54E-13	6.08E-11	9.54E-14	7.50E-14	3.47E-08	3.69E-07
	Application	1.34E-12	2.47E-12	2.02E-13	n/a	3.04E-07	7.96E-09	2.82E-10	2.76E-08	2.58E-13	6.18E-11	9.70E-14	7.62E-14	3.53E-08	3.76E-07
	PDC	2.04E-12	3.75E-12	3.06E-13	n/a	4.62E-07	1.21E-08	4.28E-10	4.19E-08	3.92E-13	9.38E-11	1.47E-13	1.16E-13	5.35E-08	5.70E-07
HHR71	Baseline	1.98E-11	3.64E-11	2.97E-12	n/a	4.48E-06	1.17E-07	4.15E-09	4.07E-07	3.80E-12	9.11E-10	1.43E-12	1.12E-12	5.20E-07	5.53E-06
	Application	1.98E-11	3.65E-11	2.97E-12	n/a	4.49E-06	1.17E-07	4.16E-09	4.07E-07	3.81E-12	9.12E-10	1.43E-12	1.12E-12	5.20E-07	5.54E-06
	PDC	2.11E-11	3.89E-11	3.17E-12	n/a	4.79E-06	1.25E-07	4.43E-09	4.34E-07	4.06E-12	9.72E-10	1.53E-12	1.20E-12	5.55E-07	5.91E-06
HHR72	Baseline	4.73E-13	8.71E-13	7.10E-14	n/a	1.07E-07	2.81E-09	9.93E-11	9.73E-09	9.10E-14	2.18E-11	3.42E-14	2.69E-14	1.24E-08	1.32E-07
	Application	5.09E-13	9.37E-13	7.65E-14	n/a	1.15E-07	3.02E-09	1.07E-10	1.05E-08	9.79E-14	2.34E-11	3.68E-14	2.89E-14	1.34E-08	1.42E-07
	PDC	7.45E-13	1.37E-12	1.12E-13	n/a	1.69E-07	4.42E-09	1.56E-10	1.53E-08	1.43E-13	3.43E-11	5.38E-14	4.23E-14	1.96E-08	2.08E-07
HHR73	Baseline	4.73E-12	8.71E-12	7.10E-13	n/a	1.07E-06	2.81E-08	9.93E-10	9.73E-08	9.10E-13	2.18E-10	3.42E-13	2.69E-13	1.24E-07	1.32E-06
	Application	4.78E-12	8.79E-12	7.17E-13	n/a	1.08E-06	2.83E-08	1.00E-09	9.82E-08	9.18E-13	2.20E-10	3.45E-13	2.71E-13	1.25E-07	1.34E-06
	PDC	5.61E-12	1.03E-11	8.43E-13	n/a	1.27E-06	3.33E-08	1.18E-09	1.15E-07	1.08E-12	2.58E-10	4.05E-13	3.19E-13	1.47E-07	1.57E-06
HHR74	Baseline	1.98E-11	3.64E-11	2.97E-12	n/a	4.48E-06	1.17E-07	4.15E-09	4.06E-07	3.80E-12	9.09E-10	1.43E-12	1.12E-12	5.19E-07	5.53E-06
	Application	1.98E-11	3.64E-11	2.97E-12	n/a	4.48E-06	1.17E-07	4.15E-09	4.07E-07	3.80E-12	9.10E-10	1.43E-12	1.12E-12	5.19E-07	5.53E-06
	PDC	2.09E-11	3.84E-11	3.14E-12	n/a	4.73E-06	1.24E-07	4.39E-09	4.30E-07	4.02E-12	9.61E-10	1.51E-12	1.19E-12	5.49E-07	5.84E-06
HHR75	Baseline	1.47E-11	2.70E-11	2.21E-12	n/a	3.33E-06	8.71E-08	3.08E-09	3.02E-07	2.83E-12	6.76E-10	1.06E-12	8.34E-13	3.86E-07	4.11E-06
	Application	1.47E-11	2.71E-11	2.21E-12	n/a	3.34E-06	8.73E-08	3.09E-09	3.03E-07	2.83E-12	6.78E-10	1.06E-12	8.36E-13	3.87E-07	4.12E-06
	PDC	1.59E-11	2.92E-11	2.38E-12	n/a	3.60E-06	9.41E-08	3.33E-09	3.26E-07	3.05E-12	7.31E-10	1.15E-12	9.01E-13	4.17E-07	4.44E-06
HHR76	Baseline	1.89E-11	3.47E-11	2.83E-12	n/a	4.27E-06	1.12E-07	3.96E-09	3.88E-07	3.62E-12	8.68E-10	1.36E-12	1.07E-12	4.95E-07	5.27E-06
	Application	1.89E-11	3.48E-11	2.84E-12	n/a	4.28E-06	1.12E-07	3.96E-09	3.88E-07	3.63E-12	8.69E-10	1.36E-12	1.07E-12	4.96E-07	5.28E-06
	PDC	1.97E-11	3.63E-11	2.96E-12	n/a	4.47E-06	1.17E-07	4.14E-09	4.05E-07	3.79E-12	9.07E-10	1.42E-12	1.12E-12	5.18E-07	5.51E-06
HHR77	Baseline	1.06E-11	1.94E-11	1.59E-12	n/a	2.39E-06	6.26E-08	2.22E-09	2.17E-07	2.03E-12	4.86E-10	7.63E-13	6.00E-13	2.77E-07	2.95E-06
	Application	1.06E-11	1.95E-11	1.59E-12	n/a	2.40E-06	6.28E-08	2.22E-09	2.18E-07	2.04E-12	4.88E-10	7.65E-13	6.02E-13	2.78E-07	2.96E-06
	PDC	1.13E-11	2.07E-11	1.69E-12	n/a	2.55E-06	6.68E-08	2.36E-09	2.32E-07	2.17E-12	5.18E-10	8.14E-13	6.40E-13	2.96E-07	3.15E-06
HHR78	Baseline	6.23E-12	1.15E-11	9.35E-13	n/a	1.41E-06	3.69E-08	1.31E-09	1.28E-07	1.20E-12	2.87E-10	4.50E-13	3.54E-13	1.64E-07	1.74E-06
	Application	6.26E-12	1.15E-11	9.39E-13	n/a	1.42E-06	3.71E-08	1.31E-09	1.29E-07	1.20E-12	2.88E-10	4.52E-13	3.55E-13	1.64E-07	1.75E-06
	PDC	6.94E-12	1.28E-11	1.04E-12	n/a	1.57E-06	4.12E-08	1.46E-09	1.43E-07	1.33E-12	3.20E-10	5.02E-13	3.94E-13	1.82E-07	1.94E-06
HHR79	Baseline	1.63E-11	3.00E-11	2.45E-12	n/a	3.70E-06	9.68E-08	3.43E-09	3.36E-07	3.14E-12	7.51E-10	1.18E-12	9.27E-13	4.29E-07	4.57E-06
	Application	1.64E-11	3.01E-11	2.45E-12	n/a	3.71E-06	9.69E-08	3.43E-09	3.36E-07	3.14E-12	7.52E-10	1.18E-12	9.28E-13	4.29E-07	4.57E-06
	PDC	1.72E-11	3.17E-11	2.59E-12	n/a	3.91E-06	1.02E-07	3.62E-09	3.55E-07	3.31E-12	7.94E-10	1.25E-12	9.79E-13	4.53E-07	4.82E-06

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	7.25E-12	1.33E-11	1.09E-12	n/a	1.64E-06	4.30E-08	1.52E-09	1.49E-07	1.39E-12	3.34E-10	5.24E-13	4.12E-13	1.90E-07	2.03E-06
	Application	7.27E-12	1.34E-11	1.09E-12	n/a	1.65E-06	4.31E-08	1.53E-09	1.50E-07	1.40E-12	3.35E-10	5.25E-13	4.13E-13	1.91E-07	2.03E-06
	PDC	8.10E-12	1.49E-11	1.22E-12	n/a	1.84E-06	4.80E-08	1.70E-09	1.67E-07	1.56E-12	3.73E-10	5.85E-13	4.60E-13	2.13E-07	2.26E-06
HHR81	Baseline	7.10E-12	1.31E-11	1.07E-12	n/a	1.61E-06	4.21E-08	1.49E-09	1.46E-07	1.37E-12	3.27E-10	5.13E-13	4.03E-13	1.87E-07	1.99E-06
	Application	7.13E-12	1.31E-11	1.07E-12	n/a	1.61E-06	4.22E-08	1.50E-09	1.47E-07	1.37E-12	3.28E-10	5.15E-13	4.04E-13	1.87E-07	1.99E-06
	PDC	8.01E-12	1.47E-11	1.20E-12	n/a	1.81E-06	4.75E-08	1.68E-09	1.65E-07	1.54E-12	3.68E-10	5.78E-13	4.54E-13	2.10E-07	2.24E-06
HHR82	Baseline	6.05E-12	1.11E-11	9.08E-13	n/a	1.37E-06	3.59E-08	1.27E-09	1.24E-07	1.16E-12	2.78E-10	4.37E-13	3.43E-13	1.59E-07	1.69E-06
	Application	6.07E-12	1.12E-11	9.11E-13	n/a	1.38E-06	3.60E-08	1.27E-09	1.25E-07	1.17E-12	2.79E-10	4.38E-13	3.45E-13	1.59E-07	1.70E-06
	PDC	6.82E-12	1.26E-11	1.02E-12	n/a	1.55E-06	4.05E-08	1.43E-09	1.40E-07	1.31E-12	3.14E-10	4.93E-13	3.87E-13	1.79E-07	1.91E-06
HHR83	Baseline	6.50E-12	1.20E-11	9.75E-13	n/a	1.47E-06	3.85E-08	1.36E-09	1.34E-07	1.25E-12	2.99E-10	4.69E-13	3.69E-13	1.71E-07	1.82E-06
	Application	6.52E-12	1.20E-11	9.79E-13	n/a	1.48E-06	3.87E-08	1.37E-09	1.34E-07	1.25E-12	3.00E-10	4.71E-13	3.70E-13	1.71E-07	1.82E-06
	PDC	7.35E-12	1.35E-11	1.10E-12	n/a	1.67E-06	4.36E-08	1.54E-09	1.51E-07	1.41E-12	3.38E-10	5.31E-13	4.17E-13	1.93E-07	2.06E-06
MPOI	Baseline	1.10E-10	2.03E-10	1.65E-11	n/a	2.50E-05	6.53E-07	2.31E-08	2.27E-06	2.12E-11	5.07E-09	7.96E-12	6.25E-12	2.89E-06	3.08E-05
	Application	1.10E-10	2.03E-10	1.65E-11	n/a	2.50E-05	6.53E-07	2.31E-08	2.27E-06	2.12E-11	5.07E-09	7.96E-12	6.25E-12	2.89E-06	3.08E-05
	PDC	1.12E-10	2.06E-10	1.68E-11	n/a	2.54E-05	6.64E-07	2.35E-08	2.30E-06	2.15E-11	5.16E-09	8.09E-12	6.36E-12	2.94E-06	3.13E-05

Notes:
PDC = Planned Development Case.
ADD = Average daily doses.
n/a = Not applicable.

Appendix M4.2

Average Daily Dose for
Carcinogenic Multimedia Exposure

Table M4.2-1: Carcinogenic Average Daily Dose for Arsenic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	3.56E-16	1.23E-15	2.81E-15	8.54E-11	1.60E-11	2.02E-13	2.54E-13	5.98E-13	1.56E-15	3.26E-13	6.08E-16	8.44E-17	6.20E-11	1.65E-10
HHR2	PA	3.55E-16	1.23E-15	2.80E-15	8.52E-11	1.59E-11	2.02E-13	2.53E-13	5.96E-13	1.56E-15	3.25E-13	6.06E-16	8.42E-17	6.18E-11	1.64E-10
HHR3	PA	6.91E-16	2.39E-15	5.45E-15	1.66E-10	3.10E-11	3.93E-13	4.93E-13	1.16E-12	3.03E-15	6.32E-13	1.18E-15	1.64E-16	1.20E-10	3.20E-10
HHR4	PA	3.82E-16	1.32E-15	3.01E-15	9.17E-11	1.72E-11	2.17E-13	2.73E-13	6.42E-13	1.68E-15	3.50E-13	6.53E-16	9.07E-17	6.65E-11	1.77E-10
HHR5	PA	6.32E-16	2.19E-15	4.99E-15	1.52E-10	2.84E-11	3.59E-13	4.51E-13	1.06E-12	2.77E-15	5.79E-13	1.08E-15	1.50E-16	1.10E-10	2.93E-10
HHR6	PA	1.04E-15	3.61E-15	8.23E-15	2.50E-10	4.69E-11	5.93E-13	7.45E-13	1.75E-12	4.58E-15	9.55E-13	1.78E-15	2.48E-16	1.82E-10	4.83E-10
HHR7	PA	2.03E-16	7.01E-16	1.60E-15	4.87E-11	9.11E-12	1.15E-13	1.45E-13	3.41E-13	8.90E-16	1.86E-13	3.46E-16	4.81E-17	3.53E-11	9.38E-11
HHR8	PA	2.85E-16	9.85E-16	2.25E-15	6.83E-11	1.28E-11	1.62E-13	2.03E-13	4.79E-13	1.25E-15	2.61E-13	4.87E-16	6.76E-17	4.96E-11	1.32E-10
HHR9	PA	3.22E-16	1.11E-15	2.54E-15	7.71E-11	1.44E-11	1.83E-13	2.30E-13	5.40E-13	1.41E-15	2.94E-13	5.49E-16	7.63E-17	5.60E-11	1.49E-10
HHR10	PA	4.84E-16	1.67E-15	3.82E-15	1.16E-10	2.17E-11	2.75E-13	3.46E-13	8.14E-13	2.12E-15	4.43E-13	8.27E-16	1.15E-16	8.43E-11	2.24E-10
HHR11	PA	3.84E-16	1.33E-15	3.02E-15	9.20E-11	1.72E-11	2.18E-13	2.74E-13	6.44E-13	1.68E-15	3.51E-13	6.55E-16	9.09E-17	6.67E-11	1.77E-10
HHR12	PA	3.83E-16	1.33E-15	3.02E-15	9.20E-11	1.72E-11	2.18E-13	2.74E-13	6.44E-13	1.68E-15	3.51E-13	6.55E-16	9.09E-17	6.67E-11	1.77E-10
HHR13	PA	3.98E-16	1.38E-15	3.14E-15	9.54E-11	1.79E-11	2.26E-13	2.84E-13	6.68E-13	1.75E-15	3.64E-13	6.79E-16	9.43E-17	6.92E-11	1.84E-10
HHR14	PA	3.45E-16	1.19E-15	2.72E-15	8.27E-11	1.55E-11	1.96E-13	2.46E-13	5.79E-13	1.51E-15	3.16E-13	5.89E-16	8.18E-17	6.00E-11	1.60E-10
HHR15	PA	5.54E-16	1.92E-15	4.37E-15	1.33E-10	2.49E-11	3.15E-13	3.95E-13	9.30E-13	2.43E-15	5.07E-13	9.46E-16	1.31E-16	9.64E-11	2.56E-10
HHR16	PA	3.28E-16	1.13E-15	2.59E-15	7.87E-11	1.47E-11	1.86E-13	2.34E-13	5.51E-13	1.44E-15	3.00E-13	5.60E-16	7.78E-17	5.71E-11	1.52E-10
HHR17	PA	2.46E-16	8.52E-16	1.94E-15	5.91E-11	1.11E-11	1.40E-13	1.76E-13	4.14E-13	1.08E-15	2.25E-13	4.21E-16	5.84E-17	4.29E-11	1.14E-10
HHR18	PA	3.36E-16	1.16E-15	2.65E-15	8.05E-11	1.51E-11	1.91E-13	2.39E-13	5.64E-13	1.47E-15	3.07E-13	5.73E-16	7.96E-17	5.84E-11	1.55E-10
HHR19	PA	4.11E-16	1.42E-15	3.24E-15	9.86E-11	1.85E-11	2.34E-13	2.93E-13	6.91E-13	1.80E-15	3.76E-13	7.02E-16	9.75E-17	7.15E-11	1.90E-10
HHR20	PA	3.76E-16	1.30E-15	2.97E-15	9.03E-11	1.69E-11	2.14E-13	2.69E-13	6.32E-13	1.65E-15	3.44E-13	6.43E-16	8.92E-17	6.55E-11	1.74E-10
HHR21	PA	3.92E-16	1.36E-15	3.09E-15	9.42E-11	1.76E-11	2.23E-13	2.80E-13	6.59E-13	1.72E-15	3.59E-13	6.70E-16	9.31E-17	6.83E-11	1.82E-10
HHR22	PA	4.66E-16	1.61E-15	3.67E-15	1.12E-10	2.09E-11	2.65E-13	3.32E-13	7.82E-13	2.04E-15	4.26E-13	7.95E-16	1.10E-16	8.10E-11	2.15E-10
HHR23	PA	3.90E-16	1.35E-15	3.07E-15	9.35E-11	1.75E-11	2.22E-13	2.78E-13	6.55E-13	1.71E-15	3.57E-13	6.66E-16	9.24E-17	6.78E-11	1.80E-10
HHR24	PA	3.85E-16	1.33E-15	3.03E-15	9.23E-11	1.73E-11	2.19E-13	2.75E-13	6.46E-13	1.69E-15	3.52E-13	6.57E-16	9.13E-17	6.70E-11	1.78E-10
HHR25	PA	6.53E-16	2.26E-15	5.15E-15	1.57E-10	2.93E-11	3.71E-13	4.66E-13	1.10E-12	2.87E-15	5.98E-13	1.12E-15	1.55E-16	1.14E-10	3.02E-10
HHR26	PA	6.70E-16	2.32E-15	5.28E-15	1.61E-10	3.01E-11	3.81E-13	4.78E-13	1.13E-12	2.94E-15	6.13E-13	1.14E-15	1.59E-16	1.17E-10	3.10E-10
HHR27	PA	5.45E-16	1.88E-15	4.29E-15	1.31E-10	2.45E-11	3.10E-13	3.89E-13	9.15E-13	2.39E-15	4.98E-13	9.30E-16	1.29E-16	9.48E-11	2.52E-10
HHR28	PA	3.47E-16	1.20E-15	2.74E-15	8.33E-11	1.56E-11	1.97E-13	2.48E-13	5.83E-13	1.52E-15	3.18E-13	5.93E-16	8.23E-17	6.04E-11	1.61E-10
HHR29	PA	1.15E-16	3.96E-16	9.04E-16	2.75E-11	5.15E-12	6.52E-14	8.18E-14	1.93E-13	5.03E-16	1.05E-13	1.96E-16	2.72E-17	2.00E-11	5.31E-11
HHR30	PA	4.01E-16	1.39E-15	3.16E-15	9.62E-11	1.80E-11	2.28E-13	2.86E-13	6.74E-13	1.76E-15	3.67E-13	6.85E-16	9.51E-17	6.98E-11	1.86E-10
HHR31	PA	8.72E-17	3.02E-16	6.88E-16	2.09E-11	3.92E-12	4.96E-14	6.22E-14	1.46E-13	3.82E-16	7.98E-14	1.49E-16	2.07E-17	1.52E-11	4.03E-11
HHR32	PA	1.71E-16	5.90E-16	1.35E-15	4.09E-11	7.66E-12	9.70E-14	1.22E-13	2.87E-13	7.49E-16	1.56E-13	2.91E-16	4.05E-17	2.97E-11	7.90E-11
HHR33	PA	2.53E-16	8.76E-16	2.00E-15	6.08E-11	1.14E-11	1.44E-13	1.81E-13	4.25E-13	1.11E-15	2.32E-13	4.33E-16	6.01E-17	4.41E-11	1.17E-10
HHR34	PA	3.19E-16	1.10E-15	2.52E-15	7.66E-11	1.43E-11	1.82E-13	2.28E-13	5.37E-13	1.40E-15	2.92E-13	5.46E-16	7.58E-17	5.56E-11	1.48E-10
HHR35	PA	2.31E-16	8.00E-16	1.82E-15	5.55E-11	1.04E-11	1.31E-13	1.65E-13	3.89E-13	1.01E-15	2.12E-13	3.95E-16	5.48E-17	4.03E-11	1.07E-10
HHR36	PA	3.56E-16	1.23E-15	2.80E-15	8.53E-11	1.60E-11	2.02E-13	2.54E-13	5.97E-13	1.56E-15	3.25E-13	6.07E-16	8.43E-17	6.19E-11	1.65E-10
HHR37	PA	4.61E-16	1.60E-15	3.64E-15	1.11E-10	2.07E-11	2.62E-13	3.29E-13	7.75E-13	2.02E-15	4.22E-13	7.88E-16	1.09E-16	8.03E-11	2.13E-10
HHR38	PA	2.33E-16	8.05E-16	1.84E-15	5.58E-11	1.05E-11	1.32E-13	1.66E-13	3.91E-13	1.02E-15	2.13E-13	3.98E-16	5.52E-17	4.05E-11	1.08E-10
HHR39	PA	2.71E-16	9.39E-16	2.14E-15	6.51E-11	1.22E-11	1.54E-13	1.94E-13	4.56E-13	1.19E-15	2.48E-13	4.64E-16	6.44E-17	4.72E-11	1.26E-10
HHR40	PA	2.59E-16	8.95E-16	2.04E-15	6.21E-11	1.16E-11	1.47E-13	1.85E-13	4.35E-13	1.14E-15	2.37E-13	4.42E-16	6.14E-17	4.51E-11	1.20E-10
HHR41	PA	2.52E-16	8.72E-16	1.99E-15	6.05E-11	1.13E-11	1.43E-13	1.80E-13	4.23E-13	1.11E-15	2.31E-13	4.31E-16	5.98E-17	4.39E-11	1.17E-10
HHR42	PA	3.28E-16	1.14E-15	2.59E-15	7.88E-11	1.47E-11	1.87E-13	2.34E-13	5.52E-13	1.44E-15	3.01E-13	5.61E-16	7.79E-17	5.72E-11	1.52E-10

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR43	PA	3.85E-16	1.33E-15	3.04E-15	9.24E-11	1.73E-11	2.19E-13	2.75E-13	6.47E-13	1.69E-15	3.52E-13	6.58E-16	9.13E-17	6.70E-11	1.78E-10
HHR44	PA	3.93E-16	1.36E-15	3.10E-15	9.42E-11	1.76E-11	2.23E-13	2.80E-13	6.60E-13	1.72E-15	3.59E-13	6.71E-16	9.31E-17	6.83E-11	1.82E-10
HHR45	PA	3.96E-16	1.37E-15	3.12E-15	9.50E-11	1.78E-11	2.25E-13	2.83E-13	6.65E-13	1.74E-15	3.62E-13	6.76E-16	9.39E-17	6.89E-11	1.83E-10
HHR46	PA	8.59E-16	2.97E-15	6.78E-15	2.06E-10	3.86E-11	4.89E-13	6.13E-13	1.44E-12	3.77E-15	7.87E-13	1.47E-15	2.04E-16	1.50E-10	3.98E-10
HHR47	PA	8.51E-16	2.94E-15	6.71E-15	2.04E-10	3.82E-11	4.84E-13	6.07E-13	1.43E-12	3.73E-15	7.79E-13	1.45E-15	2.02E-16	1.48E-10	3.94E-10
HHR48	PA	2.64E-16	9.13E-16	2.08E-15	6.34E-11	1.19E-11	1.50E-13	1.88E-13	4.44E-13	1.16E-15	2.42E-13	4.51E-16	6.26E-17	4.60E-11	1.22E-10
HHR49	PA	1.11E-15	3.85E-15	8.78E-15	2.67E-10	5.00E-11	6.33E-13	7.95E-13	1.87E-12	4.89E-15	1.02E-12	1.90E-15	2.64E-16	1.94E-10	5.15E-10
HHR50	PA	1.34E-15	4.64E-15	1.06E-14	3.22E-10	6.03E-11	7.63E-13	9.59E-13	2.26E-12	5.89E-15	1.23E-12	2.29E-15	3.18E-16	2.34E-10	6.21E-10
HHR51	PA	2.31E-15	7.99E-15	1.82E-14	5.54E-10	1.04E-10	1.31E-12	1.65E-12	3.88E-12	1.01E-14	2.11E-12	3.95E-15	5.48E-16	4.02E-10	1.07E-09
HHR52	PA	4.42E-16	1.53E-15	3.49E-15	1.06E-10	1.99E-11	2.51E-13	3.16E-13	7.43E-13	1.94E-15	4.05E-13	7.55E-16	1.05E-16	7.70E-11	2.05E-10
HHR53	PA	8.75E-16	3.03E-15	6.90E-15	2.10E-10	3.93E-11	4.97E-13	6.25E-13	1.47E-12	3.84E-15	8.01E-13	1.49E-15	2.08E-16	1.52E-10	4.05E-10
HHR54	PA	4.99E-16	1.72E-15	3.93E-15	1.20E-10	2.24E-11	2.83E-13	3.56E-13	8.37E-13	2.19E-15	4.56E-13	8.51E-16	1.18E-16	8.68E-11	2.31E-10
HHR55	PA	1.69E-15	5.85E-15	1.33E-14	4.06E-10	7.60E-11	9.62E-13	1.21E-12	2.84E-12	7.42E-15	1.55E-12	2.89E-15	4.01E-16	2.94E-10	7.83E-10
HHR56	PA	7.52E-16	2.60E-15	5.93E-15	1.81E-10	3.38E-11	4.28E-13	5.37E-13	1.26E-12	3.30E-15	6.89E-13	1.29E-15	1.78E-16	1.31E-10	3.48E-10
HHR57	PA	7.94E-16	2.75E-15	6.26E-15	1.90E-10	3.56E-11	4.51E-13	5.67E-13	1.33E-12	3.48E-15	7.27E-13	1.36E-15	1.88E-16	1.38E-10	3.67E-10
HHR58	PA	1.44E-15	4.97E-15	1.13E-14	3.45E-10	6.46E-11	8.17E-13	1.03E-12	2.42E-12	6.31E-15	1.32E-12	2.46E-15	3.41E-16	2.50E-10	6.65E-10
HHR59	PA	1.34E-15	4.64E-15	1.06E-14	3.22E-10	6.03E-11	7.64E-13	9.59E-13	2.26E-12	5.89E-15	1.23E-12	2.29E-15	3.19E-16	2.34E-10	6.22E-10
HHR60	PA	1.21E-15	4.20E-15	9.57E-15	2.91E-10	5.45E-11	6.90E-13	8.66E-13	2.04E-12	5.32E-15	1.11E-12	2.07E-15	2.88E-16	2.11E-10	5.62E-10
HHR61	PA	7.58E-16	2.62E-15	5.98E-15	1.82E-10	3.40E-11	4.31E-13	5.41E-13	1.27E-12	3.33E-15	6.94E-13	1.29E-15	1.80E-16	1.32E-10	3.51E-10
HHR62	PA	6.91E-16	2.39E-15	5.45E-15	1.66E-10	3.10E-11	3.93E-13	4.93E-13	1.16E-12	3.03E-15	6.33E-13	1.18E-15	1.64E-16	1.20E-10	3.20E-10
HHR63	PA	3.50E-16	1.21E-15	2.76E-15	8.41E-11	1.57E-11	1.99E-13	2.50E-13	5.89E-13	1.54E-15	3.21E-13	5.98E-16	8.31E-17	6.10E-11	1.62E-10
HHR64	PA	4.02E-16	1.39E-15	3.17E-15	9.64E-11	1.80E-11	2.28E-13	2.87E-13	6.75E-13	1.76E-15	3.68E-13	6.86E-16	9.53E-17	6.99E-11	1.86E-10
HHR65	PA	3.56E-16	1.23E-15	2.81E-15	8.54E-11	1.60E-11	2.02E-13	2.54E-13	5.98E-13	1.56E-15	3.26E-13	6.08E-16	8.44E-17	6.20E-11	1.65E-10
HHR66	PA	3.55E-16	1.23E-15	2.80E-15	8.52E-11	1.59E-11	2.02E-13	2.53E-13	5.96E-13	1.56E-15	3.25E-13	6.06E-16	8.42E-17	6.18E-11	1.64E-10
HHR67	PA	6.91E-16	2.39E-15	5.45E-15	1.66E-10	3.10E-11	3.93E-13	4.93E-13	1.16E-12	3.03E-15	6.32E-13	1.18E-15	1.64E-16	1.20E-10	3.20E-10
HHR68	PA	3.82E-16	1.32E-15	3.01E-15	9.17E-11	1.72E-11	2.17E-13	2.73E-13	6.42E-13	1.68E-15	3.50E-13	6.53E-16	9.07E-17	6.65E-11	1.77E-10
HHR69	PA	6.32E-16	2.19E-15	4.99E-15	1.52E-10	2.84E-11	3.59E-13	4.51E-13	1.06E-12	2.77E-15	5.79E-13	1.08E-15	1.50E-16	1.10E-10	2.93E-10
HHR70	PA	1.04E-15	3.61E-15	8.23E-15	2.50E-10	4.69E-11	5.93E-13	7.45E-13	1.75E-12	4.58E-15	9.55E-13	1.78E-15	2.48E-16	1.82E-10	4.83E-10
HHR71	PA	2.03E-16	7.01E-16	1.60E-15	4.87E-11	9.11E-12	1.15E-13	1.45E-13	3.41E-13	8.90E-16	1.86E-13	3.46E-16	4.81E-17	3.53E-11	9.38E-11
HHR72	PA	2.85E-16	9.85E-16	2.25E-15	6.83E-11	1.28E-11	1.62E-13	2.03E-13	4.79E-13	1.25E-15	2.61E-13	4.87E-16	6.76E-17	4.96E-11	1.32E-10
HHR73	PA	3.22E-16	1.11E-15	2.54E-15	7.71E-11	1.44E-11	1.83E-13	2.30E-13	5.40E-13	1.41E-15	2.94E-13	5.49E-16	7.63E-17	5.60E-11	1.49E-10
HHR74	PA	4.84E-16	1.67E-15	3.82E-15	1.16E-10	2.17E-11	2.75E-13	3.46E-13	8.14E-13	2.12E-15	4.43E-13	8.27E-16	1.15E-16	8.43E-11	2.24E-10
HHR75	PA	3.84E-16	1.33E-15	3.02E-15	9.20E-11	1.72E-11	2.18E-13	2.74E-13	6.44E-13	1.68E-15	3.51E-13	6.55E-16	9.09E-17	6.67E-11	1.77E-10
HHR76	PA	3.83E-16	1.33E-15	3.02E-15	9.20E-11	1.72E-11	2.18E-13	2.74E-13	6.44E-13	1.68E-15	3.51E-13	6.55E-16	9.09E-17	6.67E-11	1.77E-10
HHR77	PA	3.98E-16	1.38E-15	3.14E-15	9.54E-11	1.79E-11	2.26E-13	2.84E-13	6.68E-13	1.75E-15	3.64E-13	6.79E-16	9.43E-17	6.92E-11	1.84E-10
HHR78	PA	3.45E-16	1.19E-15	2.72E-15	8.27E-11	1.55E-11	1.96E-13	2.46E-13	5.79E-13	1.51E-15	3.16E-13	5.89E-16	8.18E-17	6.00E-11	1.60E-10
HHR79	PA	5.54E-16	1.92E-15	4.37E-15	1.33E-10	2.49E-11	3.15E-13	3.95E-13	9.30E-13	2.43E-15	5.07E-13	9.46E-16	1.31E-16	9.64E-11	2.56E-10
HHR80	PA	3.28E-16	1.13E-15	2.59E-15	7.87E-11	1.47E-11	1.86E-13	2.34E-13	5.51E-13	1.44E-15	3.00E-13	5.60E-16	7.78E-17	5.71E-11	1.52E-10
HHR81	PA	2.46E-16	8.52E-16	1.94E-15	5.91E-11	1.11E-11	1.40E-13	1.76E-13	4.14E-13	1.08E-15	2.25E-13	4.21E-16	5.84E-17	4.29E-11	1.14E-10
HHR82	PA	3.36E-16	1.16E-15	2.65E-15	8.05E-11	1.51E-11	1.91E-13	2.39E-13	5.64E-13	1.47E-15	3.07E-13	5.73E-16	7.96E-17	5.84E-11	1.55E-10
HHR83	PA	4.11E-16	1.42E-15	3.24E-15	9.86E-11	1.85E-11	2.34E-13	2.93E-13	6.91E-13	1.80E-15	3.76E-13	7.02E-16	9.75E-17	7.15E-11	1.90E-10
MPOI	PA	3.76E-16	1.30E-15	2.97E-15	9.03E-11	1.69E-11	2.14E-13	2.69E-13	6.32E-13	1.65E-15	3.44E-13	6.43E-16	8.92E-17	6.55E-11	1.74E-10

Notes:
PA = Project Alone; ADD = Average daily doses; n/a = Not applicable.

Table M4.2-2: Carcinogenic Average Daily Dose Amortized over a Lifetime for Arsenic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	4.67E-15	1.83E-15	4.35E-15	1.32E-10	2.24E-11	2.94E-13	3.44E-13	8.03E-13	2.14E-15	4.33E-13	8.08E-16	1.12E-16	9.21E-11	2.49E-10
HHR2	PA	4.66E-15	1.83E-15	4.33E-15	1.32E-10	2.24E-11	2.93E-13	3.43E-13	8.01E-13	2.13E-15	4.32E-13	8.05E-16	1.12E-16	9.18E-11	2.48E-10
HHR3	PA	9.07E-15	3.55E-15	8.43E-15	2.57E-10	4.36E-11	5.71E-13	6.67E-13	1.56E-12	4.15E-15	8.40E-13	1.57E-15	2.18E-16	1.79E-10	4.83E-10
HHR4	PA	5.02E-15	1.97E-15	4.67E-15	1.42E-10	2.41E-11	3.16E-13	3.69E-13	8.63E-13	2.29E-15	4.65E-13	8.68E-16	1.20E-16	9.89E-11	2.67E-10
HHR5	PA	8.30E-15	3.25E-15	7.72E-15	2.35E-10	3.99E-11	5.23E-13	6.10E-13	1.43E-12	3.79E-15	7.69E-13	1.44E-15	1.99E-16	1.64E-10	4.42E-10
HHR6	PA	1.37E-14	5.37E-15	1.27E-14	3.88E-10	6.58E-11	8.63E-13	1.01E-12	2.36E-12	6.26E-15	1.27E-12	2.37E-15	3.29E-16	2.70E-10	7.29E-10
HHR7	PA	2.66E-15	1.04E-15	2.48E-15	7.53E-11	1.28E-11	1.68E-13	1.96E-13	4.58E-13	1.22E-15	2.47E-13	4.60E-16	6.39E-17	5.25E-11	1.42E-10
HHR8	PA	3.74E-15	1.47E-15	3.48E-15	1.06E-10	1.80E-11	2.35E-13	2.75E-13	6.43E-13	1.71E-15	3.46E-13	6.46E-16	8.98E-17	7.37E-11	1.99E-10
HHR9	PA	4.22E-15	1.65E-15	3.93E-15	1.19E-10	2.03E-11	2.66E-13	3.10E-13	7.26E-13	1.93E-15	3.91E-13	7.30E-16	1.01E-16	8.32E-11	2.25E-10
HHR10	PA	6.36E-15	2.49E-15	5.91E-15	1.80E-10	3.05E-11	4.00E-13	4.67E-13	1.09E-12	2.91E-15	5.89E-13	1.10E-15	1.53E-16	1.25E-10	3.38E-10
HHR11	PA	5.03E-15	1.97E-15	4.68E-15	1.42E-10	2.42E-11	3.17E-13	3.70E-13	8.66E-13	2.30E-15	4.66E-13	8.70E-16	1.21E-16	9.92E-11	2.68E-10
HHR12	PA	5.03E-15	1.97E-15	4.68E-15	1.42E-10	2.42E-11	3.17E-13	3.70E-13	8.65E-13	2.30E-15	4.66E-13	8.70E-16	1.21E-16	9.92E-11	2.68E-10
HHR13	PA	5.22E-15	2.05E-15	4.86E-15	1.48E-10	2.51E-11	3.29E-13	3.84E-13	8.98E-13	2.39E-15	4.84E-13	9.03E-16	1.25E-16	1.03E-10	2.78E-10
HHR14	PA	4.53E-15	1.77E-15	4.21E-15	1.28E-10	2.17E-11	2.85E-13	3.33E-13	7.78E-13	2.07E-15	4.19E-13	7.82E-16	1.09E-16	8.92E-11	2.41E-10
HHR15	PA	7.27E-15	2.85E-15	6.76E-15	2.06E-10	3.49E-11	4.58E-13	5.35E-13	1.25E-12	3.32E-15	6.73E-13	1.26E-15	1.74E-16	1.43E-10	3.87E-10
HHR16	PA	4.30E-15	1.69E-15	4.00E-15	1.22E-10	2.07E-11	2.71E-13	3.16E-13	7.40E-13	1.97E-15	3.99E-13	7.44E-16	1.03E-16	8.49E-11	2.29E-10
HHR17	PA	3.23E-15	1.27E-15	3.01E-15	9.15E-11	1.55E-11	2.04E-13	2.38E-13	5.56E-13	1.48E-15	2.99E-13	5.59E-16	7.76E-17	6.37E-11	1.72E-10
HHR18	PA	4.40E-15	1.73E-15	4.10E-15	1.25E-10	2.12E-11	2.77E-13	3.24E-13	7.57E-13	2.01E-15	4.08E-13	7.61E-16	1.06E-16	8.68E-11	2.34E-10
HHR19	PA	5.40E-15	2.12E-15	5.02E-15	1.53E-10	2.59E-11	3.40E-13	3.97E-13	9.28E-13	2.47E-15	5.00E-13	9.33E-16	1.30E-16	1.06E-10	2.87E-10
HHR20	PA	4.94E-15	1.94E-15	4.59E-15	1.40E-10	2.37E-11	3.11E-13	3.63E-13	8.49E-13	2.26E-15	4.58E-13	8.54E-16	1.19E-16	9.74E-11	2.63E-10
HHR21	PA	5.15E-15	2.02E-15	4.79E-15	1.46E-10	2.47E-11	3.24E-13	3.79E-13	8.86E-13	2.35E-15	4.77E-13	8.91E-16	1.24E-16	1.02E-10	2.74E-10
HHR22	PA	6.11E-15	2.39E-15	5.68E-15	1.73E-10	2.94E-11	3.85E-13	4.49E-13	1.05E-12	2.79E-15	5.66E-13	1.06E-15	1.47E-16	1.20E-10	3.25E-10
HHR23	PA	5.12E-15	2.01E-15	4.76E-15	1.45E-10	2.46E-11	3.22E-13	3.76E-13	8.79E-13	2.34E-15	4.74E-13	8.84E-16	1.23E-16	1.01E-10	2.72E-10
HHR24	PA	5.05E-15	1.98E-15	4.70E-15	1.43E-10	2.43E-11	3.18E-13	3.71E-13	8.69E-13	2.31E-15	4.68E-13	8.73E-16	1.21E-16	9.96E-11	2.69E-10
HHR25	PA	8.57E-15	3.36E-15	7.97E-15	2.43E-10	4.12E-11	5.40E-13	6.30E-13	1.47E-12	3.92E-15	7.94E-13	1.48E-15	2.06E-16	1.69E-10	4.56E-10
HHR26	PA	8.80E-15	3.45E-15	8.18E-15	2.49E-10	4.23E-11	5.54E-13	6.47E-13	1.51E-12	4.02E-15	8.15E-13	1.52E-15	2.11E-16	1.73E-10	4.68E-10
HHR27	PA	7.15E-15	2.80E-15	6.65E-15	2.02E-10	3.43E-11	4.50E-13	5.26E-13	1.23E-12	3.27E-15	6.62E-13	1.24E-15	1.72E-16	1.41E-10	3.80E-10
HHR28	PA	4.56E-15	1.79E-15	4.24E-15	1.29E-10	2.19E-11	2.87E-13	3.35E-13	7.84E-13	2.08E-15	4.22E-13	7.88E-16	1.09E-16	8.99E-11	2.43E-10
HHR29	PA	1.50E-15	5.90E-16	1.40E-15	4.26E-11	7.23E-12	9.47E-14	1.11E-13	2.59E-13	6.88E-16	1.39E-13	2.60E-16	3.61E-17	2.97E-11	8.01E-11
HHR30	PA	5.26E-15	2.06E-15	4.90E-15	1.49E-10	2.53E-11	3.31E-13	3.87E-13	9.05E-13	2.41E-15	4.88E-13	9.10E-16	1.26E-16	1.04E-10	2.80E-10
HHR31	PA	1.14E-15	4.49E-16	1.06E-15	3.24E-11	5.50E-12	7.21E-14	8.42E-14	1.97E-13	5.23E-16	1.06E-13	1.98E-16	2.75E-17	2.26E-11	6.09E-11
HHR32	PA	2.24E-15	8.78E-16	2.08E-15	6.34E-11	1.08E-11	1.41E-13	1.65E-13	3.85E-13	1.02E-15	2.08E-13	3.87E-16	5.38E-17	4.42E-11	1.19E-10
HHR33	PA	3.32E-15	1.30E-15	3.09E-15	9.41E-11	1.60E-11	2.09E-13	2.44E-13	5.72E-13	1.52E-15	3.08E-13	5.75E-16	7.98E-17	6.55E-11	1.77E-10
HHR34	PA	4.19E-15	1.64E-15	3.90E-15	1.19E-10	2.01E-11	2.64E-13	3.08E-13	7.21E-13	1.92E-15	3.88E-13	7.25E-16	1.01E-16	8.27E-11	2.23E-10
HHR35	PA	3.04E-15	1.19E-15	2.82E-15	8.59E-11	1.46E-11	1.91E-13	2.23E-13	5.22E-13	1.39E-15	2.81E-13	5.25E-16	7.29E-17	5.98E-11	1.62E-10
HHR36	PA	4.67E-15	1.83E-15	4.34E-15	1.32E-10	2.24E-11	2.94E-13	3.43E-13	8.03E-13	2.13E-15	4.32E-13	8.07E-16	1.12E-16	9.20E-11	2.48E-10
HHR37	PA	6.06E-15	2.37E-15	5.63E-15	1.71E-10	2.91E-11	3.81E-13	4.45E-13	1.04E-12	2.77E-15	5.61E-13	1.05E-15	1.45E-16	1.19E-10	3.22E-10
HHR38	PA	3.06E-15	1.20E-15	2.84E-15	8.65E-11	1.47E-11	1.92E-13	2.25E-13	5.25E-13	1.40E-15	2.83E-13	5.28E-16	7.33E-17	6.02E-11	1.63E-10
HHR39	PA	3.56E-15	1.40E-15	3.31E-15	1.01E-10	1.71E-11	2.24E-13	2.62E-13	6.13E-13	1.63E-15	3.30E-13	6.16E-16	8.55E-17	7.02E-11	1.90E-10
HHR40	PA	3.40E-15	1.33E-15	3.16E-15	9.62E-11	1.63E-11	2.14E-13	2.50E-13	5.84E-13	1.55E-15	3.15E-13	5.88E-16	8.16E-17	6.70E-11	1.81E-10
HHR41	PA	3.31E-15	1.30E-15	3.08E-15	9.36E-11	1.59E-11	2.08E-13	2.43E-13	5.69E-13	1.51E-15	3.07E-13	5.72E-16	7.94E-17	6.52E-11	1.76E-10
HHR42	PA	4.31E-15	1.69E-15	4.01E-15	1.22E-10	2.07E-11	2.71E-13	3.17E-13	7.41E-13	1.97E-15	3.99E-13	7.45E-16	1.03E-16	8.50E-11	2.29E-10

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR43	PA	5.05E-15	1.98E-15	4.70E-15	1.43E-10	2.43E-11	3.18E-13	3.72E-13	8.69E-13	2.31E-15	4.68E-13	8.74E-16	1.21E-16	9.96E-11	2.69E-10
HHR44	PA	5.15E-15	2.02E-15	4.79E-15	1.46E-10	2.48E-11	3.24E-13	3.79E-13	8.86E-13	2.36E-15	4.77E-13	8.91E-16	1.24E-16	1.02E-10	2.74E-10
HHR45	PA	5.20E-15	2.04E-15	4.83E-15	1.47E-10	2.50E-11	3.27E-13	3.82E-13	8.93E-13	2.38E-15	4.81E-13	8.98E-16	1.25E-16	1.02E-10	2.77E-10
HHR46	PA	1.13E-14	4.42E-15	1.05E-14	3.19E-10	5.42E-11	7.10E-13	8.29E-13	1.94E-12	5.16E-15	1.05E-12	1.95E-15	2.71E-16	2.22E-10	6.00E-10
HHR47	PA	1.12E-14	4.38E-15	1.04E-14	3.16E-10	5.37E-11	7.03E-13	8.21E-13	1.92E-12	5.11E-15	1.03E-12	1.93E-15	2.68E-16	2.20E-10	5.94E-10
HHR48	PA	3.47E-15	1.36E-15	3.22E-15	9.81E-11	1.67E-11	2.18E-13	2.55E-13	5.96E-13	1.58E-15	3.21E-13	5.99E-16	8.32E-17	6.83E-11	1.84E-10
HHR49	PA	1.46E-14	5.73E-15	1.36E-14	4.14E-10	7.02E-11	9.20E-13	1.07E-12	2.51E-12	6.68E-15	1.35E-12	2.53E-15	3.51E-16	2.88E-10	7.78E-10
HHR50	PA	1.76E-14	6.91E-15	1.64E-14	4.99E-10	8.47E-11	1.11E-12	1.30E-12	3.03E-12	8.06E-15	1.63E-12	3.05E-15	4.23E-16	3.48E-10	9.38E-10
HHR51	PA	3.03E-14	1.19E-14	2.82E-14	8.58E-10	1.46E-10	1.91E-12	2.23E-12	5.21E-12	1.39E-14	2.81E-12	5.24E-15	7.28E-16	5.98E-10	1.61E-09
HHR52	PA	5.80E-15	2.27E-15	5.40E-15	1.64E-10	2.79E-11	3.65E-13	4.27E-13	9.98E-13	2.65E-15	5.38E-13	1.00E-15	1.39E-16	1.14E-10	3.09E-10
HHR53	PA	1.15E-14	4.50E-15	1.07E-14	3.25E-10	5.52E-11	7.23E-13	8.45E-13	1.97E-12	5.25E-15	1.06E-12	1.99E-15	2.76E-16	2.26E-10	6.11E-10
HHR54	PA	6.54E-15	2.56E-15	6.09E-15	1.85E-10	3.14E-11	4.12E-13	4.81E-13	1.13E-12	2.99E-15	6.06E-13	1.13E-15	1.57E-16	1.29E-10	3.48E-10
HHR55	PA	2.22E-14	8.71E-15	2.07E-14	6.28E-10	1.07E-10	1.40E-12	1.63E-12	3.82E-12	1.02E-14	2.06E-12	3.84E-15	5.33E-16	4.38E-10	1.18E-09
HHR56	PA	9.88E-15	3.87E-15	9.19E-15	2.79E-10	4.74E-11	6.22E-13	7.26E-13	1.70E-12	4.51E-15	9.15E-13	1.71E-15	2.37E-16	1.95E-10	5.26E-10
HHR57	PA	1.04E-14	4.08E-15	9.69E-15	2.95E-10	5.01E-11	6.56E-13	7.66E-13	1.79E-12	4.76E-15	9.65E-13	1.80E-15	2.50E-16	2.05E-10	5.55E-10
HHR58	PA	1.89E-14	7.40E-15	1.76E-14	5.34E-10	9.07E-11	1.19E-12	1.39E-12	3.24E-12	8.63E-15	1.75E-12	3.26E-15	4.53E-16	3.72E-10	1.00E-09
HHR59	PA	1.76E-14	6.91E-15	1.64E-14	4.99E-10	8.47E-11	1.11E-12	1.30E-12	3.03E-12	8.06E-15	1.63E-12	3.05E-15	4.23E-16	3.48E-10	9.38E-10
HHR60	PA	1.59E-14	6.24E-15	1.48E-14	4.51E-10	7.65E-11	1.00E-12	1.17E-12	2.74E-12	7.28E-15	1.48E-12	2.75E-15	3.82E-16	3.14E-10	8.48E-10
HHR61	PA	9.95E-15	3.90E-15	9.25E-15	2.82E-10	4.78E-11	6.26E-13	7.32E-13	1.71E-12	4.55E-15	9.22E-13	1.72E-15	2.39E-16	1.96E-10	5.30E-10
HHR62	PA	9.07E-15	3.56E-15	8.44E-15	2.57E-10	4.36E-11	5.71E-13	6.67E-13	1.56E-12	4.15E-15	8.41E-13	1.57E-15	2.18E-16	1.79E-10	4.83E-10
HHR63	PA	4.60E-15	1.80E-15	4.28E-15	1.30E-10	2.21E-11	2.90E-13	3.38E-13	7.91E-13	2.10E-15	4.26E-13	7.95E-16	1.10E-16	9.07E-11	2.45E-10
HHR64	PA	5.27E-15	2.07E-15	4.91E-15	1.49E-10	2.53E-11	3.32E-13	3.88E-13	9.07E-13	2.41E-15	4.89E-13	9.12E-16	1.27E-16	1.04E-10	2.81E-10
HHR65	PA	4.67E-15	1.83E-15	4.35E-15	1.32E-10	2.24E-11	2.94E-13	3.44E-13	8.03E-13	2.14E-15	4.33E-13	8.08E-16	1.12E-16	9.21E-11	2.49E-10
HHR66	PA	4.66E-15	1.83E-15	4.33E-15	1.32E-10	2.24E-11	2.93E-13	3.43E-13	8.01E-13	2.13E-15	4.32E-13	8.05E-16	1.12E-16	9.18E-11	2.48E-10
HHR67	PA	9.07E-15	3.55E-15	8.43E-15	2.57E-10	4.36E-11	5.71E-13	6.67E-13	1.56E-12	4.15E-15	8.40E-13	1.57E-15	2.18E-16	1.79E-10	4.83E-10
HHR68	PA	5.02E-15	1.97E-15	4.67E-15	1.42E-10	2.41E-11	3.16E-13	3.69E-13	8.63E-13	2.29E-15	4.65E-13	8.68E-16	1.20E-16	9.89E-11	2.67E-10
HHR69	PA	8.30E-15	3.25E-15	7.72E-15	2.35E-10	3.99E-11	5.23E-13	6.10E-13	1.43E-12	3.79E-15	7.69E-13	1.44E-15	1.99E-16	1.64E-10	4.42E-10
HHR70	PA	1.37E-14	5.37E-15	1.27E-14	3.88E-10	6.58E-11	8.63E-13	1.01E-12	2.36E-12	6.26E-15	1.27E-12	2.37E-15	3.29E-16	2.70E-10	7.29E-10
HHR71	PA	2.66E-15	1.04E-15	2.48E-15	7.53E-11	1.28E-11	1.68E-13	1.96E-13	4.58E-13	1.22E-15	2.47E-13	4.60E-16	6.39E-17	5.25E-11	1.42E-10
HHR72	PA	3.74E-15	1.47E-15	3.48E-15	1.06E-10	1.80E-11	2.35E-13	2.75E-13	6.43E-13	1.71E-15	3.46E-13	6.46E-16	8.98E-17	7.37E-11	1.99E-10
HHR73	PA	4.22E-15	1.65E-15	3.93E-15	1.19E-10	2.03E-11	2.66E-13	3.10E-13	7.26E-13	1.93E-15	3.91E-13	7.30E-16	1.01E-16	8.32E-11	2.25E-10
HHR74	PA	6.36E-15	2.49E-15	5.91E-15	1.80E-10	3.05E-11	4.00E-13	4.67E-13	1.09E-12	2.91E-15	5.89E-13	1.10E-15	1.53E-16	1.25E-10	3.38E-10
HHR75	PA	5.03E-15	1.97E-15	4.68E-15	1.42E-10	2.42E-11	3.17E-13	3.70E-13	8.66E-13	2.30E-15	4.66E-13	8.70E-16	1.21E-16	9.92E-11	2.68E-10
HHR76	PA	5.03E-15	1.97E-15	4.68E-15	1.42E-10	2.42E-11	3.17E-13	3.70E-13	8.65E-13	2.30E-15	4.66E-13	8.70E-16	1.21E-16	9.92E-11	2.68E-10
HHR77	PA	5.22E-15	2.05E-15	4.86E-15	1.48E-10	2.51E-11	3.29E-13	3.84E-13	8.98E-13	2.39E-15	4.84E-13	9.03E-16	1.25E-16	1.03E-10	2.78E-10
HHR78	PA	4.53E-15	1.77E-15	4.21E-15	1.28E-10	2.17E-11	2.85E-13	3.33E-13	7.78E-13	2.07E-15	4.19E-13	7.82E-16	1.09E-16	8.92E-11	2.41E-10
HHR79	PA	7.27E-15	2.85E-15	6.76E-15	2.06E-10	3.49E-11	4.58E-13	5.35E-13	1.25E-12	3.32E-15	6.73E-13	1.26E-15	1.74E-16	1.43E-10	3.87E-10
HHR80	PA	4.30E-15	1.69E-15	4.00E-15	1.22E-10	2.07E-11	2.71E-13	3.16E-13	7.40E-13	1.97E-15	3.99E-13	7.44E-16	1.03E-16	8.49E-11	2.29E-10
HHR81	PA	3.23E-15	1.27E-15	3.01E-15	9.15E-11	1.55E-11	2.04E-13	2.38E-13	5.56E-13	1.48E-15	2.99E-13	5.59E-16	7.76E-17	6.37E-11	1.72E-10
HHR82	PA	4.40E-15	1.73E-15	4.10E-15	1.25E-10	2.12E-11	2.77E-13	3.24E-13	7.57E-13	2.01E-15	4.08E-13	7.61E-16	1.06E-16	8.68E-11	2.34E-10
HHR83	PA	5.40E-15	2.12E-15	5.02E-15	1.53E-10	2.59E-11	3.40E-13	3.97E-13	9.28E-13	2.47E-15	5.00E-13	9.33E-16	1.30E-16	1.06E-10	2.87E-10
MPOI	PA	4.94E-15	1.94E-15	4.59E-15	1.40E-10	2.37E-11	3.11E-13	3.63E-13	8.49E-13	2.26E-15	4.58E-13	8.54E-16	1.19E-16	9.74E-11	2.63E-10

Notes:
PA = Project Alone; ADD = Average daily doses; n/a = Not applicable.

Table M4.2-3: Carcinogenic Average Daily Dose for Polycyclic Aromatic Hydrocarbons Group

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	3.4E-18	5.2E-17	2.7E-17	4.6E-12	3.3E-15	2.2E-13	5.6E-15	1.6E-14	9.3E-16	2.3E-12	4.3E-15	5.2E-16	6.3E-14	7.2E-12
HHR2	PA	3.6E-18	5.5E-17	2.9E-17	4.8E-12	3.5E-15	2.3E-13	6.0E-15	1.7E-14	1.0E-15	2.4E-12	4.5E-15	5.4E-16	6.6E-14	7.6E-12
HHR3	PA	8.8E-18	1.4E-16	7.2E-17	1.2E-11	8.6E-15	5.8E-13	1.5E-14	4.3E-14	2.5E-15	5.8E-12	1.1E-14	1.3E-15	1.6E-13	1.9E-11
HHR4	PA	3.5E-18	5.3E-17	2.8E-17	4.7E-12	3.4E-15	2.2E-13	5.7E-15	1.7E-14	9.5E-16	2.3E-12	4.4E-15	5.4E-16	6.5E-14	7.4E-12
HHR5	PA	6.0E-18	9.2E-17	4.8E-17	8.1E-12	5.9E-15	3.9E-13	1.0E-14	2.9E-14	1.7E-15	3.9E-12	7.4E-15	9.0E-16	1.1E-13	1.3E-11
HHR6	PA	1.3E-17	1.9E-16	1.0E-16	1.7E-11	1.2E-14	8.2E-13	2.1E-14	6.2E-14	3.6E-15	8.4E-12	1.6E-14	1.9E-15	2.3E-13	2.7E-11
HHR7	PA	3.2E-18	4.9E-17	2.6E-17	4.3E-12	3.1E-15	2.1E-13	5.6E-15	1.6E-14	9.3E-16	2.1E-12	3.9E-15	4.7E-16	5.6E-14	6.7E-12
HHR8	PA	3.5E-18	5.4E-17	2.8E-17	4.8E-12	3.4E-15	2.3E-13	6.0E-15	1.7E-14	1.0E-15	2.3E-12	4.4E-15	5.3E-16	6.3E-14	7.4E-12
HHR9	PA	3.1E-18	4.7E-17	2.5E-17	4.2E-12	3.0E-15	2.0E-13	5.1E-15	1.5E-14	8.5E-16	2.1E-12	3.9E-15	4.7E-16	5.7E-14	6.5E-12
HHR10	PA	4.3E-18	6.7E-17	3.5E-17	5.9E-12	4.3E-15	2.8E-13	7.2E-15	2.1E-14	1.2E-15	2.9E-12	5.5E-15	6.7E-16	8.2E-14	9.2E-12
HHR11	PA	4.5E-18	6.9E-17	3.7E-17	6.1E-12	4.4E-15	2.9E-13	7.7E-15	2.2E-14	1.3E-15	3.0E-12	5.7E-15	6.8E-16	8.2E-14	9.5E-12
HHR12	PA	4.1E-18	6.4E-17	3.4E-17	5.6E-12	4.1E-15	2.7E-13	7.1E-15	2.0E-14	1.2E-15	2.7E-12	5.1E-15	6.1E-16	7.6E-14	8.7E-12
HHR13	PA	4.7E-18	7.2E-17	3.8E-17	6.3E-12	4.5E-15	3.0E-13	7.9E-15	2.3E-14	1.3E-15	3.1E-12	5.8E-15	7.0E-16	8.4E-14	9.8E-12
HHR14	PA	3.7E-18	5.8E-17	3.0E-17	5.1E-12	3.7E-15	2.4E-13	6.3E-15	1.8E-14	1.1E-15	2.5E-12	4.7E-15	5.7E-16	6.9E-14	7.9E-12
HHR15	PA	9.8E-18	1.5E-16	7.9E-17	1.3E-11	9.3E-15	6.5E-13	1.7E-14	4.9E-14	2.8E-15	6.3E-12	1.2E-14	1.4E-15	1.7E-13	2.0E-11
HHR16	PA	4.0E-18	6.2E-17	3.2E-17	5.4E-12	3.9E-15	2.6E-13	6.8E-15	2.0E-14	1.1E-15	2.7E-12	5.0E-15	6.0E-16	7.2E-14	8.5E-12
HHR17	PA	3.3E-18	5.0E-17	2.6E-17	4.4E-12	3.2E-15	2.1E-13	5.6E-15	1.6E-14	9.3E-16	2.1E-12	4.1E-15	4.9E-16	5.8E-14	6.9E-12
HHR18	PA	4.1E-18	6.2E-17	3.3E-17	5.5E-12	3.9E-15	2.6E-13	6.9E-15	2.0E-14	1.1E-15	2.7E-12	5.1E-15	6.1E-16	7.3E-14	8.6E-12
HHR19	PA	5.0E-18	7.8E-17	4.1E-17	6.8E-12	4.9E-15	3.3E-13	8.6E-15	2.5E-14	1.4E-15	3.3E-12	6.3E-15	7.6E-16	9.1E-14	1.1E-11
HHR20	PA	4.6E-18	7.0E-17	3.7E-17	6.2E-12	4.4E-15	3.0E-13	7.8E-15	2.2E-14	1.3E-15	3.0E-12	5.7E-15	6.8E-16	8.2E-14	9.6E-12
HHR21	PA	4.6E-18	7.1E-17	3.7E-17	6.3E-12	4.5E-15	3.0E-13	7.8E-15	2.3E-14	1.3E-15	3.1E-12	5.8E-15	6.9E-16	8.3E-14	9.7E-12
HHR22	PA	5.3E-18	8.2E-17	4.3E-17	7.2E-12	5.2E-15	3.5E-13	9.0E-15	2.6E-14	1.5E-15	3.6E-12	6.7E-15	8.1E-16	9.7E-14	1.1E-11
HHR23	PA	3.8E-18	5.8E-17	3.1E-17	5.2E-12	3.8E-15	2.5E-13	6.4E-15	1.9E-14	1.1E-15	2.5E-12	4.7E-15	5.7E-16	7.1E-14	8.0E-12
HHR24	PA	4.0E-18	6.2E-17	3.3E-17	5.5E-12	4.0E-15	2.6E-13	6.9E-15	2.0E-14	1.1E-15	2.6E-12	5.0E-15	6.0E-16	7.4E-14	8.5E-12
HHR25	PA	7.4E-18	1.1E-16	6.0E-17	1.0E-11	7.2E-15	4.8E-13	1.3E-14	3.6E-14	2.1E-15	4.9E-12	9.3E-15	1.1E-15	1.3E-13	1.6E-11
HHR26	PA	7.7E-18	1.2E-16	6.3E-17	1.1E-11	7.6E-15	5.1E-13	1.3E-14	3.8E-14	2.2E-15	5.1E-12	9.7E-15	1.2E-15	1.4E-13	1.6E-11
HHR27	PA	6.7E-18	1.0E-16	5.4E-17	9.0E-12	6.5E-15	4.4E-13	1.1E-14	3.3E-14	1.9E-15	4.4E-12	8.3E-15	9.9E-16	1.2E-13	1.4E-11
HHR28	PA	4.5E-18	6.9E-17	3.6E-17	6.1E-12	4.4E-15	3.0E-13	7.7E-15	2.2E-14	1.3E-15	3.0E-12	5.6E-15	6.7E-16	8.0E-14	9.5E-12
HHR29	PA	1.7E-18	2.6E-17	1.4E-17	2.3E-12	1.6E-15	1.1E-13	2.9E-15	8.4E-15	4.9E-16	1.1E-12	2.1E-15	2.5E-16	3.0E-14	3.6E-12
HHR30	PA	4.1E-18	6.3E-17	3.3E-17	5.5E-12	4.0E-15	2.7E-13	6.9E-15	2.0E-14	1.2E-15	2.7E-12	5.1E-15	6.1E-16	7.5E-14	8.6E-12
HHR31	PA	1.3E-18	2.1E-17	1.1E-17	1.8E-12	1.3E-15	8.8E-14	2.3E-15	6.6E-15	3.9E-16	8.7E-13	1.6E-15	2.0E-16	2.3E-14	2.8E-12
HHR32	PA	2.4E-18	3.7E-17	2.0E-17	3.3E-12	2.3E-15	1.6E-13	4.2E-15	1.2E-14	7.0E-16	1.6E-12	3.0E-15	3.6E-16	4.3E-14	5.1E-12
HHR33	PA	3.3E-18	5.0E-17	2.6E-17	4.4E-12	3.2E-15	2.1E-13	5.6E-15	1.6E-14	9.3E-16	2.1E-12	4.1E-15	4.9E-16	5.8E-14	6.9E-12
HHR34	PA	3.8E-18	5.9E-17	3.1E-17	5.2E-12	3.7E-15	2.5E-13	6.5E-15	1.9E-14	1.1E-15	2.5E-12	4.8E-15	5.8E-16	6.9E-14	8.1E-12
HHR35	PA	2.9E-18	4.5E-17	2.4E-17	4.0E-12	2.8E-15	1.9E-13	5.0E-15	1.4E-14	8.3E-16	1.9E-12	3.7E-15	4.4E-16	5.2E-14	6.2E-12
HHR36	PA	3.9E-18	6.0E-17	3.2E-17	5.3E-12	3.8E-15	2.5E-13	6.6E-15	1.9E-14	1.1E-15	2.6E-12	4.9E-15	5.9E-16	7.1E-14	8.3E-12
HHR37	PA	4.5E-18	6.9E-17	3.6E-17	6.1E-12	4.4E-15	2.9E-13	7.5E-15	2.2E-14	1.2E-15	3.0E-12	5.6E-15	6.8E-16	8.3E-14	9.4E-12
HHR38	PA	3.0E-18	4.6E-17	2.4E-17	4.1E-12	2.9E-15	2.0E-13	5.2E-15	1.5E-14	8.6E-16	2.0E-12	3.8E-15	4.5E-16	5.4E-14	6.4E-12
HHR39	PA	3.6E-18	5.5E-17	2.9E-17	4.8E-12	3.5E-15	2.3E-13	6.1E-15	1.8E-14	1.0E-15	2.4E-12	4.4E-15	5.3E-16	6.4E-14	7.5E-12
HHR40	PA	3.4E-18	5.3E-17	2.8E-17	4.6E-12	3.3E-15	2.2E-13	5.9E-15	1.7E-14	9.8E-16	2.3E-12	4.3E-15	5.1E-16	6.1E-14	7.2E-12
HHR41	PA	3.3E-18	5.1E-17	2.7E-17	4.5E-12	3.2E-15	2.2E-13	5.7E-15	1.6E-14	9.5E-16	2.2E-12	4.1E-15	5.0E-16	5.9E-14	7.0E-12
HHR42	PA	4.0E-18	6.2E-17	3.3E-17	5.5E-12	3.9E-15	2.6E-13	6.9E-15	2.0E-14	1.1E-15	2.7E-12	5.0E-15	6.1E-16	7.2E-14	8.5E-12

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR43	PA	3.5E-18	5.4E-17	2.8E-17	4.8E-12	3.5E-15	2.2E-13	5.8E-15	1.7E-14	9.6E-16	2.4E-12	4.5E-15	5.5E-16	6.6E-14	7.5E-12
HHR44	PA	3.6E-18	5.6E-17	2.9E-17	4.9E-12	3.6E-15	2.3E-13	6.0E-15	1.7E-14	1.0E-15	2.5E-12	4.6E-15	5.6E-16	6.8E-14	7.72E-12
HHR45	PA	5.4E-18	8.4E-17	4.4E-17	7.4E-12	5.2E-15	3.6E-13	9.3E-15	2.7E-14	1.6E-15	3.6E-12	6.7E-15	8.1E-16	9.6E-14	1.14E-11
HHR46	PA	9.4E-18	1.4E-16	7.6E-17	1.3E-11	9.2E-15	6.1E-13	1.6E-14	4.6E-14	2.6E-15	6.3E-12	1.2E-14	1.4E-15	1.7E-13	1.98E-11
HHR47	PA	9.3E-18	1.4E-16	7.5E-17	1.3E-11	9.1E-15	6.0E-13	1.6E-14	4.5E-14	2.6E-15	6.2E-12	1.2E-14	1.4E-15	1.7E-13	1.97E-11
HHR48	PA	3.5E-18	5.4E-17	2.8E-17	4.7E-12	3.4E-15	2.3E-13	6.0E-15	1.7E-14	1.0E-15	2.3E-12	4.3E-15	5.2E-16	6.2E-14	7.36E-12
HHR49	PA	1.3E-17	2.1E-16	1.1E-16	1.8E-11	1.3E-14	8.8E-13	2.3E-14	6.6E-14	3.8E-15	8.9E-12	1.7E-14	2.0E-15	2.4E-13	2.84E-11
HHR50	PA	1.3E-17	2.0E-16	1.0E-16	1.8E-11	1.3E-14	8.3E-13	2.2E-14	6.3E-14	3.6E-15	8.7E-12	1.6E-14	2.0E-15	2.4E-13	2.75E-11
HHR51	PA	3.0E-17	4.6E-16	2.4E-16	4.0E-11	2.9E-14	2.0E-12	5.1E-14	1.5E-13	8.5E-15	2.0E-11	3.7E-14	4.5E-15	5.3E-13	6.29E-11
HHR52	PA	4.7E-18	7.2E-17	3.8E-17	6.4E-12	4.6E-15	3.1E-13	7.9E-15	2.3E-14	1.3E-15	3.1E-12	5.9E-15	7.1E-16	8.7E-14	9.96E-12
HHR53	PA	9.6E-18	1.5E-16	7.8E-17	1.3E-11	9.4E-15	6.2E-13	1.6E-14	4.7E-14	2.7E-15	6.4E-12	1.2E-14	1.5E-15	1.8E-13	2.03E-11
HHR54	PA	5.1E-18	7.8E-17	4.1E-17	6.9E-12	5.0E-15	3.3E-13	8.6E-15	2.5E-14	1.4E-15	3.4E-12	6.4E-15	7.7E-16	9.4E-14	1.08E-11
HHR55	PA	1.5E-17	2.3E-16	1.2E-16	2.0E-11	1.5E-14	9.5E-13	2.5E-14	7.2E-14	4.1E-15	9.8E-12	1.8E-14	2.2E-15	2.8E-13	3.11E-11
HHR56	PA	8.0E-18	1.2E-16	6.5E-17	1.1E-11	7.9E-15	5.2E-13	1.4E-14	3.9E-14	2.3E-15	5.3E-12	9.9E-15	1.2E-15	1.5E-13	1.69E-11
HHR57	PA	7.1E-18	1.1E-16	5.7E-17	9.6E-12	7.1E-15	4.6E-13	1.2E-14	3.4E-14	2.0E-15	4.7E-12	8.9E-15	1.1E-15	1.3E-13	1.50E-11
HHR58	PA	1.8E-17	2.8E-16	1.5E-16	2.4E-11	1.8E-14	1.2E-12	3.1E-14	8.9E-14	5.2E-15	1.2E-11	2.2E-14	2.7E-15	3.2E-13	3.79E-11
HHR59	PA	1.7E-17	2.5E-16	1.3E-16	2.2E-11	1.6E-14	1.1E-12	2.8E-14	8.1E-14	4.7E-15	1.1E-11	2.0E-14	2.5E-15	3.0E-13	3.48E-11
HHR60	PA	1.5E-17	2.3E-16	1.2E-16	2.0E-11	1.4E-14	9.7E-13	2.5E-14	7.2E-14	4.2E-15	9.6E-12	1.8E-14	2.2E-15	2.6E-13	3.08E-11
HHR61	PA	7.6E-18	1.2E-16	6.2E-17	1.0E-11	7.5E-15	5.0E-13	1.3E-14	3.7E-14	2.2E-15	5.0E-12	9.4E-15	1.1E-15	1.4E-13	1.60E-11
HHR62	PA	7.2E-18	1.1E-16	5.8E-17	9.8E-12	7.1E-15	4.7E-13	1.2E-14	3.5E-14	2.1E-15	4.7E-12	8.9E-15	1.1E-15	1.3E-13	1.52E-11
HHR63	PA	3.8E-18	5.8E-17	3.1E-17	5.1E-12	3.7E-15	2.5E-13	6.4E-15	1.8E-14	1.1E-15	2.5E-12	4.7E-15	5.7E-16	6.9E-14	7.95E-12
HHR64	PA	5.1E-18	7.8E-17	4.1E-17	6.9E-12	4.9E-15	3.3E-13	8.6E-15	2.5E-14	1.4E-15	3.3E-12	6.3E-15	7.6E-16	9.1E-14	1.07E-11
HHR65	PA	3.7E-18	5.7E-17	3.0E-17	5.1E-12	3.7E-15	2.4E-13	6.3E-15	1.8E-14	1.1E-15	2.5E-12	4.6E-15	5.6E-16	6.8E-14	7.86E-12
HHR66	PA	8.5E-18	1.3E-16	6.9E-17	1.2E-11	8.2E-15	5.6E-13	1.5E-14	4.2E-14	2.4E-15	5.6E-12	1.1E-14	1.3E-15	1.5E-13	1.79E-11
HHR67	PA	9.3E-18	1.4E-16	7.5E-17	1.3E-11	9.1E-15	6.1E-13	1.6E-14	4.6E-14	2.6E-15	6.1E-12	1.2E-14	1.4E-15	1.7E-13	1.97E-11
HHR68	PA	6.2E-18	9.5E-17	5.0E-17	8.3E-12	6.0E-15	4.0E-13	1.0E-14	3.0E-14	1.7E-15	4.1E-12	7.7E-15	9.3E-16	1.1E-13	1.30E-11
HHR69	PA	3.5E-18	5.3E-17	2.8E-17	4.7E-12	3.3E-15	2.3E-13	5.9E-15	1.7E-14	9.9E-16	2.3E-12	4.3E-15	5.2E-16	6.2E-14	7.29E-12
HHR70	PA	3.6E-18	5.5E-17	2.9E-17	4.8E-12	3.5E-15	2.3E-13	6.1E-15	1.8E-14	1.0E-15	2.3E-12	4.4E-15	5.3E-16	6.4E-14	7.52E-12
HHR71	PA	4.3E-18	6.6E-17	3.5E-17	5.8E-12	4.2E-15	2.8E-13	7.3E-15	2.1E-14	1.2E-15	2.8E-12	5.4E-15	6.4E-16	7.7E-14	9.06E-12
HHR72	PA	7.9E-18	1.2E-16	6.4E-17	1.1E-11	7.6E-15	5.2E-13	1.4E-14	3.9E-14	2.3E-15	5.2E-12	9.7E-15	1.2E-15	1.4E-13	1.66E-11
HHR73	PA	5.7E-18	8.7E-17	4.6E-17	7.7E-12	5.6E-15	3.7E-13	9.6E-15	2.8E-14	1.6E-15	3.8E-12	7.2E-15	8.6E-16	1.0E-13	1.20E-11
HHR74	PA	4.1E-18	6.3E-17	3.3E-17	5.6E-12	4.0E-15	2.7E-13	7.0E-15	2.0E-14	1.2E-15	2.7E-12	5.1E-15	6.2E-16	7.4E-14	8.65E-12
HHR75	PA	4.4E-18	6.8E-17	3.6E-17	6.0E-12	4.4E-15	2.9E-13	7.5E-15	2.2E-14	1.3E-15	2.9E-12	5.5E-15	6.6E-16	8.2E-14	9.32E-12
HHR76	PA	8.1E-18	1.2E-16	6.5E-17	1.1E-11	8.0E-15	5.2E-13	1.4E-14	3.9E-14	2.3E-15	5.4E-12	1.0E-14	1.2E-15	1.5E-13	1.72E-11
HHR77	PA	5.0E-18	7.7E-17	4.1E-17	6.8E-12	4.9E-15	3.3E-13	8.5E-15	2.5E-14	1.4E-15	3.3E-12	6.3E-15	7.6E-16	9.1E-14	1.06E-11
HHR78	PA	5.5E-18	8.5E-17	4.5E-17	7.5E-12	5.3E-15	3.6E-13	9.4E-15	2.7E-14	1.6E-15	3.6E-12	6.9E-15	8.2E-16	9.9E-14	1.16E-11
HHR79	PA	4.4E-18	6.7E-17	3.5E-17	5.9E-12	4.2E-15	2.8E-13	7.4E-15	2.1E-14	1.2E-15	2.9E-12	5.5E-15	6.6E-16	7.9E-14	9.21E-12
HHR80	PA	3.6E-18	5.5E-17	2.9E-17	4.8E-12	3.5E-15	2.3E-13	6.0E-15	1.7E-14	1.0E-15	2.4E-12	4.5E-15	5.4E-16	6.4E-14	7.53E-12
HHR81	PA	4.4E-18	6.7E-17	3.5E-17	5.9E-12	4.2E-15	2.8E-13	7.4E-15	2.1E-14	1.2E-15	2.9E-12	5.4E-15	6.5E-16	7.8E-14	9.19E-12
HHR82	PA	4.5E-18	6.9E-17	3.6E-17	6.1E-12	4.4E-15	2.9E-13	7.6E-15	2.2E-14	1.3E-15	3.0E-12	5.6E-15	6.7E-16	8.1E-14	9.43E-12
HHR83	PA	4.3E-18	6.6E-17	3.5E-17	5.8E-12	4.2E-15	2.8E-13	7.3E-15	2.1E-14	1.2E-15	2.9E-12	5.4E-15	6.5E-16	7.7E-14	9.10E-12
MPOI	PA	3.9E-16	6.0E-15	3.2E-15	5.4E-10	4.2E-13	2.3E-11	5.8E-13	1.8E-12	9.5E-14	2.9E-10	5.5E-13	6.8E-14	8.6E-12	8.65E-10

Notes:
PA = Project Alone; ADD = Average daily doses; n/a = Not applicable.

Table M4.2-4: Carcinogenic Average Daily Dose Amortized over a Lifetime for Polycyclic Aromatic Hydrocarbons Group

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	4.4E-17	7.7E-17	4.1E-17	7.1E-12	4.7E-15	3.1E-13	7.5E-15	2.2E-14	1.3E-15	3.0E-12	5.7E-15	6.9E-16	9.4E-14	1.1E-11
HHR2	PA	4.7E-17	8.2E-17	4.4E-17	7.5E-12	4.9E-15	3.4E-13	8.1E-15	2.3E-14	1.4E-15	3.2E-12	6.0E-15	7.2E-16	9.8E-14	1.1E-11
HHR3	PA	1.2E-16	2.0E-16	1.1E-16	1.9E-11	1.2E-14	8.4E-13	2.0E-14	5.8E-14	3.4E-15	7.8E-12	1.5E-14	1.8E-15	2.3E-13	2.8E-11
HHR4	PA	4.5E-17	7.9E-17	4.2E-17	7.3E-12	4.8E-15	3.2E-13	7.7E-15	2.2E-14	1.3E-15	3.1E-12	5.9E-15	7.1E-16	9.7E-14	1.1E-11
HHR5	PA	7.8E-17	1.4E-16	7.3E-17	1.3E-11	8.3E-15	5.6E-13	1.4E-14	3.9E-14	2.3E-15	5.2E-12	9.9E-15	1.2E-15	1.7E-13	1.9E-11
HHR6	PA	1.7E-16	2.9E-16	1.5E-16	2.6E-11	1.7E-14	1.2E-12	2.9E-14	8.3E-14	4.9E-15	1.1E-11	2.1E-14	2.5E-15	3.4E-13	3.9E-11
HHR7	PA	4.2E-17	7.3E-17	3.9E-17	6.7E-12	4.3E-15	3.1E-13	7.5E-15	2.1E-14	1.3E-15	2.7E-12	5.2E-15	6.2E-16	8.3E-14	9.9E-12
HHR8	PA	4.6E-17	8.0E-17	4.3E-17	7.4E-12	4.8E-15	3.3E-13	8.1E-15	2.3E-14	1.4E-15	3.1E-12	5.8E-15	7.0E-16	9.4E-14	1.1E-11
HHR9	PA	4.0E-17	7.0E-17	3.7E-17	6.5E-12	4.3E-15	2.9E-13	6.9E-15	2.0E-14	1.2E-15	2.8E-12	5.2E-15	6.3E-16	8.5E-14	9.6E-12
HHR10	PA	5.7E-17	9.9E-17	5.3E-17	9.1E-12	6.1E-15	4.0E-13	9.7E-15	2.8E-14	1.6E-15	3.9E-12	7.4E-15	8.9E-16	1.2E-13	1.4E-11
HHR11	PA	5.9E-17	1.0E-16	5.5E-17	9.5E-12	6.2E-15	4.3E-13	1.0E-14	3.0E-14	1.7E-15	4.0E-12	7.5E-15	9.0E-16	1.2E-13	1.4E-11
HHR12	PA	5.4E-17	9.5E-17	5.1E-17	8.7E-12	5.7E-15	3.9E-13	9.6E-15	2.7E-14	1.6E-15	3.6E-12	6.8E-15	8.1E-16	1.1E-13	1.3E-11
HHR13	PA	6.1E-17	1.1E-16	5.7E-17	9.8E-12	6.4E-15	4.4E-13	1.1E-14	3.1E-14	1.8E-15	4.1E-12	7.8E-15	9.3E-16	1.3E-13	1.5E-11
HHR14	PA	4.9E-17	8.6E-17	4.6E-17	7.9E-12	5.2E-15	3.5E-13	8.5E-15	2.4E-14	1.4E-15	3.3E-12	6.3E-15	7.6E-16	1.0E-13	1.2E-11
HHR15	PA	1.3E-16	2.2E-16	1.2E-16	2.0E-11	1.3E-14	9.4E-13	2.3E-14	6.5E-14	3.9E-15	8.4E-12	1.6E-14	1.9E-15	2.5E-13	3.0E-11
HHR16	PA	5.3E-17	9.2E-17	4.9E-17	8.4E-12	5.5E-15	3.8E-13	9.2E-15	2.6E-14	1.6E-15	3.5E-12	6.7E-15	8.0E-16	1.1E-13	1.2E-11
HHR17	PA	4.3E-17	7.5E-17	4.0E-17	6.8E-12	4.4E-15	3.1E-13	7.6E-15	2.2E-14	1.3E-15	2.9E-12	5.4E-15	6.5E-16	8.6E-14	1.0E-11
HHR18	PA	5.3E-17	9.3E-17	5.0E-17	8.5E-12	5.5E-15	3.8E-13	9.3E-15	2.7E-14	1.6E-15	3.6E-12	6.7E-15	8.1E-16	1.1E-13	1.3E-11
HHR19	PA	6.6E-17	1.2E-16	6.2E-17	1.1E-11	6.9E-15	4.8E-13	1.2E-14	3.3E-14	2.0E-15	4.4E-12	8.4E-15	1.0E-15	1.3E-13	1.6E-11
HHR20	PA	6.0E-17	1.0E-16	5.6E-17	9.6E-12	6.2E-15	4.3E-13	1.0E-14	3.0E-14	1.8E-15	4.0E-12	7.6E-15	9.1E-16	1.2E-13	1.4E-11
HHR21	PA	6.1E-17	1.1E-16	5.6E-17	9.7E-12	6.3E-15	4.4E-13	1.1E-14	3.0E-14	1.8E-15	4.1E-12	7.7E-15	9.2E-16	1.2E-13	1.4E-11
HHR22	PA	7.0E-17	1.2E-16	6.5E-17	1.1E-11	7.3E-15	5.1E-13	1.2E-14	3.5E-14	2.1E-15	4.7E-12	8.9E-15	1.1E-15	1.4E-13	1.7E-11
HHR23	PA	5.0E-17	8.7E-17	4.6E-17	8.0E-12	5.3E-15	3.6E-13	8.7E-15	2.5E-14	1.5E-15	3.3E-12	6.3E-15	7.6E-16	1.1E-13	1.2E-11
HHR24	PA	5.3E-17	9.2E-17	4.9E-17	8.5E-12	5.6E-15	3.8E-13	9.3E-15	2.7E-14	1.6E-15	3.5E-12	6.6E-15	7.9E-16	1.1E-13	1.2E-11
HHR25	PA	9.7E-17	1.7E-16	9.0E-17	1.6E-11	1.0E-14	7.0E-13	1.7E-14	4.9E-14	2.9E-15	6.5E-12	1.2E-14	1.5E-15	2.0E-13	2.3E-11
HHR26	PA	1.0E-16	1.8E-16	9.5E-17	1.6E-11	1.1E-14	7.4E-13	1.8E-14	5.1E-14	3.0E-15	6.8E-12	1.3E-14	1.5E-15	2.1E-13	2.4E-11
HHR27	PA	8.7E-17	1.5E-16	8.1E-17	1.4E-11	9.1E-15	6.3E-13	1.5E-14	4.4E-14	2.6E-15	5.8E-12	1.1E-14	1.3E-15	1.8E-13	2.1E-11
HHR28	PA	5.9E-17	1.0E-16	5.5E-17	9.4E-12	6.1E-15	4.3E-13	1.0E-14	3.0E-14	1.8E-15	3.9E-12	7.4E-15	8.9E-16	1.2E-13	1.4E-11
HHR29	PA	2.2E-17	3.9E-17	2.1E-17	3.5E-12	2.3E-15	1.6E-13	4.0E-15	1.1E-14	6.7E-16	1.5E-12	2.8E-15	3.3E-16	4.4E-14	5.2E-12
HHR30	PA	5.3E-17	9.3E-17	5.0E-17	8.6E-12	5.6E-15	3.9E-13	9.3E-15	2.7E-14	1.6E-15	3.6E-12	6.7E-15	8.1E-16	1.1E-13	1.3E-11
HHR31	PA	1.8E-17	3.1E-17	1.6E-17	2.8E-12	1.8E-15	1.3E-13	3.1E-15	8.9E-15	5.3E-16	1.2E-12	2.2E-15	2.6E-16	3.5E-14	4.1E-12
HHR32	PA	3.2E-17	5.5E-17	3.0E-17	5.1E-12	3.3E-15	2.3E-13	5.6E-15	1.6E-14	9.5E-16	2.1E-12	4.0E-15	4.8E-16	6.3E-14	7.5E-12
HHR33	PA	4.3E-17	7.5E-17	4.0E-17	6.8E-12	4.4E-15	3.1E-13	7.5E-15	2.1E-14	1.3E-15	2.9E-12	5.4E-15	6.5E-16	8.6E-14	1.0E-11
HHR34	PA	5.0E-17	8.8E-17	4.7E-17	8.0E-12	5.2E-15	3.6E-13	8.8E-15	2.5E-14	1.5E-15	3.4E-12	6.4E-15	7.6E-16	1.0E-13	1.2E-11
HHR35	PA	3.8E-17	6.7E-17	3.6E-17	6.1E-12	4.0E-15	2.8E-13	6.8E-15	1.9E-14	1.1E-15	2.6E-12	4.9E-15	5.8E-16	7.8E-14	9.1E-12
HHR36	PA	5.1E-17	8.9E-17	4.8E-17	8.2E-12	5.4E-15	3.7E-13	9.0E-15	2.6E-14	1.5E-15	3.4E-12	6.5E-15	7.8E-16	1.1E-13	1.2E-11
HHR37	PA	5.8E-17	1.0E-16	5.4E-17	9.4E-12	6.2E-15	4.2E-13	1.0E-14	2.9E-14	1.7E-15	3.9E-12	7.4E-15	9.0E-16	1.2E-13	1.4E-11
HHR38	PA	4.0E-17	6.9E-17	3.7E-17	6.3E-12	4.1E-15	2.9E-13	7.0E-15	2.0E-14	1.2E-15	2.6E-12	5.0E-15	6.0E-16	8.0E-14	9.4E-12
HHR39	PA	4.7E-17	8.2E-17	4.4E-17	7.5E-12	4.8E-15	3.4E-13	8.3E-15	2.4E-14	1.4E-15	3.1E-12	5.9E-15	7.1E-16	9.4E-14	1.1E-11
HHR40	PA	4.5E-17	7.8E-17	4.2E-17	7.2E-12	4.7E-15	3.3E-13	7.9E-15	2.3E-14	1.3E-15	3.0E-12	5.7E-15	6.8E-16	9.1E-14	1.1E-11
HHR41	PA	4.4E-17	7.6E-17	4.1E-17	7.0E-12	4.5E-15	3.2E-13	7.7E-15	2.2E-14	1.3E-15	2.9E-12	5.5E-15	6.6E-16	8.8E-14	1.0E-11
HHR42	PA	5.3E-17	9.2E-17	4.9E-17	8.5E-12	5.5E-15	3.8E-13	9.3E-15	2.7E-14	1.6E-15	3.5E-12	6.7E-15	8.0E-16	1.1E-13	1.3E-11

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	ADD
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR43	PA	4.6E-17	8.0E-17	4.3E-17	7.4E-12	4.9E-15	3.3E-13	7.8E-15	2.3E-14	1.3E-15	3.2E-12	6.0E-15	7.2E-16	9.8E-14	1.1E-11
HHR44	PA	4.7E-17	8.3E-17	4.4E-17	7.6E-12	5.0E-15	3.4E-13	8.1E-15	2.3E-14	1.4E-15	3.3E-12	6.2E-15	7.4E-16	1.0E-13	1.14E-11
HHR45	PA	7.1E-17	1.2E-16	6.6E-17	1.1E-11	7.4E-15	5.2E-13	1.3E-14	3.6E-14	2.1E-15	4.7E-12	9.0E-15	1.1E-15	1.4E-13	1.69E-11
HHR46	PA	1.2E-16	2.1E-16	1.1E-16	2.0E-11	1.3E-14	8.8E-13	2.1E-14	6.1E-14	3.6E-15	8.3E-12	1.6E-14	1.9E-15	2.6E-13	2.93E-11
HHR47	PA	1.2E-16	2.1E-16	1.1E-16	2.0E-11	1.3E-14	8.8E-13	2.1E-14	6.1E-14	3.6E-15	8.3E-12	1.6E-14	1.9E-15	2.5E-13	2.91E-11
HHR48	PA	4.6E-17	8.0E-17	4.3E-17	7.3E-12	4.7E-15	3.3E-13	8.1E-15	2.3E-14	1.4E-15	3.1E-12	5.8E-15	6.9E-16	9.2E-14	1.09E-11
HHR49	PA	1.8E-16	3.1E-16	1.6E-16	2.8E-11	1.8E-14	1.3E-12	3.1E-14	8.9E-14	5.2E-15	1.2E-11	2.2E-14	2.7E-15	3.6E-13	4.19E-11
HHR50	PA	1.7E-16	3.0E-16	1.6E-16	2.7E-11	1.8E-14	1.2E-12	2.9E-14	8.4E-14	4.9E-15	1.2E-11	2.2E-14	2.6E-15	3.6E-13	4.06E-11
HHR51	PA	3.9E-16	6.8E-16	3.6E-16	6.3E-11	4.1E-14	2.8E-12	6.9E-14	2.0E-13	1.2E-14	2.6E-11	4.9E-14	5.9E-15	7.9E-13	9.28E-11
HHR52	PA	6.2E-17	1.1E-16	5.7E-17	9.9E-12	6.5E-15	4.4E-13	1.1E-14	3.1E-14	1.8E-15	4.2E-12	7.9E-15	9.5E-16	1.3E-13	1.47E-11
HHR53	PA	1.3E-16	2.2E-16	1.2E-16	2.0E-11	1.3E-14	9.1E-13	2.2E-14	6.3E-14	3.7E-15	8.5E-12	1.6E-14	1.9E-15	2.6E-13	3.00E-11
HHR54	PA	6.7E-17	1.2E-16	6.2E-17	1.1E-11	7.1E-15	4.8E-13	1.2E-14	3.3E-14	2.0E-15	4.5E-12	8.5E-15	1.0E-15	1.4E-13	1.59E-11
HHR55	PA	1.9E-16	3.4E-16	1.8E-16	3.1E-11	2.1E-14	1.4E-12	3.3E-14	9.6E-14	5.6E-15	1.3E-11	2.5E-14	3.0E-15	4.2E-13	4.59E-11
HHR56	PA	1.0E-16	1.8E-16	9.8E-17	1.7E-11	1.1E-14	7.6E-13	1.8E-14	5.3E-14	3.1E-15	7.0E-12	1.3E-14	1.6E-15	2.2E-13	2.49E-11
HHR57	PA	9.3E-17	1.6E-16	8.6E-17	1.5E-11	9.9E-15	6.7E-13	1.6E-14	4.6E-14	2.7E-15	6.2E-12	1.2E-14	1.4E-15	2.0E-13	2.21E-11
HHR58	PA	2.4E-16	4.1E-16	2.2E-16	3.8E-11	2.5E-14	1.7E-12	4.2E-14	1.2E-13	7.0E-15	1.6E-11	3.0E-14	3.6E-15	4.8E-13	5.59E-11
HHR59	PA	2.2E-16	3.8E-16	2.0E-16	3.5E-11	2.3E-14	1.6E-12	3.8E-14	1.1E-13	6.5E-15	1.4E-11	2.7E-14	3.3E-15	4.4E-13	5.13E-11
HHR60	PA	1.9E-16	3.4E-16	1.8E-16	3.1E-11	2.0E-14	1.4E-12	3.4E-14	9.7E-14	5.8E-15	1.3E-11	2.4E-14	2.9E-15	3.9E-13	4.55E-11
HHR61	PA	1.0E-16	1.7E-16	9.3E-17	1.6E-11	1.1E-14	7.2E-13	1.8E-14	5.0E-14	3.0E-15	6.6E-12	1.2E-14	1.5E-15	2.1E-13	2.36E-11
HHR62	PA	9.5E-17	1.6E-16	8.8E-17	1.5E-11	1.0E-14	6.9E-13	1.7E-14	4.8E-14	2.8E-15	6.3E-12	1.2E-14	1.4E-15	2.0E-13	2.24E-11
HHR63	PA	4.9E-17	8.6E-17	4.6E-17	7.9E-12	5.2E-15	3.6E-13	8.7E-15	2.5E-14	1.5E-15	3.3E-12	6.2E-15	7.5E-16	1.0E-13	1.17E-11
HHR64	PA	6.6E-17	1.2E-16	6.2E-17	1.1E-11	6.9E-15	4.8E-13	1.2E-14	3.3E-14	2.0E-15	4.4E-12	8.4E-15	1.0E-15	1.3E-13	1.57E-11
HHR65	PA	4.9E-17	8.5E-17	4.5E-17	7.8E-12	5.1E-15	3.5E-13	8.5E-15	2.4E-14	1.4E-15	3.3E-12	6.2E-15	7.4E-16	1.0E-13	1.16E-11
HHR66	PA	1.1E-16	1.9E-16	1.0E-16	1.8E-11	1.2E-14	8.1E-13	2.0E-14	5.6E-14	3.3E-15	7.4E-12	1.4E-14	1.7E-15	2.3E-13	2.64E-11
HHR67	PA	1.2E-16	2.1E-16	1.1E-16	2.0E-11	1.3E-14	8.8E-13	2.1E-14	6.1E-14	3.6E-15	8.2E-12	1.5E-14	1.9E-15	2.5E-13	2.90E-11
HHR68	PA	8.1E-17	1.4E-16	7.5E-17	1.3E-11	8.4E-15	5.8E-13	1.4E-14	4.0E-14	2.4E-15	5.4E-12	1.0E-14	1.2E-15	1.6E-13	1.92E-11
HHR69	PA	4.5E-17	7.9E-17	4.2E-17	7.3E-12	4.7E-15	3.3E-13	8.0E-15	2.3E-14	1.4E-15	3.0E-12	5.7E-15	6.8E-16	9.1E-14	1.08E-11
HHR70	PA	4.7E-17	8.2E-17	4.4E-17	7.5E-12	4.8E-15	3.4E-13	8.3E-15	2.4E-14	1.4E-15	3.1E-12	5.9E-15	7.1E-16	9.4E-14	1.11E-11
HHR71	PA	5.6E-17	9.8E-17	5.2E-17	9.0E-12	5.9E-15	4.1E-13	9.9E-15	2.8E-14	1.7E-15	3.8E-12	7.1E-15	8.6E-16	1.1E-13	1.34E-11
HHR72	PA	1.0E-16	1.8E-16	9.7E-17	1.7E-11	1.1E-14	7.6E-13	1.8E-14	5.2E-14	3.1E-15	6.9E-12	1.3E-14	1.5E-15	2.1E-13	2.45E-11
HHR73	PA	7.4E-17	1.3E-16	6.9E-17	1.2E-11	7.8E-15	5.4E-13	1.3E-14	3.7E-14	2.2E-15	5.0E-12	9.5E-15	1.1E-15	1.5E-13	1.77E-11
HHR74	PA	5.4E-17	9.4E-17	5.0E-17	8.6E-12	5.6E-15	3.9E-13	9.4E-15	2.7E-14	1.6E-15	3.6E-12	6.8E-15	8.2E-16	1.1E-13	1.28E-11
HHR75	PA	5.8E-17	1.0E-16	5.4E-17	9.3E-12	6.1E-15	4.2E-13	1.0E-14	2.9E-14	1.7E-15	3.8E-12	7.3E-15	8.8E-16	1.2E-13	1.38E-11
HHR76	PA	1.1E-16	1.9E-16	9.9E-17	1.7E-11	1.1E-14	7.6E-13	1.8E-14	5.3E-14	3.1E-15	7.2E-12	1.4E-14	1.6E-15	2.3E-13	2.53E-11
HHR77	PA	6.6E-17	1.2E-16	6.1E-17	1.1E-11	6.9E-15	4.8E-13	1.2E-14	3.3E-14	1.9E-15	4.4E-12	8.4E-15	1.0E-15	1.4E-13	1.57E-11
HHR78	PA	7.2E-17	1.3E-16	6.7E-17	1.2E-11	7.5E-15	5.2E-13	1.3E-14	3.6E-14	2.1E-15	4.8E-12	9.1E-15	1.1E-15	1.5E-13	1.71E-11
HHR79	PA	5.7E-17	1.0E-16	5.3E-17	9.2E-12	6.0E-15	4.1E-13	1.0E-14	2.9E-14	1.7E-15	3.8E-12	7.3E-15	8.7E-16	1.2E-13	1.36E-11
HHR80	PA	4.7E-17	8.2E-17	4.4E-17	7.5E-12	4.9E-15	3.4E-13	8.2E-15	2.3E-14	1.4E-15	3.1E-12	5.9E-15	7.1E-16	9.6E-14	1.11E-11
HHR81	PA	5.7E-17	1.0E-16	5.3E-17	9.1E-12	5.9E-15	4.1E-13	1.0E-14	2.9E-14	1.7E-15	3.8E-12	7.2E-15	8.7E-16	1.2E-13	1.35E-11
HHR82	PA	5.9E-17	1.0E-16	5.5E-17	9.4E-12	6.1E-15	4.2E-13	1.0E-14	2.9E-14	1.7E-15	3.9E-12	7.4E-15	8.9E-16	1.2E-13	1.39E-11
HHR83	PA	5.7E-17	9.9E-17	5.3E-17	9.0E-12	5.9E-15	4.1E-13	9.9E-15	2.8E-14	1.7E-15	3.8E-12	7.2E-15	8.6E-16	1.2E-13	1.34E-11
MPOI	PA	5.1E-15	8.9E-15	4.7E-15	8.3E-10	5.9E-13	3.4E-11	7.8E-13	2.4E-12	1.3E-13	3.9E-10	7.3E-13	9.1E-14	1.3E-11	1.27E-09

Notes:
PA = Project Alone; ADD = Average daily doses; n/a = Not applicable.

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Appendix M5

Risk Assessment Models

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1.0 PREDICTION OF CHEMICALS OF POTENTIAL CONCERN CONCENTRATIONS IN ENVIRONMENTAL MEDIA

Quantifying the potential risks to human health due to chemical emissions from the Lewis Project first required estimating the concentration of chemicals of potential concern (COPC) in the relevant environmental media (e.g., soil, native vegetation, wildlife) following their release.

Based on predicted maximum annual ground-level air concentrations for each COPC (Volume 3, Tables M2-1 to M2-12), and using equations and assumptions provided by the United States Environmental Protection Agency Office of Solid Waste (US EPA 2005), chemical concentrations were estimated in the following environmental media:

- soil
- surrogate browse such as Labrador tea
- surrogate root crop such as cattails
- berries
- wildlife
- fish
- surface water.

COPC concentrations in each environmental medium were predicted for the Application and Planned Development cases for each receptor location.

Details regarding the mathematical modelling to assess the potential human health risks follow. A worked example with arsenic as the COPC is also shown for the Application Case at the maximum point of impingement receptor location.

1.1 Calculation of Chemicals of Potential Concern Concentrations in Soil

1.1.1 Calculation of Chemicals of Potential Concern Deposition Term

Deposition rates per unit area of soil for the COPC from the ambient air quality modelling were converted to deposition rates per unit mass of soil by using the following equation:

$$Ds = \frac{\left(\left(dep.AQT / 1.0\times10^{4}\right)\cdot 1.0\times10^{6}\right) \Big/ \left((Zs)/100\right)}{\left(BD\cdot 1000\right)}$$

where:

Parameter	Definition	Units	Value	Reference
Ds	Deposition Term	mg/kg/y	$1.96x10^{-6}$	Calculated for arsenic
dep.AQT	Deposition value from ambient air quality modelling	kg/ha-y	$5.49x10^{-7}$	Air quality modelling
$1.0x10^{4}$	Conversion factor from hectare to square meters	m^2/ha	$1.0x10^{4}$	n/a
$1.0x10^{6}$	Conversion factor from kilograms to milligrams	mg/kg	$1.0x10^{6}$	n/a
Zs	Soil mixing depth (default)	cm	2	US EPA (2005)
100	Conversion factor from centimeter to meter	cm/m	100	n/a
BD	Soil bulk density for fine-grain soil	g/cm^3	1.4	ESRD (2014)
1,000	Conversion factor from grams per cubic centimeter to kilograms per cubic meter	$(g/cm^3)/(kg/m^3)$	1,000	n/a

Note:
n/a = Not applicable

1.1.2 Calculation of Chemicals of Potential Concern Losses in Soil

Although COPC may be deposited onto the soil from the ambient air, there remains the potential that they also may be lost from the soil. To calculate the concentration of COPC in soil, these losses have to be quantified. There are five mechanisms by which chemicals can be lost from soil:

- biotic and abiotic degradation
- erosion
- surface runoff
- leaching
- volatilization.

Each of these mechanisms needs to be addressed in the determination of the final predicted soil concentration.

1.1.2.1 Calculation of Chemicals of Potential Concern Losses from Soil Due to Biotic and Abiotic Degradation

The COPC loss constant due to biotic and abiotic degradation (*ksg*) is COPC-specific. Values were obtained from US EPA (2005). For arsenic, ksg is:

$$ksg_{arsenic} = 0\ yr^{-1}$$

1.1.2.2 Calculation of Chemicals of Potential Concern Losses from Soil Due to Erosion

The COPC loss constant due to erosion (*kse*) is typically COPC and site-specific. However, US EPA (2005) recommends a default value of 0 for all COPC based on the assumption that contaminated soil erodes equally both onto the site and away from the site. Therefore, there is no net loss or gain to the soil due to erosion. The kse for arsenic is:

$$kse_{arsenic} = 0\ yr^{-1}$$

1.1.2.3 Calculation of Chemicals of Potential Concern Losses from Soil Due to Surface Runoff

After deposition onto the soil surface, COPC can be lost from the site due to surface runoff. To account for this, a loss constant is calculated. The COPC loss constant due to surface runoff (*ksr*) is typically COPC and site-specific.

$$ksr = \frac{RO}{\theta_{sw} \cdot Z_s} \cdot \left(\frac{1}{1 + \left(Kds \cdot BD / \theta_{sw} \right)} \right)$$

where:

Parameter	Definition	Units	Value	Reference
ksr	COPC soil loss constant due to runoff	1/y	0.112	Calculated for arsenic
RO	Average annual surface runoff from pervious areas	cm/y	9.1	Bothe and Abraham (1993)
θ_{sw}	Soil volumetric water content	ml/cm^3	0.12	ESRD (2014)
Zs	Soil mixing depth (default)	cm	2	US EPA (2005)
kds	Soil-water partition coefficient	ml/g	29	US EPA (2005)
BD	Soil bulk density	g/cm^3	1.4	ESRD (2014)

1.1.2.4 Calculation of Chemicals of Potential Concern Losses from Soil Due to Leaching

COPCs that are deposited to the soil surface can also be lost from the site through leaching processes. A leaching loss constant (*ksl*) is calculated as follows:

$$ksl = \frac{P + I - RO - Ev}{\theta_{sw} \cdot Z_s \cdot \left[1.0 + \left(BD \cdot Kds / \theta_{sw} \right) \right]}$$

where:

Parameter	Definition	Units	Value	Reference
ksl	COPC soil loss constant due to leaching	1/y	7.86×10^{-2}	Calculated for arsenic
P	Average annual precipitation (site-specific long-term (1981-2010) average value for Cold Lake)	cm/y	42.1	Environment Canada (2015)
I	Average annual irrigation	cm/y	0	US EPA (2005)
RO	Average annual surface runoff from pervious areas (default)	cm/y	9.1	US EPA (2005)
Ev	Average annual evapotranspiration (for Cold Lake)	cm/y	29	Bothe and Abraham (1993)
θ_{sw}	Soil volumetric water content	ml/cm^3	0.12	ESRD (2014)
Zs	Soil mixing depth (default)	cm	2	US EPA (2005)
kds	Soil-water partition coefficient	ml/g	29	US EPA (2005)
BD	Soil bulk density	g/cm^3	1.4	ESRD (2014)

1.1.2.5 Calculation of Chemicals of Potential Concern Losses from Soil Due to Volatilization

Deposited COPC can also be lost from the site through volatilization, particularly for chemicals with high vapour pressures. To calculate a loss constant due to volatilization (*ksv*), the following equation was used.

$$ksv = \left[\frac{3.1536 \times 10^7 \cdot H}{Z_s \cdot Kds \cdot R \cdot T_a \cdot BD} \right] \cdot \left(\frac{D_a}{Z_s} \right) \cdot \left[1 - \left(\frac{BD}{\rho_{soil}} \right) - \theta_{sw} \right]$$

where:

Parameter	Definition	Units	Value	Reference
ksv	COPC soil loss constant due to volatilization	1/y	0	Calculated for arsenic
3.1536×10^7	Conversion factor from year to seconds	sec/y	3.1536×10^7	n/a
H	Henry's Law Constant	$atm\text{-}m^3/mol$	0.77	US EPA (2005)
Zs	Soil mixing depth (default)	cm	2	US EPA (2005)
kds	Soil-water partition coefficient	cm^3/g	29	US EPA (2005)
R	Universal gas constant	$atm\text{-}m^3/mol\text{-}K$	8.205×10^{-5}	US EPA (2005)
T_a	Ambient air temperature	K	298	US EPA (2005)
BD	Soil bulk density	g/cm^3	1.4	ESRD (2014)
D_a	Diffusivity of COPC in air (COPC specific)	cm^2/sec	0.0772	US EPA (2005)
θ_{sw}	Soil volumetric water content	ml/cm^3	0.12	ESRD (2014)
ρ_{soil}	Solids particle density (default)	g/cm^3	2.7	US EPA (2005)

Note:
n/a = Not applicable.

However for metals, non-volatile and semi-volatile COPC, US EPA (2005) recommends setting all *ksv* values to be zero.

1.1.2.6 Calculation of Chemical of Potential Concern Losses from Soil Due to All Processes

Therefore, the total loss constant for the site is the sum of all of the soil loss constants, i.e.,

$$ks = ksg + kse + ksr + ksl + ksv$$

where:

Parameter	Definition	Unit	Value	Reference
ks	COPC soil loss constant due to all processes	1/y	0.190	Calculated for arsenic
ksg	COPC soil loss constant due to degradation	1/y	0	US EPA (2005)
kse	COPC soil loss constant due to erosion	1/y	0	Calculated for arsenic
ksr	COPC soil loss constant due to runoff	1/y	0.112	Calculated for arsenic
ksl	COPC soil loss constant due to leaching	1/y	0.0786	Calculated for arsenic
ksv	COPC soil loss constant due to volatilization	1/y	0	Calculated for arsenic

The values presented in the above table are for the worked example of arsenic.

1.1.3 Calculation of Chemicals of Potential Concern Concentration in Soil

Following the calculation of the soil loss constants, the predicted COPC concentration can be determined. US EPA (2005) recommends using different equations for this calculation depending on whether the COPC being modelled is carcinogenic or non-carcinogenic.

1.1.3.1 Non-Carcinogenic Chemicals of Potential Concerns

$$Cs_{tD} = \frac{Ds \cdot [1 - \exp(-ks \cdot tD)]}{ks}$$

where:

Parameter	Description	Units	Value	Reference
Cs_{tD}	Soil concentration at time tD for project only case	mg/kg	1.03×10^{-5}	Calculated for arsenic
Ds	Deposition term	mg/kg-y	1.96×10^{-6}	Calculated for arsenic
tD	Total time period over which deposition occurs	y	50	Assumption
ks	COPC soil loss constant due to all processes	1/y	0.19	Calculated for arsenic

The calculated incremental value for the Project Alone is added to the baseline COPC concentration in soil (i.e., 2.42 mg/kg; Volume 3, Table M3-1).

$$Cs = 2.42\ mg/kg + 1.03x10^{-5}\ mg/kg = 2.42\ mg/kg$$

1.1.3.2 Carcinogenic Chemicals of Potential Concerns

$$Cs = \frac{\left(\frac{Ds \cdot tD - Cs_{tD}}{ks}\right) + \left(\frac{Cs_{tD}}{ks}\right) \cdot \left(1 - \exp\left[-ks \cdot (T2 - tD)\right]\right)}{(T2 - T1)}$$

where:

Parameter	Description	Units	Value	Reference
Cs	Soil concentration at time for project only case	mg/kg	$6.44x10^{-6}$	Calculated for arsenic
Ds	Deposition term	mg/kg-y	$1.96x10^{-6}$	Calculated for arsenic
tD	Total time period over which deposition occurs	yr	50	Assumption
ks	COPC soil loss constant due to all processes	1/y	0.19	Calculated for arsenic
T1	Length of exposure duration	y	0	Assumption
T2	Time period at the beginning (assumed average lifespan of adult according to CCME)	y	80	Assumption

The calculated incremental value for the Project Alone is added to the baseline COPC concentration in soil (i.e., 2.42 mg/kg; Volume 3, Table M3-1).

$$Cs = 2.42\ mg/kg + 6.44x10^{-6}\ mg/kg = 2.42\ mg/kg$$

1.2 Calculation of Chemicals of Potential Concern Concentrations in Plants

Plants have the capacity to accumulate some COPC from the surrounding environment. The accumulation of the COPC may be in different parts of the plant (e.g., berries, leaves, roots) and then have the potential to affect people who harvest and consume these plants. The amount of COPC that is accumulated is dependent on a myriad of factors including the chemical itself, species of plants, and soil type. Therefore, to evaluate the health risks to people, it is necessary to predict the potential COPC concentration in plants following emission, dispersion, and deposition.

There are no specific models available that predict the concentration of COPC into specific constituents of the plant (e.g., berries). Therefore, for this assessment, it was assumed that the assimilation of COPC in plants would be distributed equally to all parts. The human receptor would then consume the entire plant.

The first step in this exposure modelling was to predict the COPC concentration in plants due to three specific pathways i.e., deposition on the plant, absorption from the air, and uptake/translocation from the root.

1.2.1 Calculation of Chemicals of Potential Concern Particle Deposition to Plant Surfaces

The plant concentration due to direct deposition onto the leaf surface is presented as follows:

$$Pd = \frac{1000 \cdot Q \cdot (1 - Fv) \cdot [Dydp + (Fw \cdot Dywp)] \cdot Rp \cdot [1.0 - \exp(-kp \cdot Tp)]}{Yp \cdot kp}$$

where:

Parameter	Definition	Units	Value	Reference
Pd	Plant concentration due to direct (wet/dry) deposition for project only	mg/kg	3.84×10^{-6}	Calculated for arsenic
1,000	Conversion factor from milligrams to grams	mg/g	1,000	n/a
Q	COPC emission rate; COPC-specific from air quality modelling	g/sec	1.99×10^{-8}	Modelled
Fv	Fraction of COPC air concentration in vapour phase	unitless	6.00×10^{-3}	US EPA (2005)
Dydp	Unitized yearly dry deposition from particle phase	sec/m^2-y	1.84	Modelled
Fw	Fraction of COPC wet deposition that adheres to plant surfaces (Default)	unitless	0.6	US EPA (2005)
Dywp	Unitized yearly wet deposition from particle phase	sec/m^2-y	0.919	Modelled
Rp	Interception fraction of the edible portion of the plant (Default)	unitless	0.39	US EPA (2005)
kp	Plant surface loss coefficient (Default)	1/y	18	US EPA (2005)
Tp	Length of plant exposure to deposition per harvest of the edible portion of plant (Default)	y	0.16	US EPA (2005)
Yp	Yield or standing crop biomass of the edible portion of the plant (productivity) (Default)	kg/m^2	2.24	US EPA (2005)

Note:
n/a = Not applicable

1.2.2 Calculation of Chemicals of Potential Concern Vapour Transfer from Air to Plant Tissue

Plants were also assumed to be able to absorb the COPC vapours directly from the air through the air exchange processes via the stomata. The uptake of COPC is predicted through the following equation:

$$Pv = Q \cdot Fv \cdot \frac{Cyv \cdot Bv \cdot VG}{\rho_a}$$

where:

Parameter	Definition	Units	Value	Reference
Pv	Plant concentration due to air-to-plant transfer	mg/kg	0	Calculated for arsenic
Q	COPC emission rate; COPC-specific from air quality modelling	g/sec	$1.99x10^{-8}$	Modelled
Fv	Fraction of COPC air concentration in vapour phase	unitless	$6.00x10^{-3}$	US EPA (2005)
Cyv	Unitized yearly average air concentration from vapour phase from air quality modelling	$\mu g\text{-}sec/g\text{-}m^3$	0.0033	Modelled
Bv	COPC air-to-plant biotransfer factor for above-ground produce	unitless	0	US EPA (2005)
VG	Empirical correction factor for above-ground produce (1.0 if log K_{ow} is <4 or 0.01 if log K_{ow} is >4	unitless	1.0	US EPA (2005)
ρ_a	Density of air	g/m^3	1,200	US EPA (2005)

1.2.3 Calculation of Chemicals of Potential Concern Root Uptake from Soil to Plant Tissue Above Ground

Typically, COPC deposited on the soil surface may potentially enter into plants through the root uptake process. In this process, the COPC are dissolved in the soil pore water and then absorbed by the roots. Once absorbed by the roots, the COPC are assumed to transport to the above ground tissues and sequester into the edible parts of the plant (e.g., leaves, berries). The process is modelled by the following:

$$\mathrm{Pr}_{ag} = Br_{ag} \cdot Cs$$

where:

Parameter	Definition	Units	Value	Reference
Pr_{ag}	Concentration of COPC in above-ground produce due to root uptake	mg/kg	$6.52x10^{-8}$	Calculated for arsenic
Br_{ag}	Plant-soil bioconcentration factor for above-ground produce	unitless	$6.00x10^{-3}$	US EPA (2005)
Cs	Soil concentration	mg/kg	$1.03x10^{-5}$	Calculated for arsenic

1.2.4 Calculation of Chemicals of Potential Concern Root Uptake from Soil to Plant Tissue Below Ground

The conceptual site exposure model assumed that the human receptor would be harvesting and consuming plant roots as part of traditional activities. Therefore, this exposure assumes that the COPC will be deposited onto the soil and then taken up by plants. These COPC would then accumulate in the root tissues. This process would be estimated by the following:

$$\mathrm{Pr}_{bg} = \frac{Cs \cdot Br_{rootveg}}{k_{ds}}$$

where:

Parameter	Definition	Units	Value	Reference
Pr_{bg}	Concentration of COPC in below-ground produce due to root uptake	mg/kg	$8.24x10^{-8}$	Calculated for arsenic
Br_{bg}	Plant-soil bioconcentration factor for below-ground produce	unitless	$8.00x10^{-3}$	US EPA (2005)
k_{ds}	Soil-water partition coefficient	ml/g	29	US EPA (2005)
Cs	Soil concentration	mg/kg	$1.03x10^{-5}$	Calculated for arsenic

1.2.5 Calculation of Overall Chemicals of Potential Concern Concentration in Plants

The total contribution of COPC to the surrogate plant's concentration from the airborne emissions of the Lewis Project would be the sum of the individual pathways that the chemicals may be absorbed by the plant.

$$Pi = (Pd + Pv + \mathrm{Pr})$$

where:

Parameter	Definition	Units	Value	Reference
Pi	Overall concentration of COPC in plant	mg/kg	$3.90x10^{-6}$	Calculated for arsenic
Pd	Concentration of COPC in plant due to direct (wet/dry) deposition	mg/kg	$3.84x10^{-5}$	Calculated for arsenic
Pv	Concentration of COPC in plant due to air-to-plant transfer	mg/kg	0	Calculated for arsenic
Pr	Concentration of COPC in above-ground produce due to root uptake	mg/kg	$6.52x10^{-8}$	Calculated for arsenic

This value is then added to the baseline concentration of 0.05 mg/kg; therefore, the overall plant concentration is 0.05 mg/kg.

All the predicted concentrations for plants are calculated on a dry-weight basis. For human and wildlife plant consumption, the concentrations were converted to wet-weight using the water content specified in the analytical report (Volume 3, Appendix M3) as the specific consumption rates, which are typically expressed in wet-weight of plants per kilogram of body weight basis. Therefore, the plant arsenic concentration, corrected for water content, is 0.025 mg/kg.

1.3 Calculation of Chemicals of Potential Concern Concentration in Water

1.3.1 Calculation of Chemicals of Potential Concern Loading to Water

Airborne emissions of COPC were assumed to be deposited into the surrounding region and then may migrate into surface waterbodies. The COPC loading to surface water was estimated based on the amount of COPC that were present in the surrounding environment and the contribution of each loading pathway to the watershed as shown in the following equation:

$$L_T = L_{DEP} + L_{DIF} + L_{RI} + L_R + L_E$$

where:

Parameter	Definition	Units	Value	Reference
LT	Total COPC load to the waterbody (including deposition, runoff, erosion)	g/y	46.5	See calculation below
Ldep	Total (wet/dry) particle phase and wet vapour phase COPC direct deposition load to waterbody	g/y	7.39×10^{-2}	See calculation below
Ldif	Vapour phase COPC diffusion (dry deposition) load to waterbody	g/y	0	See calculation below
Lri	Runoff load from impervious surfaces	g/y	7.19	See calculation below
Lr	Runoff load from pervious surfaces	g/y	38	See calculation below
Le	Soil erosion load	g/y	1.21	See calculation below

1.3.2 Direct Deposition to the Surface Waterbody

The first loading pathway to be estimated is associated with the direct deposition of the COPC from the ambient air into the surface waterbody. This relationship is expressed as:

$$L_{DEP} = Q \cdot \left[Fv \cdot Dytwv + (1 - Fv) \cdot Dytwp \right] \cdot Aw$$

where:

Parameter	Definition	Units	Value	Reference
Ldep	Total (wet/dry) particle phase and wet vapour phase COPC direct deposition load to waterbody	g/y	7.39×10^{-2}	Calculated for arsenic
Q	COPC emission rate	g/sec	1.99×10^{-8}	Air quality modelling
Fv	Fraction of COPC air concentration in vapour phase	unitless	0	US EPA (2005)
Dytwv	Unitized yearly (waterbody and watershed) average total (wet/dry) deposition from vapour phase	sec/m^2-y	0	Air quality modelling
Dytwp	Unitized yearly (waterbody and watershed) average total (wet/dry) deposition from particle phase	sec/m^2-y	2.756	Air quality modelling
Aw	Waterbody surface area (i.e., Steepbank River)	m^2	1.35×10^5	Hydrology modelling

1.3.3 Vapour Phase Diffusion Load to Surface Waterbody

Dry deposition of the COPC to the surface waterbody assumes that vapour phase COPC will diffuse into the surface waterbody through chemical affinity processes. This diffusion was estimated by the following equation:

$$Ldif = \frac{\mathrm{Kv} \cdot \mathrm{Q\ x\ Fv} \cdot \mathrm{Cywv} \cdot \mathrm{Aw} \cdot 10^{-6}}{\mathrm{H\ /\ R\ Twk}}$$

where:

Parameter	Definition	Units	Value	Reference
Ldif	Vapour phase COPC diffusion (dry deposition) load to waterbody	g/y	0	Calculated for arsenic
Kv	Overall COPC transfer rate coefficient	m/y	$1.47x10^{-1}$	Calculated for arsenic
Q	COPC emission rate	g/sec	$1.99x10^{-8}$	Air quality modelling
Fv	Fraction of COPC air concentration in vapour phase	unitless	0	US EPA (2005)
Cywv	Unitized yearly (waterbody and watershed) average air concentration from vapour phase	µg-sec/g-m^3	0	Air quality modelling
Aw	Waterbody surface area (i.e., Steepbank River)	m^2	$1.35x10^5$	Hydrology modelling
10^{-06}	Conversion factor	g/µg	$1.0x10^{-6}$	n/a
H	Henry's Law constant	atm-m^3/mol	$4.8x10^{-4}$	n/a
R	Universal Gas constant	atm-m^3/mol-K	$8.2x10^{-5}$	n/a
Twk	Waterbody temperature (Default)	K	298	US EPA (2005)

Note:
n/a = Not applicable

1.3.4 Runoff from Impervious Surfaces

Deposited COPC on the soil surface may either infiltrate into the soil or run off into the surface waterbody directly over surfaces that do not allow for infiltration. The loading into the surface waterbody from this runoff was estimated by the following:

$$Lri = \mathrm{Q} \cdot [\mathrm{Fv\ x\ Dywwv} + (1.0 - \mathrm{Fv}) \cdot \mathrm{Dytwp}] \cdot \mathrm{Ai}$$

where:

Parameter	Definition	Units	Value	Reference
Lri	Runoff load from impervious surfaces	g/y	7.19	Calculated for arsenic
Q	COPC emission rate	g/sec	$1.99x10^{-8}$	Air quality modelling
Fv	Fraction of COPC air concentration in vapour phase	unitless	0	US EPA (2005)
Dywwv	Unitized yearly (waterbody and watershed) average wet deposition from vapour phase	sec/m^2-y	0	Air quality modelling
Dytwp	Unitized yearly (waterbody and watershed) average total (wet/dry) deposition from vapour phase	sec/m^2-y	2.756	Air quality modelling
Ai	Impervious watershed area receiving COPC deposition (assumed 10% of watershed)	m^2	$1.31x10^8$	US EPA (2005)

1.3.5 Runoff from Pervious Surfaces

In some areas of the region, deposited COPC from the ambient air may infiltrate into the soil surface to some degree. Despite this infiltration, there remains the possibility that the some of the deposited COPC may still run off the site and into surface waterbodies in the area. Therefore, to account for this runoff, the following equation estimates the loss from pervious surfaces.

$$Lr = \frac{\mathrm{RO} \cdot (\mathrm{AL} - \mathrm{Ai}) \cdot \mathrm{Cs} \cdot \mathrm{BD} \cdot 0.01}{\theta \mathrm{sw} + (\mathrm{Kds} \cdot \mathrm{BD})}$$

where:

Parameter	Definition	Units	Value	Reference
Lr	Runoff load from pervious surfaces	g/y	$3.8x10^{1}$	Calculated for arsenic
RO	Average annual surface runoff from pervious areas	cm/y	9.1	Hydrology modelling
AL	Total watershed area receiving COPC deposition	m^2	$1.31x10^{9}$	Hydrology modelling
Ai	Impervious watershed area receiving COPC deposition	m^2	$1.31x10^{8}$	Hydrology modelling
Cs	COPC concentration in soil	mg/kg	$1.03x10^{-5}$	Calculated for arsenic
BD	Soil bulk density	g/cm^3	1.4	Alberta ESRD 2014
θsw	Soil volumetric water content	mL/cm^3	0.12	Alberta ESRD 2014
Kds	Soil-water partition coefficient	cm^3/g	29	US EPA (2005)
0.01	Conversion factor	$kg\text{-}cm^2/mg\text{-}m^2$	0.01	n/a

Note:
n/a = Not applicable

1.3.6 Soil Erosion Load

Another source of COPC into surface waterbodies is due to the loss of soil from pervious soil surfaces in the watershed. This soil erosion load is estimated by the following equation:

$$Le = \frac{\mathrm{Xe} \cdot (\mathrm{AL} - \mathrm{Ai}) \cdot \mathrm{SD} \cdot \mathrm{ER} \cdot \mathrm{Cs} \cdot \mathrm{Kds} \cdot \mathrm{BD} \cdot 0.001}{\theta \mathrm{sw} \cdot \mathrm{Kds} \cdot \mathrm{BD}}$$

where:

Parameter	Definition	Units	Value	Reference
Le	Soil erosion load	g/y	1.21	Calculated for arsenic
Xe	Unit soil loss	$kg/m^2\text{-}y$	2.29	Calculated for arsenic
AL	Total watershed area receiving COPC deposition	m^2	$1.31x10^{9}$	Hydrology modelling
Ai	Impervious watershed area receiving COPC deposition	m^2	$1.31x10^{8}$	Hydrology modelling
SD	Sediment delivery ratio (watershed)	unitless	$4.35x10^{-2}$	Calculated for arsenic
ER	Soil enrichment ratio	unitless	1	US EPA (2005)
Cs	COPC concentration in soil	mg/kg	$1.03x10^{-5}$	Calculated for arsenic
BD	Soil bulk density	g/cm^3	1.4	ESRD 2014
θsw	Soil volumetric water content	mL/cm^3	0.12	ESRD 2014
Kds	Soil-water partition coefficient	cm^3/g	29	US EPA (2005)
0.001	Conversion factor	$kg\text{-}cm^2/mg\text{-}m^2$	0.001	n/a

Note:
n/a = Not applicable.

1.3.7 Unit Soil Loss

The unit soil loss from the watershed draining into a surface waterbody is estimated by:

$$Xe = \frac{\mathrm{RF} \cdot \mathrm{K} \cdot \mathrm{LS} \cdot \mathrm{C} \cdot \mathrm{PF} \cdot 907.18}{4047}$$

where:

Parameter	Definition	Units	Value	Reference
Xe	Unit soil loss	kg/m^2-y	2.29	Calculated for arsenic
RF	USLE rainfall (or erosivity) factor	1/y	175	US EPA (2005)
K	USLE erodibility factor	ton/acre	0.39	US EPA (2005)
LS	USLE length-slope factor	unitless	1.5	US EPA (2005)
C	USLE cover management factor	unitless	0.1	US EPA (2005)
PF	USLE supporting practice factor	unitless	1	US EPA (2005)
907.18	Conversion factor	kg/ton	907.18	n/a
4047	Conversion factor	m^2/acre	4,047	n/a

Note:
n/a = Not applicable

1.3.8 Sediment Delivery Ratio

Deposited COPC may potentially run off into regional surface waterbodies as indicated by the various loadings in the previous sections. However, not all of the COPC may remain suspended in the water column, but rather may be deposited in the surface waterbody as sediment. Therefore, the sediment delivery ratio is estimated as a means of quantifying the sediment yield from the area relative to the gross erosion that occurs in the same area. This is determined by the following equation:

$$SD = a \cdot AL^{-b}$$

where:

Parameter	Definition	Units	Value	Reference
SD	Sediment delivery ratio (watershed)	unitless	4.35x10^{-2}	Calculated for arsenic
a	Empirical intercept coefficient (Default)	unitless	1.4	US EPA (2005)
b	Empirical slope coefficient	unitless	0.125	US EPA (2005)
AL	Total watershed area receiving COPC deposition	m^2	1.31x10^9	Hydrology modelling

1.3.9 Benthic Burial Rate Constant

The benthic burial rate constant was calculated based on the following equation:

$$kb = \frac{\mathrm{Xe} \cdot \mathrm{AL} \cdot \mathrm{SD} \cdot 1\mathrm{E}+3 - \mathrm{Vfx} \cdot \mathrm{TSS}}{\mathrm{Aw} \cdot \mathrm{TSS}} x \frac{\mathrm{TSS} \cdot 1.0\mathrm{E}-6}{\mathrm{BS} \cdot \mathrm{dbs}}$$

where:

Parameter	Definition	Units	Value	Reference
kb	Benthic burial rate constant	1/y	3.13	Calculated for arsenic
Xe	Unit soil loss	kg/m^2-y	2.29	Calculated for arsenic
AL	Total watershed area (evaluated) receiving deposition	m^2	1.31x10^9	Area of Steepbank River watershed
SD	Sediment delivery ratio (watershed)	unitless	4.35x10^{-2}	Calculated for arsenic
Vfx	Average volumetric flow rate through waterbody	m^3/y	1.90x10^8	Hydrology modelling
TSS	Total suspended solids concentration	mg/L	22.45	Water Quality Result
Aw	Waterbody surface area (Steepbank River)	m^2	1.31x10^9	Hydrology modelling
BS	Benthic solids concentration	g/cm^3	1	US EPA (2005)
dbs	Depth of upper benthic sediment layer	m	0.03	US EPA (2005)
1.00x10^{-6}	Conversion factor	kg/mg	0.000001	n/a
1.00x10^{-3}	Conversion factor	g/kg	1,000	n/a

Note:
n/a = Not applicable.

1.3.10 Gas Transfer Constant

The gas transfer constant recommended by US EPA (2005) for rivers and streams is:

$$K_G = 36500\ m/yr$$

1.3.11 Liquid Phase Transfer Coefficient

The liquid phase transfer coefficient was calculated using the following equation:

$$K_L = \frac{[1.0 \times 10^{-4} \cdot \mathrm{Dw} \cdot \mathrm{u}]^{0.5} \cdot 3.15 \times 10^7}{\mathrm{dz}}$$

where:

Parameter	Definition	Units	Value	Reference
K_L	Liquid phase transfer coefficient	m/y	1.29x10^{-1}	Calculated for arsenic
Dw	Diffusivity of COPC in water	cm^2/sec	9.57x10^{-6}	US EPA (2005)
u	Velocity of Steepbank River	m/sec	0.3	Hydrology modelling
1.00x10^{-04}	Conversion factor	m^2/cm^2	0.0001	n/a
dz	Total waterbody depth	m	1.03	Hydrology modelling
3.15x10^{+07}	Conversion factor	sec/y	31536000	n/a

Note:
n/a = Not applicable.

1.3.12 Overall Transfer Rate Coefficient

Based on the liquid phase transfer coefficient and the gas phase transfer coefficient calculated above, an overall transfer rate coefficient can be determined. The following equation presents the model used to calculate the overall transfer rate coefficient.

$$Kv = \left([(K_L{}^{-1}) + ((K_G \cdot \frac{H}{R \cdot Twk})^{-1})]^{-1} \right) \left(\theta^{Twk-293} \right)$$

where:

Parameter	Definition	Units	Value	Reference
Kv	Overall COPC transfer rate coefficient	m/y	$1.47x10^{-1}$	Calculated for arsenic
K_L	Liquid phase transfer coefficient	m/y	$1.29x10^{-1}$	Calculated for arsenic
K_G	Gas phase transfer coefficient	m/y	$3.65x10^{4}$	Calculated for arsenic
H	Henry's Law constant	atm-m^3/mol	0.77	US EPA (2005)
R	Universal Gas constant	atm-m^3/mol	0.00008205	US EPA (2005)
Twk	Waterbody temperature (Default)	K	298	US EPA (2005)
θ	Temperature correction factor	unitless	1.026	US EPA (2005)

1.3.13 Water Column Volatilization Rate Constant

COPC that may be present in the surface water column may still be subject to loss. Volatilization of the COPC from the water column may occur. This loss is expressed by the following rate constant:

$$kv = \frac{Kv}{dz \cdot (1 + Kdsw \cdot TSS \cdot 1.0 \times 10^{-6})}$$

where:

Parameter	Definition	Units	Value	Reference
kv	Water column volatilization rate constant	1/y	$1.43x10^{-1}$	Calculated for arsenic
Kv	Overall COPC transfer rate coefficient	m/y	$1.47x10^{-1}$	Calculated for arsenic
dz	Total waterbody depth	m	1.03	Hydrology modelling
Kdsw	Suspended sediments/surface water partition coefficient	L/kg	29	US EPA (2005)
TSS	Total suspended solids concentration	mg/L	22.45	Water Quality Result
$1.0x10^{-6}$	Conversion factor	kg/mg	0.000001	n/a

Note:
n/a = Not applicable.

1.3.14 Total Waterbody Dissipation Rate Constant

The concentration of the COPC in the waterbody is also dependent on the dissipation in the water column. This factor is addressed by the total waterbody dissipation rate constant as calculated below and using the previous calculated intermediate values:

$$kwt = (\mathrm{fwc} \cdot \mathrm{kv}) + (\mathrm{fbs} \cdot \mathrm{kb})$$

where:

Parameter	Definition	Units	Value	Reference
kwt	Overall total waterbody dissipation rate constant	1/y	1.55	Calculated for arsenic
fwc	Fraction of total waterbody COPC concentration in the water column	unitless	0.53	Calculated for arsenic
kv	Water column volatilization rate constant	1/y	1.43×10^{-1}	Calculated for arsenic
fbs	Fraction of total waterbody COPC concentration in benthic sediment	unitless	4.70×10^{-1}	Calculated for arsenic
kb	Benthic burial rate constant	1/y	3.13	Calculated for arsenic

1.3.15 Bed Sediment Porosity

The concentration of the COPC in the sediments of a surface waterbody is dependent on its porosity. The bed sediment porosity was calculated as follows:

$$\theta_{BS} = 1 - \frac{BS}{\rho_S}$$

where:

Parameter	Definition	Units	Value	Reference
θbs	Bed sediment porosity	Lwater/Lsediment	0.6	Calculated for arsenic
ρs	Bed sediment density	kg/L	2.65	US EPA (2005)
BS	Benthic solids concentration	kg/L	1	US EPA (2005)

1.3.16 Fraction of Total Chemicals of Potential Concern Waterbody Concentration in the Water Column

To determine the COPC concentration in the water column, it was necessary to calculate the fraction of the total COPC concentration in the water column. This was estimated as follows:

$$fwc = \frac{(1 + \mathrm{Kdsw} \cdot \mathrm{TSS} \cdot 1.0 \times 10^{-6}) \cdot \mathrm{dwc} / \mathrm{dz}}{(1 + \mathrm{Kdsw} \cdot \mathrm{TSS} \cdot 1.0 \times 10^{-6}) \cdot \mathrm{dwc} / \mathrm{dz} + (\mathrm{qbs} + \mathrm{Kdbs} \cdot \mathrm{BS}) \cdot \mathrm{dbs} / \mathrm{dz}}$$

where:

Parameter	Definition	Units	Value	Reference
fwc	Fraction of total waterbody COPC concentration in the water column	unitless	0.53	Calculated for arsenic
Kdsw	Suspended sediments/surface water partition coefficient	L/kg	29	US EPA (2005)
TSS	Total suspended solids concentration	mg/L	22.45	Hydrology modelling
$1.0x10^{-06}$	Conversion factor	kg/mg	0.000001	n/a
dz	Total waterbody depth	m	1.03	Hydrology modelling
θbs	Bed sediment porosity	Lwater/Lsediment	0.6	Calculated for arsenic
Kdbs	Bed sediment/sediment pore water partition coefficient	L/kg	29	US EPA (2005)
BS	Benthic solids concentration	g/cm^3	1	US EPA (2005)
dwc	Depth of water column	m	1	Hydrology modelling
dbs	Depth of upper benthic sediment layer	m	0.03	US EPA (2005)

Note:
n/a = Not applicable.

1.3.17 Total Waterbody Concentration

The total COPC in a surface waterbody was then determined using the following equation:

$$Cwtot = \frac{LT}{(\mathrm{Vfx} \cdot \mathrm{fwc}) + (\mathrm{kwt} \cdot \mathrm{Aw}) \cdot (\mathrm{dwc} + \mathrm{dbs})}$$

where:

Parameter	Definition	Units	Value	Reference
Cwtot	Total waterbody COPC concentration (including water column and bed sediment)	g/m^3	$4.52x10^{-7}$	Calculated for arsenic
LT	Total COPC load to the waterbody (including deposition, runoff, erosion)	g/y	$4.65x10^{1}$	Calculated for arsenic
Vfx	Average volumetric flow rate through waterbody	m^3/y	0.3	Hydrology modelling
fwc	Fraction of total waterbody COPC concentration in the water column	unitless	0.53	Calculated for arsenic
kwt	Overall total waterbody COPC dissipation rate constant	1/y	1.55	Calculated for arsenic
Aw	Waterbody surface area	m^2	$1.31x10^{8}$	Hydrology modelling
dwc	Depth of water column	m	1	Hydrology modelling
dbs	Depth of benthic sediment layer	m	0.03	US EPA (2005)

1.3.18 Concentration in the Sediment

Based on the previous calculations, the COPC concentration in the sediments was predicted using the intermediate values calculated above in the following equation:

$$Csed = \text{fbs x Cwtot } x \frac{Kdbs}{\theta_{BS} + Kdbs\ x\ BS} x \frac{dwc + dbs}{dbs}$$

where:

Parameter	Definition	Units	Value	Reference
Csed	COPC concentration in bed sediment	mg/kg	$7.15x10^{-6}$	Calculated for arsenic
fbs	Fraction of total waterbody COPC concentration in benthic sediment	unitless	0.47	Calculated for arsenic
Cwtot	Total waterbody COPC concentration, including water column and bed sediment	mg/L	$4.52x10^{-7}$	Calculated for arsenic
Kdbs	Bed sediment/sediment pore water partition coefficient	L/kg	29	US EPA (2005)
θbs	Bed sediment porosity	L/L	0.6	US EPA (2005)
BS	Benthic solids concentration	g/cm^3	1	US EPA (2005)
dwc	Depth of water column	m	1	US EPA (2005)
dbs	Depth of upper benthic sediment layer	m	0.03	US EPA (2005)

1.3.19 Dissolved Phase Water Concentration

The dissolved COPC concentration in a surface waterbody was predicted based on the following equation:

$$Cdw = \frac{Cwctot}{1 + \text{Kdsw} \cdot \text{TSS} \cdot 1.0 \times 10^{-6}}$$

where:

Parameter	Definition	Units	Value	Reference
Cdw	Dissolved phase water concentration	mg/L	$2.46x10^{-7}$	Calculated for arsenic
Cwctot	Total COPC concentration in water column	mg/L	$2.47x10^{-7}$	Calculated for arsenic
Kdsw	Suspended sediments/surface water partition coefficient	L/kg	29	US EPA (2005)
TSS	Total suspended solids concentration	mg/L	22.45	Water Quality Results
$1.0x10^{-06}$	Conversion factor	kg/mg	0.000001	n/a

Note:
n/a = Not applicable.

1.3.20 Calculation of Chemicals of Potential Concern Concentration in Water Column

The predicted total COPC concentration in the water column was calculated using the following equation:

$$Cwctot = fwc \; x \; Cwtot \; x \; \frac{dwc + dbs}{dwc}$$

where:

Parameter	Definition	Units	Value	Reference
Cwctot	Total COPC concentration in water column	mg/L	$2.47x10^{-7}$	Calculated for arsenic
fwc	Fraction of total waterbody COPC concentration in the water column	unitless	0.53	Calculated for arsenic
Cwtot	Total waterbody COPC concentration, including water column and bed sediment	mg/L	$4.52x10^{-7}$	Calculated for arsenic
dwc	Depth of water column	m	1	US EPA (2005)
dbs	Depth of upper benthic sediment layer	m	0.03	US EPA (2005)

This predicted COPC concentration in the water column for the Project Alone is then added to the baseline analytical value ($8.25x10^{-4}$ mg/L), resulting in a total concentration of $8.25x10^{-4}$ mg/L. The COPC concentration in the water column is used in the calculation of the Estimated Daily Intake, since the contaminants present in the sediments were not assumed to be ingested by either the human or ecological receptor.

1.4 Calculation of Chemicals of Potential Concern Concentrations in Wild Game

1.4.1 Calculation of Chemical of Potential Concern Concentration in Forage that Wild Game Consumes in their Diet

COPC concentrations in wild game tissue (e.g., ungulates, rabbits, etc.) are estimated based on the amount of COPC that the animals consume in their diet, which is assumed to consist entirely of forage. Therefore, the first step would be to predict the concentration of COPC in the forage. The equations to estimate COPC concentrations in forage are identical to those equations used to estimate COPC concentrations in plants, but with differences in the values of the following variables:

Parameter	Definition	Units	Value	Reference
Rp	Interception fraction of the edible portion of the plant (Default)	unitless	0.5	US EPA (2005)
Tp	Length of plant exposure to deposition per harvest of the edible portion of plant (Default)	y	0.12	US EPA (2005)
Yp	Yield or standing crop biomass of the edible portion of the plant (productivity), in dry weight	kg DW/m^2	0.24	US EPA (2005)
Bv	COPC air-to-plant biotransfer factor for above-ground produce (COPC Specific)	unitless	0	US EPA (2005)
Br	Plant-soil bioconcentration factor for above-ground produce (COPC Specific)	unitless	$6.33x10^{-03}$	US EPA (2005)

Using these revised values in Section 1.2, an estimated COPC concentration was estimated in forage of 0.203 mg/kg for arsenic in the Application Case at the receptor location Kearl Lake.

1.4.2 Calculation of Chemicals of Potential Concern Concentration in Wild Game Tissue

After estimating the COPC concentration in the above ground tissue of forage plants, it was assumed that wild game will consume the plants and the COPC will be assimilated and accumulate in the tissues of the animal. Similarly, the consumption of surface water by wild game would also introduce another source of exposures to the COPC as deposited chemicals may run off into surface waterbodies. The concentration in the wild game meat would then be predicted by the following equation:

$$A_{game} = \left(\left(F_i \cdot Qp \cdot P\right) + \left(Qs \cdot Cs \cdot Bs\right) + \left(Q_W \cdot C_W \cdot B_W\right)\right) \cdot Ba \cdot MF \cdot AUF$$

where:

Parameter	Definition	Units	Value	Reference
A_{game}	Concentration of COPC in game meat	mg/kg	6.13×10^{-3}	Calculated for arsenic
F_i	Fraction of forage grown on contaminated soil and ingested by the animal (recommended default)	unitless	1	US EPA (2005)
Qp	Quantity of forage ingested by the animal per day	kg/d	29.6	Environment Canada (2012)
P	Concentration of COPC in forage ingested by the animal (wet weight)	mg/kg	8.97×10^{-2}	Calculated for arsenic
Qs	Quantity of soil ingested by the animal	kg/d	0.16	Environment Canada (2012)
Bs	Soil bioavailability factor (recommended default)	unitless	1	US EPA (2005)
Cs	Concentration of COPC in soil	mg/kg	2.42	Calculated for arsenic
Qw	Quantity of water ingested by the animal	L/d	20	Environment Canada (2012)
Cw	Average water concentration over exposure duration	mg/L	8.25×10^{-4}	Calculated for arsenic
Bw	Soil bioavailability factor (recommended default)	unitless	1	US EPA (2005)
Ba	Biotransfer factor for wild game	d/kg	2.00×10^{-3}	US EPA (2005)
MF	Metabolism factor (recommended default)	unitless	1	US EPA (2005)
AUF	Area Use Factor	unitless	1	Assumption

The same equation was used to predict the tissue concentration in a small herbivorous mammal (e.g., snowshoe hare) and a small game bird (e.g., ruffed grouse). Resulting arsenic concentrations in the tissues were 7.58×10^{-5} mg/kg for the small mammal and 3.35×10^{-5} mg/kg for the game bird.

1.5 Calculation of Chemicals of Potential Concern Concentration in Fish Tissue

After estimating the COPC concentration in the surface water, it was assumed that fish living in the same water will assimilate and accumulate COPCs in the tissues. The concentration in the fish tissue would then be predicted by the following equation:

$$A_{fish} = BCF_{fish} \cdot C_w$$

where:

Parameter	Definition	Units	Value	Reference
A_{fish}	Concentration of COPC in fish tissue	mg/kg	2.81×10^{-5}	Calculated for arsenic
Cw	Dissolved phase water concentration	mg/L	2.46×10^{-7}	Calculated for arsenic
BCF_{fish}	Bioconcentration factor for fish	L/kg	114	US EPA (2005)

This predicted COPC concentration in the fish tissue for the Project Alone is then added to the baseline analytical value for arsenic in fish (0.0282 mg/kg) (Volume 3, Appendix M3), resulting in a total concentration of 2.82×10^{-2} mg/kg.

2.0 PREDICTION OF ESTIMATED DAILY INTAKES FOR HUMANS

Using the COPC concentrations predicted in each relevant environmental medium, equations and assumptions provided by Health Canada (2010) and Richardson (2013) were used to estimate the daily intake of chemicals due to:

- ingestion of soil
- dermal contact with soil
- inhalation of soil
- ingestion of native vegetation
- ingestion of wildlife game
- ingestion of fish.

Average daily doses were calculated for each COPC for the Baseline, Application, Planned Development Case and Project Alone cases at each receptor location. Average daily doses were calculated for toddlers (receptor for non-carcinogenic risks) and adults (receptor for carcinogenic risks), using receptor-specific parameters provided by Health Canada (2010) and Richardson (2013) as shown in Table M5-1.

Table M5-1: Receptor Assumptions for Exposure Modelling of Estimated Daily Intakes

Parameter	Units	Value for Infants	Value for Toddlers (Systemic Toxicity)	Value for Child	Value for Teen	Value for Adults (Cancer)
Age		0 – <1 y	1 – <5 y	5 – <12 y	12 – <20 y	>20 y
Lifespan						**80**
Soil Ingestion Rate[3]	mg/d	0	40	23	1.5	1.6
Water Ingestion Rate[3]	L/d	0.3	0.6	0.8	1	1.5
Native Vegetation Ingestion Rate[1]	g/d	0	1	1	3	3
Berries ingestion Rate[1]	g/d	0	5	11	19	23
Total Wild Game Ingestion Rate[1]	g/d	0	25	49	90	106
Moose Ingestion Rate[2]	g/d	0	19	37.2	68.4	80.6
Bird Ingestion Rate[2]	g/d	0	1.75	3.4	6.3	7.4
Hare Ingestion Rate[2]	g/d	0	3.5	6.9	12.6	14.8
Fish Ingestion Rate[2]	g/d	0	22	40	47	51
Fraction from Site	unitless	1	1	1	1	1
Skin Surface Area[3]	cm^2/d	4,064	6,557	11,989	17,594	18,990
Adherence Factor[4]	mg/cm^2	0.1	0.1	0.1	0.1	0.1
Inhalation Rate	m^3/d	2.7	7.9	14.2	15.6	16.6
Averaging Time	d	365	1,460	2,555	2,920	21,900
Body Weight	kg	8.1	15.3	35.2	65.2	76.5
Exposure Frequency (D1)	unitless	1	1	1	1	1
Exposure Frequency (D2)	unitless	1	1	1	1	1
Exposure Frequency (D3)	unitless	1	1	1	1	1
Exposure Frequency (D3 for soil)	unitless	0.5	0.5	0.5	0.5	0.5
Exposure Frequency (D4)	unitless	1	1	1	1	1

Notes:
[1] Based on Table 18 from Alberta Health and Wellness (2007) for consumption of traditional aboveground plants.
[2] Ingestion rates for moose, hare and bird are expressed as percentage of the Total Wild Game Ingestion rate, respectively; 63%, 25% and 12% AHW (2007).
[3] From Richardson (2013).
[4] From Health Canada (2010).

2.1 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Soil

The average daily dose due to the incidental ingestion of soil was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{soil} \cdot IngR_{soil} \cdot F \cdot RAF \cdot D2 \cdot D3}{BW}$$

$$ADD_{Adult} = \frac{Conc_{soil} \cdot IngR_{soil} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	$3.17x10^{-6}$	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	$8.08x10^{-14}$	Calculated for arsenic
$Conc_{soil}$	COPC concentration in soil for the Application Case	mg/kg	2.42	Calculated for arsenic
	COPC concentration in soil for the Project Alone	mg/kg	$1.03x10^{-5}$	Calculated for arsenic
$IngR_{soil}$	Ingestion rate for soil (Toddler)	mg/d	40	Richardson (2013)
	Ingestion rate for soil (Adult)	mg/d	1.6	Richardson (2013)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	0.5	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.2 Calculation of Chemicals of Potential Concern Intakes Due to Dermal Contact with Soil

The average daily dose due to the direct dermal contact with the soil was calculated as follows:

$$ADD_{Toddler} = \frac{\left(Conc_{soil} \cdot SA_H \cdot SL_H\right) \cdot \left(Conc_{soil} \cdot SA_O \cdot SL_O\right) \cdot F \cdot RAF \cdot D2 \cdot D3}{BW}$$

$$ADD_{Adult} = \frac{\left(Conc_{soil} \cdot SA_H \cdot SL_H\right) \cdot \left(Conc_{soil} \cdot SA_O \cdot SL_O\right) \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	$1.75x10^{-7}$	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	$2.79x10^{-13}$	Calculated for arsenic
$Conc_{soil}$	COPC concentration in soil for the Application Case	mg/kg	2.42	Calculated for arsenic
	COPC concentration in soil for the Project Alone	mg/kg	$1.03x10^{-5}$	Calculated for arsenic
SA_H	Hands skin surface area (Toddler)	cm^2	456	Richardson (2013)
	Hands skin surface area (Adult)	cm^2	953	Richardson (2013)
SA_O	Other than hands skin surface area (Toddler)	cm^2	2,800	Richardson (2013)
	Other than hands skin surface area (Adult)	cm^2	8,911	Richardson (2013)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
SL_H	Soil Loading for hands	kg/cm^2/event	$1x10^{-7}$	Health Canada (2010)
SL_O	Soil Loading for body parts other than hands	kg/cm^2/event	$1x10^{-8}$	Health Canada (2010)
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	0.5	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.3 Calculation of Chemicals of Potential Concern Intakes Due to Inhalation of Soil

The average daily dose due to the inhalation of resuspended soil particulates was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{soil} \cdot 0.00076 \cdot InhR \cdot F \cdot RAF \cdot D1 \cdot D2 \cdot D3}{BW}$$

$$ADD_{Adult} = \frac{Conc_{soil} \cdot 0.00076 \cdot InhR \cdot F \cdot RAF \cdot D1 \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	4.76×10^{-7}	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	6.37×10^{-13}	Calculated for arsenic
$Conc_{soil}$	COPC concentration in soil for the Application Case	mg/kg	2.42	Calculated for arsenic
	COPC concentration in soil for the Project Alone	mg/kg	1.03×10^{-5}	Calculated for arsenic
0.00076	Concentration of dust in ambient air	mg/m^3	0.00076	Health Canada (2010)
InhR	Inhalation rate (Toddler)	m^3/d	7.9	Richardson (2013)
	Inhalation rate (Adult)	m^3/d	16.6	Richardson (2013)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D1	Hours per day exposed / 24 hours	unitless	1	Assumption
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	0.5	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.4 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Leafy Plants

The average daily dose due to the ingestion of leafy plants such as Labrador tea was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{veg} \cdot IngR_{veg} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{Conc_{veg} \cdot IngR_{veg} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	$1.63x10^{-6}$	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	$5.77x10^{-11}$	Calculated for arsenic
$Conc_{veg}$	COPC concentration in Lab Tea (wet-weight) for the Application Case	mg/kg	$2.52x10^{-2}$	Calculated for arsenic
	COPC concentration in Lab Tea (wet-weight) for the Project Alone Case	mg/kg	$1.96x10^{-6}$	Calculated for arsenic
$IngR_{veg}$	Ingestion rate for medicinal plants (Toddler)	g/d	1	AHW (2007)
	Ingestion rate for medicinal plants (Adult)	g/d	3	AHW (2007)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.5 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Berries

The average daily dose due to the ingestion of berries such as blueberries was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{veg} \cdot IngR_{veg} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{Conc_{veg} \cdot IngR_{veg} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-d	$1.36x10^{-6}$	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-d	$1.36x10^{-10}$	Calculated for arsenic
$Conc_{veg}$	COPC concentration in berries (wet-weight) for the Application Case	mg/kg	$4.15x10^{-3}$	Calculated for arsenic
	COPC concentration in berries (wet-weight) for the Project Alone	mg/kg	$6.02x10^{-7}$	Calculated for arsenic
$IngR_{veg}$	Ingestion rate for berries (Toddler)	g/d	5	AHW (2007)
	Ingestion rate for berries (Adult)	g/d	23	AHW (2007)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.6 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Plant Roots

The average daily dose due to the ingestion of plant roots such as cattails was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{veg} \cdot IngR_{veg} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{Conc_{veg} \cdot IngR_{veg} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-d	8.79×10^{-6}	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-d	3.54×10^{-13}	Calculated for arsenic
$Conc_{veg}$	COPC concentration in plant roots (wet-weight) for the Application case	mg/kg	1.35×10^{-1}	Calculated for arsenic
	COPC concentration in plant roots (wet-weight) for the Project Alone	mg/kg	1.20×10^{-8}	Calculated for arsenic
$IngR_{veg}$	Ingestion rate for medicinal plants (Toddler)	g/d	1	AHW (2007)
	Ingestion rate for medicinal plants (Adult)	g/d	3	AHW (2007)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.7 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Wild Game (Large Mammal)

The average daily dose due to the ingestion of large mammals such as moose was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{game} \cdot IngR_{game} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{Conc_{game} \cdot IngR_{game} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	7.61×10^{-6}	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	2.45×10^{-10}	Calculated for arsenic
$Conc_{game}$	COPC concentration in large mammals (wet-weight) for the Application Case	mg/kg	6.13×10^{-3}	Calculated for arsenic
	COPC concentration in large mammals (wet-weight) for the Project Alone	mg/kg	3.11×10^{-7}	Calculated for arsenic
$IngR_{game}$	Ingestion rate for large mammals (Toddler)	g/d	19	AHW (2007)
	Ingestion rate for large mammals (Adult)	g/d	80.5	AHW (2007)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.8 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Wild Game (Small Mammal)

The average daily dose due to the ingestion of small mammals such as snowshoe hare was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{game} \cdot IngR_{game} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{Conc_{game} \cdot IngR_{game} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	1.73×10^{-8}	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	4.45×10^{-13}	Calculated for arsenic
$Conc_{game}$	COPC concentration in small mammals (wet-weight) for the Application case	mg/kg	7.58×10^{-5}	Calculated for arsenic
	COPC concentration in small mammals (wet-weight) for the Project Alone	mg/kg	3.06×10^{-9}	Calculated for arsenic
$IngR_{game}$	Ingestion rate for small mammals (Toddler)	g/d	3.5	AHW (2007)
	Ingestion rate for small mammals (Adult)	g/d	14.8	AHW (2007)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.9 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Game Birds

The average daily dose due to the ingestion of game birds such as ruffed grouse was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{game} \cdot IngR_{game} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{Conc_{game} \cdot IngR_{game} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	3.83×10^{-9}	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	1.92×10^{-14}	Calculated for arsenic
$Conc_{game}$	COPC concentration in game birds (wet-weight) for the Application Case	mg/kg	3.35×10^{-5}	Calculated for arsenic
	COPC concentration in game birds (wet-weight) for the Project Alone	mg/kg	2.63×10^{-10}	Calculated for arsenic
$IngR_{game}$	Ingestion rate for game birds (Toddler)	g/d	1.75	AHW (2007)
	Ingestion rate for game birds (Adult)	g/d	7.42	AHW (2007)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.10 Calculation of Chemicals of Potential Concern Intakes Due to Ingestion of Fish

The average daily dose due to the ingestion of sport fish was calculated as follows:

$$ADD_{Toddler} = \frac{Conc_{fish} \cdot IngR_{fish} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{Conc_{fish} \cdot IngR_{fish} \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	4.06×10^{-5}	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	1.41×10^{-8}	Calculated for arsenic
$Conc_{fish}$	COPC concentration in fish (wet-weight) for the Application case	mg/kg	2.82×10^{-2}	Calculated for arsenic
	COPC concentration in fish (wet-weight) for the Project Alone	mg/kg	2.81×10^{-5}	Calculated for arsenic
$IngR_{fish}$	Ingestion rate for fish (Toddler)	g/d	22	AHW (2007)
	Ingestion rate for fish (Adult)	g/d	51	AHW (2007)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.11 Calculation of COPC Intakes Due to Ingestion of Water from the Rivers and Lakes

The average daily dose due to the ingestion of surface water was calculated as follows:

$$ADD_{Toddler} = \frac{C_w \cdot IngR_w \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot}{BW}$$

$$ADD_{Adult} = \frac{C_w \cdot IngR_w \cdot F \cdot RAF \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
ADD	Average Daily Dose (Toddler)	mg/kg-day	3.24×10^{-5}	Calculated for arsenic
	Average Daily Dose (Adult)	mg/kg-day	3.63×10^{-9}	Calculated for arsenic
C_w	COPC concentration in surface water for the Application Case	mg/kg	8.25×10^{-4}	Calculated for arsenic
	COPC concentration in surface water for the Project Alone	mg/kg	2.47×10^{-7}	Calculated for arsenic
$IngR_w$	Ingestion rate for water(Toddler)	L/d	0.6	Richardson (2013)
	Ingestion rate for water (Adult)	L/d	1.5	Richardson (2013)
F	Fraction of COPC absorbed from site	unitless	1	Assumption
RAF	Relative absorption factor for COPC	unitless	1	US EPA (2005)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

2.12 Calculation of Chemicals of Potential Concern Intakes Due to Dermal Exposure to Surface Water

The average daily dose due to the dermal exposure to surface water was calculated as follows:

2.12.1 Calculation of Permeability Coefficient

The first step is to calculate a chemical-specific steady-state permeability coefficient from water into the stratum corneum. For inorganic chemicals (i.e., arsenic) the coefficient is taken from the US EPA (2007) document for dermal exposure assessment.

Parameter	Definition	Units	Value	Reference
K_p	Permeability coefficient in water	cm/hr	0.001	US EPA (2007)

2.12.2 Calculation of the Lag Time and Effective Diffusion Through the Stratum Corneum

Then the lag time (LT) per event needs to be evaluated, but, the effective diffusion coefficient through the stratum corneum (D_{sc}) has to be determined first.

$$\frac{D_{sc}}{l_{sc}} = 10^{(-2.80 - 0.0056 \times MW)}$$

where:

Parameter	Definition	Units	Value	Reference
D_{sc}	Effective diffusion coefficient through the stratum corneum	cm^2/hr	$5.80x10^{-7}$	Calculated for arsenic
L_{sc}	Apparent thickness of the stratum corneum (default value)	cm	0.001	US EPA (2005)
MW	Molecular Weight	g/mol	78	US EPA (2005)

Lag time calculation equation:

$$LT = \frac{l_{sc}^{\ 2}}{6 \times D_{sc}}$$

where:

Parameter	Definition	Units	Value	Reference
LT	Lag Time	hr	0.287	Calculated for arsenic
D_{sc}	Effective diffusion coefficient through the stratum corneum	cm^2/hr	$5.80x10^{-7}$	Calculated for arsenic
L_{sc}	Apparent thickness of the stratum corneum (default value)	cm	0.001	US EPA (2005)

2.12.3 Calculation of Time to Reach Steady State

Then the time to reach steady state is evaluated as follows:

$$If\ \ B \le 0.6, then\ T = 2.4 \times LT$$

and

$$If\ \ B \succ 0.6, then\ T = 6 \times LT \times \left[b - (b^2 - c^2)\right]$$

where:

Parameter	Definition	Units	Value	Reference
T	Time to reach Steady State	hr	0.69	Calculated for arsenic
LT	Lag Time	hr	0.287	Calculated for arsenic
B	Ratio of the permeability coefficient through the stratum corneum relative to its permeability coefficient across the viable epidermis	unitless	3.40×10^{-3}	US EPA (2005)

The ratio of the permeability coefficient through the stratum corneum relative to its permeability coefficient across the viable epidermis is calculated by:

$$B = \frac{K_p \times (MW)^{0.5}}{2.6}$$

where:

Parameter	Definition	Units	Value	Reference
B	Ratio of the permeability coefficient through the stratum corneum relative to its permeability coefficient across the viable epidermis	unitless	3.40×10^{-3}	Calculated for arsenic
MW	Molecular Weight	g/mol	78	US EPA (2005)
K_p	Permeability coefficient in water	cm/hr	0.001	US EPA (2005)

2.12.4 Calculation of Dermal Dose per Event

All the variables for dermal exposure were calculated to evaluate the dermal absorbed dose per event (DA_{event}). The equation to calculate DA_{event}, is conditional for organic compounds:

$$If\ t_{event} \le T, then\ DA_{event} = 2 \times FA \times K_p \times C_w \times \sqrt{\frac{6LT \times t_{event}}{\pi}}$$

or

$$If\ t_{event} \succ T, then: DA_{event} = FA \times K_p \times C_w \times \left[\frac{t_{event}}{1+B} + 2LT\left(\frac{1+3B+3B^2}{1+B^2}\right)\right]$$

For inorganic compounds it is expressed as:

$$DA_{event} = K_p \times \frac{C_w}{1000} \times t_{event}$$

where:

Parameter	Definition	Units	Value	Reference
t_{event}	Event duration	hr	1	assumption
DA_{event}	Dermal absorbed dose per event	mg/cm^2-event	8.25x10^{-10}	Calculated for arsenic
FA	Fraction absorbed in water	unitless	1	US EPA (2005)
K_p	Permeability coefficient in water	cm/hr	0.001	US EPA (2005)
C_w	COPC concentration in surface water	mg/L	8.25x10^{-4}	Calculated for arsenic
1000	Conversion factor from mg/L to mg/cm^3	unitless	1,000	n/a
LT	Lag Time	hr	0.287	Calculated for arsenic
B	Ratio of the permeability coefficient through the stratum corneum relative to its permeability coefficient across the viable epidermis	unitless	3.40x10^{-3}	US EPA (2005)

Note:
n/a = Not applicable.

The DA_{event} was incorporated into the equation to calculate the daily absorbed dose per kilograms of body weight.

$$DAD_{Toddler} = \frac{DA_{event} \cdot F \cdot SA \cdot EV \cdot D2 \cdot D3 \cdot}{BW}$$

$$DAD_{Adult} = \frac{DA_{event} \cdot F \cdot SA \cdot EV \cdot D2 \cdot D3 \cdot D4}{LE \cdot BW}$$

where:

Parameter	Definition	Units	Value	Reference
DAD	Estimated daily intake (Toddler)	mg/kg-day	3.54x10^{-7}	Calculated for arsenic
	Estimated daily intake (Adult)	mg/kg-day	4.59x10^{-11}	Calculated for arsenic
DA_{event}	Dermal absorbed dose per event for the Application case	mg/cm^2-event	8.25x10^{-10}	Calculated for arsenic
	Dermal absorbed dose per event for the Project Alone	mg/cm^2-event	2.47x10^{-13}	Calculated for arsenic
EV	Event frequency	event/d	1	Assumption
SA	Skin surface area for swimming (toddler)	cm^2	6,557	Richardson (2013)
	Skin surface area for swimming (adult)	cm^2	18,990	Richardson (2013)
D2	Days per week exposed / 7 days	unitless	1	Assumption
D3	Weeks per year exposed / 52 weeks	unitless	1	Assumption
D4	Total years Exposed	yr	60	Assumption
LE	Life Expectancy (Adult)	yr	80	Assumption
BW	Body weight (Toddler)	kg	15.3	Richardson (2013)
	Body weight (Adult)	kg	76.5	Richardson (2013)

3.0 ESTIMATES OF HEALTH RISKS

After estimated daily intakes for each COPC were calculated for each relevant exposure pathway, non-cancer and cancer risks were determined using equations and assumptions provided by Health Canada (2010).

Noncarcinogenic risks were evaluated by the calculation of a Hazard Quotient, which integrated the estimated daily intakes that were determined for toddlers with toxicological reference values for each COPC. Carcinogenic risks were assessed by the Incremental Lifetime Cancer Risks based on the estimated daily intakes that were determined for adults and applying the unit risk factors for each COPC.

Hazard Quotients and Incremental Lifetime Cancer Risks were calculated for Baseline, Project and Planned Development Case scenarios at each receptor location.

3.1 Systemic Toxicants and Calculation of the Hazard Quotient

$$Hazard\ Quotient = \frac{Estimated\ Daily\ Intake}{Toxicological\ Reference\ Value}$$

Therefore, the calculation for Hazard Quotient for toddlers from soil ingestion is:

$$Hazard\ Quotient = \frac{3.17 \times 10^{-6}\ mg/kg/day}{3.0 \times 10^{-4}\ mg/kg/day} = 1.06\,x10^{-2}$$

3.2 Carcinogens and Calculation of the Incremental Lifetime Cancer Risk

$$Incremental\ Lifetime\ Cancer\ Risk = Estimated\ Daily\ Intake \times Unit\ Risk$$

Therefore, the calculation of Incremental Lifetime Cancer Risks for adult from soil ingestion:

$$Incremental\ Lifetime\ Cancer\ Risk = 8.08x10^{-14}\ mg/kg/day \times 1.8\ (mg/kg/day)^{-1} = 1.45\ x\ 10^{-13}$$

4.0 REFERENCES

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Appendix M6

Hazard Quotients

Appendix M6.1

Multimedia Exposure Hazard

Table M6.1-1: Multimedia Exposure Hazard Quotient for Aluminium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.0E-03	3.7E-03	1.2E-01	1.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR2	Baseline	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR3	Baseline	2.0E-03	3.7E-03	1.2E-01	5.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	5.7E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR4	Baseline	2.0E-03	3.7E-03	1.2E-01	2.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR5	Baseline	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR6	Baseline	2.0E-03	3.7E-03	1.2E-01	8.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	8.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR7	Baseline	2.0E-03	3.7E-03	1.2E-01	1.7E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR8	Baseline	2.0E-03	3.7E-03	1.2E-01	2.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR9	Baseline	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR10	Baseline	2.0E-03	3.7E-03	1.2E-01	1.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR11	Baseline	2.0E-03	3.7E-03	1.2E-01	1.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR12	Baseline	2.0E-03	3.7E-03	1.2E-01	3.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	5.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR13	Baseline	2.0E-03	3.7E-03	1.2E-01	2.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR14	Baseline	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR15	Baseline	2.0E-03	3.7E-03	1.2E-01	2.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.0E-03	3.7E-03	1.2E-01	7.1E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	7.4E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR17	Baseline	2.0E-03	3.7E-03	1.2E-01	4.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	5.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR18	Baseline	2.0E-03	3.7E-03	1.2E-01	1.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR19	Baseline	2.0E-03	3.7E-03	1.2E-01	2.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR20	Baseline	2.0E-03	3.7E-03	1.2E-01	2.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR21	Baseline	2.0E-03	3.7E-03	1.2E-01	1.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR22	Baseline	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR23	Baseline	2.0E-03	3.7E-03	1.2E-01	3.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	5.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR24	Baseline	2.0E-03	3.7E-03	1.2E-01	3.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	5.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR25	Baseline	2.0E-03	3.7E-03	1.2E-01	6.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	7.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR26	Baseline	2.0E-03	3.7E-03	1.2E-01	5.2E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	6.1E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR27	Baseline	2.0E-03	3.7E-03	1.2E-01	4.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	9.2E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR28	Baseline	2.0E-03	3.7E-03	1.2E-01	3.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	6.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR29	Baseline	2.0E-03	3.7E-03	1.2E-01	3.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.8E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR30	Baseline	2.0E-03	3.7E-03	1.2E-01	6.6E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	6.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR31	Baseline	2.0E-03	3.7E-03	1.2E-01	1.0E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.0E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.9E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.0E-03	3.7E-03	1.2E-01	7.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	7.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.5E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR33	Baseline	2.0E-03	3.7E-03	1.2E-01	5.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	5.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	9.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR34	Baseline	2.0E-03	3.7E-03	1.2E-01	7.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	7.2E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR35	Baseline	2.0E-03	3.7E-03	1.2E-01	6.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	6.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.4E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR36	Baseline	2.0E-03	3.7E-03	1.2E-01	3.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	6.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR37	Baseline	2.0E-03	3.7E-03	1.2E-01	9.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	9.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR38	Baseline	2.0E-03	3.7E-03	1.2E-01	2.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.2E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR39	Baseline	2.0E-03	3.7E-03	1.2E-01	5.1E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	5.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR40	Baseline	2.0E-03	3.7E-03	1.2E-01	4.6E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR41	Baseline	2.0E-03	3.7E-03	1.2E-01	5.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	6.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR42	Baseline	2.0E-03	3.7E-03	1.2E-01	7.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	7.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR43	Baseline	2.0E-03	3.7E-03	1.2E-01	2.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR44	Baseline	2.0E-03	3.7E-03	1.2E-01	3.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR45	Baseline	2.0E-03	3.7E-03	1.2E-01	2.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.6E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	5.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR46	Baseline	2.0E-03	3.7E-03	1.2E-01	5.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	6.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR47	Baseline	2.0E-03	3.7E-03	1.2E-01	7.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	7.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR48	Baseline	2.0E-03	3.7E-03	1.2E-01	4.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
	Application	2.0E-03	3.7E-03	1.2E-01	4.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR49	Baseline	2.0E-03	3.7E-03	1.2E-01	5.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	5.6E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR50	Baseline	2.0E-03	3.7E-03	1.2E-01	7.7E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	8.1E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR51	Baseline	2.0E-03	3.7E-03	1.2E-01	4.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	9.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR52	Baseline	2.0E-03	3.7E-03	1.2E-01	1.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR53	Baseline	2.0E-03	3.7E-03	1.2E-01	7.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	8.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR54	Baseline	2.0E-03	3.7E-03	1.2E-01	1.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR55	Baseline	2.0E-03	3.7E-03	1.2E-01	8.7E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	9.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR56	Baseline	2.0E-03	3.7E-03	1.2E-01	1.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR57	Baseline	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR58	Baseline	2.0E-03	3.7E-03	1.2E-01	3.2E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	7.1E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR59	Baseline	2.0E-03	3.7E-03	1.2E-01	3.2E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.1E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	7.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR60	Baseline	2.0E-03	3.7E-03	1.2E-01	3.6E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	8.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR61	Baseline	2.0E-03	3.7E-03	1.2E-01	1.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR62	Baseline	2.0E-03	3.7E-03	1.2E-01	2.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR63	Baseline	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.0E-03	3.7E-03	1.2E-01	1.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR65	Baseline	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR66	Baseline	2.0E-03	3.7E-03	1.2E-01	4.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	9.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR67	Baseline	2.0E-03	3.7E-03	1.2E-01	4.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	5.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR68	Baseline	2.0E-03	3.7E-03	1.2E-01	6.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	6.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR69	Baseline	2.0E-03	3.7E-03	1.2E-01	3.7E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	3.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	9.0E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR70	Baseline	2.0E-03	3.7E-03	1.2E-01	4.4E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.6E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	1.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR71	Baseline	2.0E-03	3.7E-03	1.2E-01	4.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	5.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR72	Baseline	2.0E-03	3.7E-03	1.2E-01	2.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.9E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	5.7E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR73	Baseline	2.0E-03	3.7E-03	1.2E-01	1.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR74	Baseline	2.0E-03	3.7E-03	1.2E-01	2.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR75	Baseline	2.0E-03	3.7E-03	1.2E-01	2.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.4E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR76	Baseline	2.0E-03	3.7E-03	1.2E-01	2.1E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	2.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	3.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR77	Baseline	2.0E-03	3.7E-03	1.2E-01	1.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR78	Baseline	2.0E-03	3.7E-03	1.2E-01	1.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR79	Baseline	2.0E-03	3.7E-03	1.2E-01	1.8E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.9E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.0E-03	3.7E-03	1.2E-01	1.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.2E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.3E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR81	Baseline	2.0E-03	3.7E-03	1.2E-01	1.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	1.0E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.5E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR82	Baseline	2.0E-03	3.7E-03	1.2E-01	9.3E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	9.6E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.7E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
HHR83	Baseline	2.0E-03	3.7E-03	1.2E-01	9.5E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	9.8E-05	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	2.6E-04	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
MPOI	Baseline	2.0E-03	3.7E-03	1.2E-01	4.6E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	Application	2.0E-03	3.7E-03	1.2E-01	4.6E-03	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.4E-03	1.5E-01
	PDC	2.0E-03	3.7E-03	1.2E-01	4.1E-02	1.1E-02	1.2E-04	3.8E-03	2.2E-03	1.6E-03	2.1E-03	5.5E-06	2.0E-06	1.6E-03	1.9E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-2: Multimedia Exposure Hazard Quotient for Arsenic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	1.1E-02	5.8E-04	9.5E-02	5.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	6.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR2	Baseline	1.1E-02	5.8E-04	9.5E-02	4.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	6.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR3	Baseline	1.1E-02	5.8E-04	9.5E-02	1.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR4	Baseline	1.1E-02	5.8E-04	9.5E-02	5.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR5	Baseline	1.1E-02	5.8E-04	9.5E-02	7.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	7.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	8.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR6	Baseline	1.1E-02	5.8E-04	9.5E-02	1.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR7	Baseline	1.1E-02	5.8E-04	9.5E-02	5.8E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	6.0E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	8.7E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR8	Baseline	1.1E-02	5.8E-04	9.5E-02	3.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR9	Baseline	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	6.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR10	Baseline	1.1E-02	5.8E-04	9.5E-02	4.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR11	Baseline	1.1E-02	5.8E-04	9.5E-02	2.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR12	Baseline	1.1E-02	5.8E-04	9.5E-02	5.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	8.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR13	Baseline	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR14	Baseline	1.1E-02	5.8E-04	9.5E-02	6.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	6.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	8.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR15	Baseline	1.1E-02	5.8E-04	9.5E-02	7.5E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	8.3E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR17	Baseline	1.1E-02	5.8E-04	9.5E-02	9.9E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR18	Baseline	1.1E-02	5.8E-04	9.5E-02	2.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR19	Baseline	1.1E-02	5.8E-04	9.5E-02	2.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR20	Baseline	1.1E-02	5.8E-04	9.5E-02	3.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR21	Baseline	1.1E-02	5.8E-04	9.5E-02	3.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR22	Baseline	1.1E-02	5.8E-04	9.5E-02	4.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR23	Baseline	1.1E-02	5.8E-04	9.5E-02	5.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	8.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR24	Baseline	1.1E-02	5.8E-04	9.5E-02	5.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	8.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR25	Baseline	1.1E-02	5.8E-04	9.5E-02	3.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR26	Baseline	1.1E-02	5.8E-04	9.5E-02	1.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR27	Baseline	1.1E-02	5.8E-04	9.5E-02	1.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR28	Baseline	1.1E-02	5.8E-04	9.5E-02	1.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR29	Baseline	1.1E-02	5.8E-04	9.5E-02	4.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.2E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.4E-01
HHR30	Baseline	1.1E-02	5.8E-04	9.5E-02	3.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR31	Baseline	1.1E-02	5.8E-04	9.5E-02	1.0E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.0E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.1E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.4E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	1.1E-02	5.8E-04	9.5E-02	8.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	8.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.9E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
HHR33	Baseline	1.1E-02	5.8E-04	9.5E-02	7.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	7.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.3E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
HHR34	Baseline	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR35	Baseline	1.1E-02	5.8E-04	9.5E-02	7.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	7.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.7E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
HHR36	Baseline	1.1E-02	5.8E-04	9.5E-02	5.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	9.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR37	Baseline	1.1E-02	5.8E-04	9.5E-02	5.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR38	Baseline	1.1E-02	5.8E-04	9.5E-02	3.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.5E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
HHR39	Baseline	1.1E-02	5.8E-04	9.5E-02	1.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR40	Baseline	1.1E-02	5.8E-04	9.5E-02	9.9E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR41	Baseline	1.1E-02	5.8E-04	9.5E-02	1.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR42	Baseline	1.1E-02	5.8E-04	9.5E-02	1.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR43	Baseline	1.1E-02	5.8E-04	9.5E-02	5.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	5.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR44	Baseline	1.1E-02	5.8E-04	9.5E-02	6.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	6.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	8.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR45	Baseline	1.1E-02	5.8E-04	9.5E-02	1.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR46	Baseline	1.1E-02	5.8E-04	9.5E-02	3.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR47	Baseline	1.1E-02	5.8E-04	9.5E-02	4.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.1E-02	5.8E-04	9.5E-02	9.7E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR49	Baseline	1.1E-02	5.8E-04	9.5E-02	3.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR50	Baseline	1.1E-02	5.8E-04	9.5E-02	4.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR51	Baseline	1.1E-02	5.8E-04	9.5E-02	2.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	3.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR52	Baseline	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR53	Baseline	1.1E-02	5.8E-04	9.5E-02	6.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	6.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR54	Baseline	1.1E-02	5.8E-04	9.5E-02	4.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR55	Baseline	1.1E-02	5.8E-04	9.5E-02	4.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR56	Baseline	1.1E-02	5.8E-04	9.5E-02	9.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.0E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.1E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
HHR57	Baseline	1.1E-02	5.8E-04	9.5E-02	6.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	6.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR58	Baseline	1.1E-02	5.8E-04	9.5E-02	1.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR59	Baseline	1.1E-02	5.8E-04	9.5E-02	1.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR60	Baseline	1.1E-02	5.8E-04	9.5E-02	1.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR61	Baseline	1.1E-02	5.8E-04	9.5E-02	1.1E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.1E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.2E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01
HHR62	Baseline	1.1E-02	5.8E-04	9.5E-02	2.4E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.4E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.4E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.4E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.5E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.4E-01
HHR63	Baseline	1.1E-02	5.8E-04	9.5E-02	9.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	9.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.1E-02	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.3E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	1.1E-02	5.8E-04	9.5E-02	1.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR65	Baseline	1.1E-02	5.8E-04	9.5E-02	6.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	6.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR66	Baseline	1.1E-02	5.8E-04	9.5E-02	1.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR67	Baseline	1.1E-02	5.8E-04	9.5E-02	1.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR68	Baseline	1.1E-02	5.8E-04	9.5E-02	2.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	3.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR69	Baseline	1.1E-02	5.8E-04	9.5E-02	8.9E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	9.3E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR70	Baseline	1.1E-02	5.8E-04	9.5E-02	9.9E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR71	Baseline	1.1E-02	5.8E-04	9.5E-02	3.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.6E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR72	Baseline	1.1E-02	5.8E-04	9.5E-02	8.3E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	9.1E-04	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	1.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR73	Baseline	1.1E-02	5.8E-04	9.5E-02	4.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.7E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR74	Baseline	1.1E-02	5.8E-04	9.5E-02	2.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR75	Baseline	1.1E-02	5.8E-04	9.5E-02	4.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	7.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR76	Baseline	1.1E-02	5.8E-04	9.5E-02	4.2E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	4.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	6.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR77	Baseline	1.1E-02	5.8E-04	9.5E-02	3.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	3.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.5E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR78	Baseline	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	2.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR79	Baseline	1.1E-02	5.8E-04	9.5E-02	2.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.8E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	1.1E-02	5.8E-04	9.5E-02	2.3E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.4E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	6.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR81	Baseline	1.1E-02	5.8E-04	9.5E-02	2.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.1E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	3.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR82	Baseline	1.1E-02	5.8E-04	9.5E-02	2.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	4.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
HHR83	Baseline	1.1E-02	5.8E-04	9.5E-02	2.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	2.0E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	3.9E-03	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	4.2E-01
MPOI	Baseline	1.1E-02	5.8E-04	9.5E-02	1.1E-01	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	5.2E-01
	Application	1.1E-02	5.8E-04	9.5E-02	1.1E-01	1.1E-01	1.2E-03	5.4E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	5.2E-01
	PDC	1.1E-02	5.8E-04	9.5E-02	5.0E-01	1.1E-01	1.2E-03	5.5E-03	4.5E-03	2.9E-02	2.5E-02	5.8E-05	1.3E-05	1.4E-01	9.2E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-3: Multimedia Exposure Hazard Quotient for Barium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.7E-04	4.9E-05	3.2E-02	1.0E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.0E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR2	Baseline	2.7E-04	4.9E-05	3.2E-02	1.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR3	Baseline	2.7E-04	4.9E-05	3.2E-02	2.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR4	Baseline	2.7E-04	4.9E-05	3.2E-02	1.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.9E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR5	Baseline	2.7E-04	4.9E-05	3.2E-02	1.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR6	Baseline	2.7E-04	4.9E-05	3.2E-02	4.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR7	Baseline	2.7E-04	4.9E-05	3.2E-02	9.4E-05	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	9.5E-05	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR8	Baseline	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR9	Baseline	2.7E-04	4.9E-05	3.2E-02	1.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR10	Baseline	2.7E-04	4.9E-05	3.2E-02	5.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	5.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	5.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR11	Baseline	2.7E-04	4.9E-05	3.2E-02	1.0E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.0E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR12	Baseline	2.7E-04	4.9E-05	3.2E-02	2.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR13	Baseline	2.7E-04	4.9E-05	3.2E-02	1.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.9E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR14	Baseline	2.7E-04	4.9E-05	3.2E-02	8.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	8.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	9.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR15	Baseline	2.7E-04	4.9E-05	3.2E-02	1.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.7E-04	4.9E-05	3.2E-02	4.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	5.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR17	Baseline	2.7E-04	4.9E-05	3.2E-02	2.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR18	Baseline	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR19	Baseline	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR20	Baseline	2.7E-04	4.9E-05	3.2E-02	1.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR21	Baseline	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR22	Baseline	2.7E-04	4.9E-05	3.2E-02	7.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	7.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	8.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR23	Baseline	2.7E-04	4.9E-05	3.2E-02	2.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR24	Baseline	2.7E-04	4.9E-05	3.2E-02	2.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR25	Baseline	2.7E-04	4.9E-05	3.2E-02	4.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR26	Baseline	2.7E-04	4.9E-05	3.2E-02	2.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	3.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	3.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR27	Baseline	2.7E-04	4.9E-05	3.2E-02	2.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR28	Baseline	2.7E-04	4.9E-05	3.2E-02	1.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR29	Baseline	2.7E-04	4.9E-05	3.2E-02	2.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.9E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR30	Baseline	2.7E-04	4.9E-05	3.2E-02	4.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	6.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR31	Baseline	2.7E-04	4.9E-05	3.2E-02	7.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.9E-02
	Application	2.7E-04	4.9E-05	3.2E-02	7.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.9E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	7.2E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.9E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.7E-04	4.9E-05	3.2E-02	5.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.7E-02
	Application	2.7E-04	4.9E-05	3.2E-02	5.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.7E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	5.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.7E-02
HHR33	Baseline	2.7E-04	4.9E-05	3.2E-02	4.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.6E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.6E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.6E-02
HHR34	Baseline	2.7E-04	4.9E-05	3.2E-02	4.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR35	Baseline	2.7E-04	4.9E-05	3.2E-02	4.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.6E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.6E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.6E-02
HHR36	Baseline	2.7E-04	4.9E-05	3.2E-02	2.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR37	Baseline	2.7E-04	4.9E-05	3.2E-02	6.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	6.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR38	Baseline	2.7E-04	4.9E-05	3.2E-02	1.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.7E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR39	Baseline	2.7E-04	4.9E-05	3.2E-02	2.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR40	Baseline	2.7E-04	4.9E-05	3.2E-02	2.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR41	Baseline	2.7E-04	4.9E-05	3.2E-02	2.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	3.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR42	Baseline	2.7E-04	4.9E-05	3.2E-02	4.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	5.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR43	Baseline	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR44	Baseline	2.7E-04	4.9E-05	3.2E-02	2.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR45	Baseline	2.7E-04	4.9E-05	3.2E-02	1.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR46	Baseline	2.7E-04	4.9E-05	3.2E-02	3.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	3.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR47	Baseline	2.7E-04	4.9E-05	3.2E-02	3.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	3.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.7E-04	4.9E-05	3.2E-02	2.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR49	Baseline	2.7E-04	4.9E-05	3.2E-02	2.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	3.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR50	Baseline	2.7E-04	4.9E-05	3.2E-02	4.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR51	Baseline	2.7E-04	4.9E-05	3.2E-02	2.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	3.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR52	Baseline	2.7E-04	4.9E-05	3.2E-02	9.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	9.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.0E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR53	Baseline	2.7E-04	4.9E-05	3.2E-02	4.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	5.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR54	Baseline	2.7E-04	4.9E-05	3.2E-02	9.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	9.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR55	Baseline	2.7E-04	4.9E-05	3.2E-02	4.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	4.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	5.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR56	Baseline	2.7E-04	4.9E-05	3.2E-02	8.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	8.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	9.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR57	Baseline	2.7E-04	4.9E-05	3.2E-02	7.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	7.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	8.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR58	Baseline	2.7E-04	4.9E-05	3.2E-02	2.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR59	Baseline	2.7E-04	4.9E-05	3.2E-02	2.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR60	Baseline	2.7E-04	4.9E-05	3.2E-02	2.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR61	Baseline	2.7E-04	4.9E-05	3.2E-02	9.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	9.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR62	Baseline	2.7E-04	4.9E-05	3.2E-02	1.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.8E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.9E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR63	Baseline	2.7E-04	4.9E-05	3.2E-02	9.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	9.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.1E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.7E-04	4.9E-05	3.2E-02	5.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	5.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	5.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR65	Baseline	2.7E-04	4.9E-05	3.2E-02	9.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	9.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.0E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR66	Baseline	2.7E-04	4.9E-05	3.2E-02	2.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR67	Baseline	2.7E-04	4.9E-05	3.2E-02	3.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	3.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	3.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR68	Baseline	2.7E-04	4.9E-05	3.2E-02	3.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	3.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	4.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR69	Baseline	2.7E-04	4.9E-05	3.2E-02	1.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR70	Baseline	2.7E-04	4.9E-05	3.2E-02	2.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR71	Baseline	2.7E-04	4.9E-05	3.2E-02	2.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	Application	2.7E-04	4.9E-05	3.2E-02	2.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	2.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.4E-02
HHR72	Baseline	2.7E-04	4.9E-05	3.2E-02	1.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.5E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR73	Baseline	2.7E-04	4.9E-05	3.2E-02	6.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	6.7E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	7.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR74	Baseline	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR75	Baseline	2.7E-04	4.9E-05	3.2E-02	1.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR76	Baseline	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.5E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.6E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR77	Baseline	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.4E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
HHR78	Baseline	2.7E-04	4.9E-05	3.2E-02	8.1E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	8.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	8.6E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR79	Baseline	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	Application	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	1.3E-03	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.3E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.7E-04	4.9E-05	3.2E-02	8.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	8.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	8.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR81	Baseline	2.7E-04	4.9E-05	3.2E-02	6.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	6.9E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	7.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR82	Baseline	2.7E-04	4.9E-05	3.2E-02	6.2E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	6.3E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	6.8E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
HHR83	Baseline	2.7E-04	4.9E-05	3.2E-02	6.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	Application	2.7E-04	4.9E-05	3.2E-02	6.4E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
	PDC	2.7E-04	4.9E-05	3.2E-02	7.0E-04	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	8.2E-02
MPOI	Baseline	2.7E-04	4.9E-05	3.2E-02	2.0E-02	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	1.0E-01
	Application	2.7E-04	4.9E-05	3.2E-02	2.0E-02	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	1.0E-01
	PDC	2.7E-04	4.9E-05	3.2E-02	2.0E-02	9.9E-03	1.1E-04	1.4E-02	4.1E-03	5.8E-04	3.0E-04	5.5E-07	1.2E-07	2.0E-02	1.0E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-4: Multimedia Exposure Hazard Quotient for Cadmium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.5E-02
HHR2	Baseline	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.7E-02
HHR3	Baseline	2.7E-04	5.0E-06	8.1E-03	2.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR4	Baseline	2.7E-04	5.0E-06	8.1E-03	2.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.3E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.3E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.4E-02
HHR5	Baseline	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.7E-02
HHR6	Baseline	2.7E-04	5.0E-06	8.1E-03	4.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	4.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR7	Baseline	2.7E-04	5.0E-06	8.1E-03	8.6E-04	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	8.7E-04	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.4E-02
HHR8	Baseline	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
HHR9	Baseline	2.7E-04	5.0E-06	8.1E-03	1.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.7E-02
HHR10	Baseline	2.7E-04	5.0E-06	8.1E-03	4.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR11	Baseline	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.5E-02
HHR12	Baseline	2.7E-04	5.0E-06	8.1E-03	2.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.7E-02
HHR13	Baseline	2.7E-04	5.0E-06	8.1E-03	2.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.3E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.3E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.4E-02
HHR14	Baseline	2.7E-04	5.0E-06	8.1E-03	9.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
	Application	2.7E-04	5.0E-06	8.1E-03	9.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
HHR15	Baseline	2.7E-04	5.0E-06	8.1E-03	1.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.7E-04	5.0E-06	8.1E-03	4.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.9E-02
HHR17	Baseline	2.7E-04	5.0E-06	8.1E-03	2.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR18	Baseline	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
HHR19	Baseline	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
HHR20	Baseline	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.1E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.1E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.2E-02
HHR21	Baseline	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
HHR22	Baseline	2.7E-04	5.0E-06	8.1E-03	8.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	Application	2.7E-04	5.0E-06	8.1E-03	8.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	9.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
HHR23	Baseline	2.7E-04	5.0E-06	8.1E-03	2.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.9E-02
HHR24	Baseline	2.7E-04	5.0E-06	8.1E-03	2.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.7E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.7E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.8E-02
HHR25	Baseline	2.7E-04	5.0E-06	8.1E-03	4.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR26	Baseline	2.7E-04	5.0E-06	8.1E-03	3.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	3.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	3.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR27	Baseline	2.7E-04	5.0E-06	8.1E-03	2.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR28	Baseline	2.7E-04	5.0E-06	8.1E-03	1.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
HHR29	Baseline	2.7E-04	5.0E-06	8.1E-03	3.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	8.3E-02
	Application	2.7E-04	5.0E-06	8.1E-03	3.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	8.3E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	3.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	8.5E-02
HHR30	Baseline	2.7E-04	5.0E-06	8.1E-03	4.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	6.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
HHR31	Baseline	2.7E-04	5.0E-06	8.1E-03	7.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.3E-01
	Application	2.7E-04	5.0E-06	8.1E-03	7.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.3E-01
	PDC	2.7E-04	5.0E-06	8.1E-03	7.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.3E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.7E-04	5.0E-06	8.1E-03	6.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.1E-01
	Application	2.7E-04	5.0E-06	8.1E-03	6.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.1E-01
	PDC	2.7E-04	5.0E-06	8.1E-03	6.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.1E-01
HHR33	Baseline	2.7E-04	5.0E-06	8.1E-03	4.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.0E-01
	Application	2.7E-04	5.0E-06	8.1E-03	4.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.0E-01
	PDC	2.7E-04	5.0E-06	8.1E-03	4.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.0E-01
HHR34	Baseline	2.7E-04	5.0E-06	8.1E-03	4.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR35	Baseline	2.7E-04	5.0E-06	8.1E-03	5.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.1E-01
	Application	2.7E-04	5.0E-06	8.1E-03	5.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.1E-01
	PDC	2.7E-04	5.0E-06	8.1E-03	5.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	1.1E-01
HHR36	Baseline	2.7E-04	5.0E-06	8.1E-03	2.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	8.1E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	8.1E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.9E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	8.2E-02
HHR37	Baseline	2.7E-04	5.0E-06	8.1E-03	7.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	Application	2.7E-04	5.0E-06	8.1E-03	7.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.9E-02	6.4E-04	7.0E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.4E-02	7.2E-02
HHR38	Baseline	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.2E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.2E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.3E-02
HHR39	Baseline	2.7E-04	5.0E-06	8.1E-03	2.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR40	Baseline	2.7E-04	5.0E-06	8.1E-03	2.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR41	Baseline	2.7E-04	5.0E-06	8.1E-03	2.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	3.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
HHR42	Baseline	2.7E-04	5.0E-06	8.1E-03	5.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	5.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.9E-02
HHR43	Baseline	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.1E-02
HHR44	Baseline	2.7E-04	5.0E-06	8.1E-03	2.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.9E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.9E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	8.0E-02
HHR45	Baseline	2.7E-04	5.0E-06	8.1E-03	1.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
HHR46	Baseline	2.7E-04	5.0E-06	8.1E-03	3.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	3.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	4.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
HHR47	Baseline	2.7E-04	5.0E-06	8.1E-03	4.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	4.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.7E-04	5.0E-06	8.1E-03	2.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR49	Baseline	2.7E-04	5.0E-06	8.1E-03	2.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	3.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	3.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
HHR50	Baseline	2.7E-04	5.0E-06	8.1E-03	4.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR51	Baseline	2.7E-04	5.0E-06	8.1E-03	2.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	3.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR52	Baseline	2.7E-04	5.0E-06	8.1E-03	8.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	Application	2.7E-04	5.0E-06	8.1E-03	8.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	9.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
HHR53	Baseline	2.7E-04	5.0E-06	8.1E-03	5.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	5.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	6.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.9E-02
HHR54	Baseline	2.7E-04	5.0E-06	8.1E-03	9.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	Application	2.7E-04	5.0E-06	8.1E-03	9.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
HHR55	Baseline	2.7E-04	5.0E-06	8.1E-03	4.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR56	Baseline	2.7E-04	5.0E-06	8.1E-03	8.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	Application	2.7E-04	5.0E-06	8.1E-03	8.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	9.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
HHR57	Baseline	2.7E-04	5.0E-06	8.1E-03	7.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	Application	2.7E-04	5.0E-06	8.1E-03	7.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	8.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
HHR58	Baseline	2.7E-04	5.0E-06	8.1E-03	1.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
HHR59	Baseline	2.7E-04	5.0E-06	8.1E-03	2.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
HHR60	Baseline	2.7E-04	5.0E-06	8.1E-03	2.4E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR61	Baseline	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.5E-02
HHR62	Baseline	2.7E-04	5.0E-06	8.1E-03	2.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.5E-02
HHR63	Baseline	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.5E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.7E-04	5.0E-06	8.1E-03	4.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	5.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR65	Baseline	2.7E-04	5.0E-06	8.1E-03	1.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.0E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.1E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.4E-02
HHR66	Baseline	2.7E-04	5.0E-06	8.1E-03	2.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR67	Baseline	2.7E-04	5.0E-06	8.1E-03	3.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	Application	2.7E-04	5.0E-06	8.1E-03	3.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	3.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
HHR68	Baseline	2.7E-04	5.0E-06	8.1E-03	4.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
	Application	2.7E-04	5.0E-06	8.1E-03	4.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.7E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	4.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.8E-02
HHR69	Baseline	2.7E-04	5.0E-06	8.1E-03	1.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
HHR70	Baseline	2.7E-04	5.0E-06	8.1E-03	2.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.6E-02
HHR71	Baseline	2.7E-04	5.0E-06	8.1E-03	2.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	2.2E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	2.3E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.6E-02
HHR72	Baseline	2.7E-04	5.0E-06	8.1E-03	1.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	5.5E-02
HHR73	Baseline	2.7E-04	5.0E-06	8.1E-03	7.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	Application	2.7E-04	5.0E-06	8.1E-03	7.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	8.0E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
HHR74	Baseline	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
HHR75	Baseline	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.1E-02
HHR76	Baseline	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.7E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.0E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.8E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	7.1E-02
HHR77	Baseline	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.8E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.8E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.6E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.9E-02
HHR78	Baseline	2.7E-04	5.0E-06	8.1E-03	7.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	Application	2.7E-04	5.0E-06	8.1E-03	7.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	8.3E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
HHR79	Baseline	2.7E-04	5.0E-06	8.1E-03	1.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.7E-02
	Application	2.7E-04	5.0E-06	8.1E-03	1.4E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.7E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	1.5E-02	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.7E-04	5.0E-06	8.1E-03	9.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	Application	2.7E-04	5.0E-06	8.1E-03	9.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.2E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	9.8E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.3E-02
HHR81	Baseline	2.7E-04	5.0E-06	8.1E-03	7.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	Application	2.7E-04	5.0E-06	8.1E-03	7.6E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	8.2E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
HHR82	Baseline	2.7E-04	5.0E-06	8.1E-03	6.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	Application	2.7E-04	5.0E-06	8.1E-03	6.9E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	7.5E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
HHR83	Baseline	2.7E-04	5.0E-06	8.1E-03	7.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	Application	2.7E-04	5.0E-06	8.1E-03	7.1E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.0E-02
	PDC	2.7E-04	5.0E-06	8.1E-03	7.7E-03	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	6.1E-02
MPOI	Baseline	2.7E-04	5.0E-06	8.1E-03	1.5E-01	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	2.0E-01
	Application	2.7E-04	5.0E-06	8.1E-03	1.5E-01	6.4E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	2.0E-01
	PDC	2.7E-04	5.0E-06	8.1E-03	1.5E-01	6.3E-04	6.9E-06	3.3E-04	5.4E-04	9.6E-05	1.7E-05	4.9E-08	2.1E-08	4.3E-02	2.0E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-5: Multimedia Exposure Hazard Quotient for Chromium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR2	Baseline	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR3	Baseline	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR4	Baseline	2.8E-03	5.2E-04	8.4E-03	5.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	5.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	5.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR5	Baseline	2.8E-03	5.2E-04	8.4E-03	6.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	6.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	6.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR6	Baseline	2.8E-03	5.2E-04	8.4E-03	3.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR7	Baseline	2.8E-03	5.2E-04	8.4E-03	9.5E-05	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	9.6E-05	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR8	Baseline	2.8E-03	5.2E-04	8.4E-03	3.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR9	Baseline	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR10	Baseline	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR11	Baseline	2.8E-03	5.2E-04	8.4E-03	3.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR12	Baseline	2.8E-03	5.2E-04	8.4E-03	8.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	8.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	8.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR13	Baseline	2.8E-03	5.2E-04	8.4E-03	4.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR14	Baseline	2.8E-03	5.2E-04	8.4E-03	4.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	5.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR15	Baseline	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR17	Baseline	2.8E-03	5.2E-04	8.4E-03	1.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR18	Baseline	2.8E-03	5.2E-04	8.4E-03	3.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR19	Baseline	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR20	Baseline	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR21	Baseline	2.8E-03	5.2E-04	8.4E-03	3.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR22	Baseline	2.8E-03	5.2E-04	8.4E-03	3.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR23	Baseline	2.8E-03	5.2E-04	8.4E-03	1.1E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.1E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.2E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR24	Baseline	2.8E-03	5.2E-04	8.4E-03	1.0E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.0E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.1E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR25	Baseline	2.8E-03	5.2E-04	8.4E-03	3.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR26	Baseline	2.8E-03	5.2E-04	8.4E-03	3.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR27	Baseline	2.8E-03	5.2E-04	8.4E-03	3.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR28	Baseline	2.8E-03	5.2E-04	8.4E-03	1.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR29	Baseline	2.8E-03	5.2E-04	8.4E-03	5.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	5.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	7.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR30	Baseline	2.8E-03	5.2E-04	8.4E-03	2.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR31	Baseline	2.8E-03	5.2E-04	8.4E-03	1.4E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.4E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.5E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.8E-03	5.2E-04	8.4E-03	9.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	9.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.1E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR33	Baseline	2.8E-03	5.2E-04	8.4E-03	7.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	7.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	8.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR34	Baseline	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR35	Baseline	2.8E-03	5.2E-04	8.4E-03	8.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	8.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	9.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR36	Baseline	2.8E-03	5.2E-04	8.4E-03	6.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	6.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	7.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR37	Baseline	2.8E-03	5.2E-04	8.4E-03	3.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	5.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR38	Baseline	2.8E-03	5.2E-04	8.4E-03	4.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	5.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR39	Baseline	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR40	Baseline	2.8E-03	5.2E-04	8.4E-03	1.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR41	Baseline	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR42	Baseline	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR43	Baseline	2.8E-03	5.2E-04	8.4E-03	4.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	5.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR44	Baseline	2.8E-03	5.2E-04	8.4E-03	6.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	6.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	6.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR45	Baseline	2.8E-03	5.2E-04	8.4E-03	1.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR46	Baseline	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR47	Baseline	2.8E-03	5.2E-04	8.4E-03	2.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.8E-03	5.2E-04	8.4E-03	1.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR49	Baseline	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR50	Baseline	2.8E-03	5.2E-04	8.4E-03	2.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR51	Baseline	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR52	Baseline	2.8E-03	5.2E-04	8.4E-03	3.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR53	Baseline	2.8E-03	5.2E-04	8.4E-03	2.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR54	Baseline	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR55	Baseline	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR56	Baseline	2.8E-03	5.2E-04	8.4E-03	3.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR57	Baseline	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR58	Baseline	2.8E-03	5.2E-04	8.4E-03	2.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR59	Baseline	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR60	Baseline	2.8E-03	5.2E-04	8.4E-03	2.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR61	Baseline	2.8E-03	5.2E-04	8.4E-03	6.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	6.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	7.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR62	Baseline	2.8E-03	5.2E-04	8.4E-03	1.0E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.0E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.0E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR63	Baseline	2.8E-03	5.2E-04	8.4E-03	4.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	5.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR65	Baseline	2.8E-03	5.2E-04	8.4E-03	4.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR66	Baseline	2.8E-03	5.2E-04	8.4E-03	3.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR67	Baseline	2.8E-03	5.2E-04	8.4E-03	3.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR68	Baseline	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR69	Baseline	2.8E-03	5.2E-04	8.4E-03	1.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR70	Baseline	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	1.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR71	Baseline	2.8E-03	5.2E-04	8.4E-03	7.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	7.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	7.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR72	Baseline	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.0E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR73	Baseline	2.8E-03	5.2E-04	8.4E-03	3.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR74	Baseline	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR75	Baseline	2.8E-03	5.2E-04	8.4E-03	5.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	5.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	5.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR76	Baseline	2.8E-03	5.2E-04	8.4E-03	4.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	4.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.9E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR77	Baseline	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	4.1E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR78	Baseline	2.8E-03	5.2E-04	8.4E-03	3.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.3E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.6E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR79	Baseline	2.8E-03	5.2E-04	8.4E-03	3.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	3.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	3.2E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR81	Baseline	2.8E-03	5.2E-04	8.4E-03	2.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.5E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.8E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR82	Baseline	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
HHR83	Baseline	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	2.4E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	2.7E-04	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
MPOI	Baseline	2.8E-03	5.2E-04	8.4E-03	7.4E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	Application	2.8E-03	5.2E-04	8.4E-03	7.4E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00
	PDC	2.8E-03	5.2E-04	8.4E-03	7.5E-03	2.3E-02	2.5E-04	1.6E-02	2.7E-02	4.8E-02	1.1E-01	2.1E-04	1.3E-05	1.3E+00	1.5E+00

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-6: Multimedia Exposure Hazard Quotient for Cobalt

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR2	Baseline	5.9E-03	1.1E-02	8.9E-02	7.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR3	Baseline	5.9E-03	1.1E-02	8.9E-02	7.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.2E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.9E-01
HHR4	Baseline	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR5	Baseline	5.9E-03	1.1E-02	8.9E-02	4.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR6	Baseline	5.9E-03	1.1E-02	8.9E-02	6.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.1E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.9E-01
HHR7	Baseline	5.9E-03	1.1E-02	8.9E-02	1.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	2.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	3.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR8	Baseline	5.9E-03	1.1E-02	8.9E-02	4.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR9	Baseline	5.9E-03	1.1E-02	8.9E-02	4.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR10	Baseline	5.9E-03	1.1E-02	8.9E-02	2.1E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	8.0E-01
	Application	5.9E-03	1.1E-02	8.9E-02	2.1E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	8.0E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	2.5E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	8.0E-01
HHR11	Baseline	5.9E-03	1.1E-02	8.9E-02	6.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR12	Baseline	5.9E-03	1.1E-02	8.9E-02	6.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR13	Baseline	5.9E-03	1.1E-02	8.9E-02	6.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR14	Baseline	5.9E-03	1.1E-02	8.9E-02	8.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	9.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.0E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR15	Baseline	5.9E-03	1.1E-02	8.9E-02	3.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	4.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	5.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	5.9E-03	1.1E-02	8.9E-02	4.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	4.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	5.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR17	Baseline	5.9E-03	1.1E-02	8.9E-02	4.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR18	Baseline	5.9E-03	1.1E-02	8.9E-02	5.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR19	Baseline	5.9E-03	1.1E-02	8.9E-02	5.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR20	Baseline	5.9E-03	1.1E-02	8.9E-02	5.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR21	Baseline	5.9E-03	1.1E-02	8.9E-02	6.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR22	Baseline	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR23	Baseline	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR24	Baseline	5.9E-03	1.1E-02	8.9E-02	6.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR25	Baseline	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR26	Baseline	5.9E-03	1.1E-02	8.9E-02	6.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.1E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.9E-01
HHR27	Baseline	5.9E-03	1.1E-02	8.9E-02	5.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR28	Baseline	5.9E-03	1.1E-02	8.9E-02	2.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	3.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	5.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR29	Baseline	5.9E-03	1.1E-02	8.9E-02	5.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR30	Baseline	5.9E-03	1.1E-02	8.9E-02	4.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	4.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR31	Baseline	5.9E-03	1.1E-02	8.9E-02	9.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	9.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.2E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.9E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	5.9E-03	1.1E-02	8.9E-02	8.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.1E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.9E-01
HHR33	Baseline	5.9E-03	1.1E-02	8.9E-02	5.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR34	Baseline	5.9E-03	1.1E-02	8.9E-02	4.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	4.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	5.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR35	Baseline	5.9E-03	1.1E-02	8.9E-02	7.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.1E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR36	Baseline	5.9E-03	1.1E-02	8.9E-02	5.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR37	Baseline	5.9E-03	1.1E-02	8.9E-02	4.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR38	Baseline	5.9E-03	1.1E-02	8.9E-02	6.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR39	Baseline	5.9E-03	1.1E-02	8.9E-02	5.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR40	Baseline	5.9E-03	1.1E-02	8.9E-02	4.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR41	Baseline	5.9E-03	1.1E-02	8.9E-02	5.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR42	Baseline	5.9E-03	1.1E-02	8.9E-02	4.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	4.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR43	Baseline	5.9E-03	1.1E-02	8.9E-02	6.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR44	Baseline	5.9E-03	1.1E-02	8.9E-02	6.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR45	Baseline	5.9E-03	1.1E-02	8.9E-02	2.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	2.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	4.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR46	Baseline	5.9E-03	1.1E-02	8.9E-02	4.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR47	Baseline	5.9E-03	1.1E-02	8.9E-02	5.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	5.9E-03	1.1E-02	8.9E-02	4.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR49	Baseline	5.9E-03	1.1E-02	8.9E-02	4.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR50	Baseline	5.9E-03	1.1E-02	8.9E-02	5.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR51	Baseline	5.9E-03	1.1E-02	8.9E-02	4.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR52	Baseline	5.9E-03	1.1E-02	8.9E-02	7.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR53	Baseline	5.9E-03	1.1E-02	8.9E-02	6.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR54	Baseline	5.9E-03	1.1E-02	8.9E-02	6.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR55	Baseline	5.9E-03	1.1E-02	8.9E-02	6.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR56	Baseline	5.9E-03	1.1E-02	8.9E-02	5.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR57	Baseline	5.9E-03	1.1E-02	8.9E-02	4.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR58	Baseline	5.9E-03	1.1E-02	8.9E-02	4.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR59	Baseline	5.9E-03	1.1E-02	8.9E-02	4.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR60	Baseline	5.9E-03	1.1E-02	8.9E-02	5.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR61	Baseline	5.9E-03	1.1E-02	8.9E-02	5.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR62	Baseline	5.9E-03	1.1E-02	8.9E-02	5.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR63	Baseline	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	5.9E-03	1.1E-02	8.9E-02	6.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR65	Baseline	5.9E-03	1.1E-02	8.9E-02	7.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR66	Baseline	5.9E-03	1.1E-02	8.9E-02	5.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.0E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR67	Baseline	5.9E-03	1.1E-02	8.9E-02	6.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.2E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.9E-01
HHR68	Baseline	5.9E-03	1.1E-02	8.9E-02	6.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR69	Baseline	5.9E-03	1.1E-02	8.9E-02	4.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	4.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR70	Baseline	5.9E-03	1.1E-02	8.9E-02	4.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR71	Baseline	5.9E-03	1.1E-02	8.9E-02	7.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	9.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR72	Baseline	5.9E-03	1.1E-02	8.9E-02	3.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	4.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR73	Baseline	5.9E-03	1.1E-02	8.9E-02	6.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR74	Baseline	5.9E-03	1.1E-02	8.9E-02	5.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.6E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR75	Baseline	5.9E-03	1.1E-02	8.9E-02	6.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR76	Baseline	5.9E-03	1.1E-02	8.9E-02	8.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	8.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.0E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR77	Baseline	5.9E-03	1.1E-02	8.9E-02	6.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	7.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR78	Baseline	5.9E-03	1.1E-02	8.9E-02	6.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	8.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR79	Baseline	5.9E-03	1.1E-02	8.9E-02	5.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	6.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	5.9E-03	1.1E-02	8.9E-02	5.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.4E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.3E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR81	Baseline	5.9E-03	1.1E-02	8.9E-02	5.2E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.7E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	7.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR82	Baseline	5.9E-03	1.1E-02	8.9E-02	5.1E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.9E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
HHR83	Baseline	5.9E-03	1.1E-02	8.9E-02	5.0E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	Application	5.9E-03	1.1E-02	8.9E-02	5.5E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	6.8E-03	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	7.8E-01
MPOI	Baseline	5.9E-03	1.1E-02	8.9E-02	3.9E-02	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	4.8E-02	8.1E-01
	Application	5.9E-03	1.1E-02	8.9E-02	1.5E-01	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	5.2E-02	9.3E-01
	PDC	5.9E-03	1.1E-02	8.9E-02	1.5E-01	1.1E-01	4.7E-04	5.4E-02	9.0E-02	1.6E-02	3.5E-01	7.0E-04	1.2E-04	5.1E-02	9.3E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-7: Multimedia Exposure Hazard Quotient for Copper

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	1.5E-04	1.6E-05	9.8E-06	9.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR2	Baseline	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR3	Baseline	1.5E-04	1.6E-05	9.8E-06	5.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR4	Baseline	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR5	Baseline	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR6	Baseline	1.5E-04	1.6E-05	9.8E-06	6.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR7	Baseline	1.5E-04	1.6E-05	9.8E-06	1.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	4.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR8	Baseline	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	5.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR9	Baseline	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	4.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR10	Baseline	1.5E-04	1.6E-05	9.8E-06	1.5E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.5E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR11	Baseline	1.5E-04	1.6E-05	9.8E-06	9.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	9.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR12	Baseline	1.5E-04	1.6E-05	9.8E-06	1.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	5.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR13	Baseline	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR14	Baseline	1.5E-04	1.6E-05	9.8E-06	9.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR15	Baseline	1.5E-04	1.6E-05	9.8E-06	2.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	3.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	6.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	1.5E-04	1.6E-05	9.8E-06	4.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR17	Baseline	1.5E-04	1.6E-05	9.8E-06	4.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR18	Baseline	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR19	Baseline	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.5E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR20	Baseline	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR21	Baseline	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR22	Baseline	1.5E-04	1.6E-05	9.8E-06	7.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	8.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR23	Baseline	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	4.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR24	Baseline	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	5.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR25	Baseline	1.5E-04	1.6E-05	9.8E-06	5.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR26	Baseline	1.5E-04	1.6E-05	9.8E-06	5.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR27	Baseline	1.5E-04	1.6E-05	9.8E-06	4.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR28	Baseline	1.5E-04	1.6E-05	9.8E-06	2.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	2.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	7.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR29	Baseline	1.5E-04	1.6E-05	9.8E-06	2.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	2.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.3E-05	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR30	Baseline	1.5E-04	1.6E-05	9.8E-06	4.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR31	Baseline	1.5E-04	1.6E-05	9.8E-06	5.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.8E-05	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	1.5E-04	1.6E-05	9.8E-06	3.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	3.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.6E-05	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR33	Baseline	1.5E-04	1.6E-05	9.8E-06	2.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	2.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	9.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR34	Baseline	1.5E-04	1.6E-05	9.8E-06	4.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	4.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR35	Baseline	1.5E-04	1.6E-05	9.8E-06	3.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	3.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.5E-05	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR36	Baseline	1.5E-04	1.6E-05	9.8E-06	1.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	6.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR37	Baseline	1.5E-04	1.6E-05	9.8E-06	6.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR38	Baseline	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.5E-05	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR39	Baseline	1.5E-04	1.6E-05	9.8E-06	4.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR40	Baseline	1.5E-04	1.6E-05	9.8E-06	4.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR41	Baseline	1.5E-04	1.6E-05	9.8E-06	4.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR42	Baseline	1.5E-04	1.6E-05	9.8E-06	4.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR43	Baseline	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR44	Baseline	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	4.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR45	Baseline	1.5E-04	1.6E-05	9.8E-06	2.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	2.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	6.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR46	Baseline	1.5E-04	1.6E-05	9.8E-06	4.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR47	Baseline	1.5E-04	1.6E-05	9.8E-06	5.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.5E-04	1.6E-05	9.8E-06	3.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR49	Baseline	1.5E-04	1.6E-05	9.8E-06	4.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR50	Baseline	1.5E-04	1.6E-05	9.8E-06	5.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR51	Baseline	1.5E-04	1.6E-05	9.8E-06	3.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	9.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR52	Baseline	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR53	Baseline	1.5E-04	1.6E-05	9.8E-06	6.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR54	Baseline	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR55	Baseline	1.5E-04	1.6E-05	9.8E-06	6.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	7.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR56	Baseline	1.5E-04	1.6E-05	9.8E-06	7.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	8.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR57	Baseline	1.5E-04	1.6E-05	9.8E-06	6.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	7.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR58	Baseline	1.5E-04	1.6E-05	9.8E-06	3.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	8.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR59	Baseline	1.5E-04	1.6E-05	9.8E-06	3.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.8E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	8.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR60	Baseline	1.5E-04	1.6E-05	9.8E-06	4.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	9.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR61	Baseline	1.5E-04	1.6E-05	9.8E-06	8.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	8.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR62	Baseline	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR63	Baseline	1.5E-04	1.6E-05	9.8E-06	9.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	9.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.5E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	1.5E-04	1.6E-05	9.8E-06	6.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.7E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR65	Baseline	1.5E-04	1.6E-05	9.8E-06	9.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	9.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR66	Baseline	1.5E-04	1.6E-05	9.8E-06	4.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	5.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR67	Baseline	1.5E-04	1.6E-05	9.8E-06	5.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR68	Baseline	1.5E-04	1.6E-05	9.8E-06	5.5E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.5E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR69	Baseline	1.5E-04	1.6E-05	9.8E-06	3.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	3.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR70	Baseline	1.5E-04	1.6E-05	9.8E-06	3.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	4.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR71	Baseline	1.5E-04	1.6E-05	9.8E-06	2.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	2.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.6E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR72	Baseline	1.5E-04	1.6E-05	9.8E-06	2.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	3.4E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	7.1E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR73	Baseline	1.5E-04	1.6E-05	9.8E-06	6.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	7.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR74	Baseline	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.2E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR75	Baseline	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	4.4E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR76	Baseline	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR77	Baseline	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.5E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR78	Baseline	1.5E-04	1.6E-05	9.8E-06	8.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	9.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR79	Baseline	1.5E-04	1.6E-05	9.8E-06	1.0E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.5E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	1.5E-04	1.6E-05	9.8E-06	7.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	7.6E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	5.3E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR81	Baseline	1.5E-04	1.6E-05	9.8E-06	6.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.7E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.8E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR82	Baseline	1.5E-04	1.6E-05	9.8E-06	5.9E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.2E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	3.1E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
HHR83	Baseline	1.5E-04	1.6E-05	9.8E-06	6.0E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	6.3E-07	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.6E-05	9.8E-06	2.9E-06	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
MPOI	Baseline	1.5E-04	1.6E-05	9.8E-06	1.9E-05	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	Application	1.5E-04	1.6E-05	9.8E-06	1.9E-05	3.0E-04	3.3E-06	4.6E-03	5.9E-03	1.1E-03	1.2E-02	2.3E-05	3.0E-06	3.3E-02	5.8E-02
	PDC	1.5E-04	1.7E-05	1.0E-05	6.0E-04	4.7E-04	5.1E-06	4.6E-03	5.9E-03	1.1E-03	1.3E-02	2.4E-05	3.1E-06	3.5E-02	6.0E-02

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-8: Multimedia Exposure Hazard Quotient for Manganese

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	2.1E-03	3.8E-03	4.2E-01	4.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR2	Baseline	2.1E-03	3.8E-03	4.2E-01	5.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	5.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	6.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR3	Baseline	2.1E-03	3.8E-03	4.2E-01	5.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	5.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR4	Baseline	2.1E-03	3.8E-03	4.2E-01	4.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR5	Baseline	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.3E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.3E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR6	Baseline	2.1E-03	3.8E-03	4.2E-01	4.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR7	Baseline	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR8	Baseline	2.1E-03	3.8E-03	4.2E-01	3.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR9	Baseline	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR10	Baseline	2.1E-03	3.8E-03	4.2E-01	8.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	8.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	9.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR11	Baseline	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR12	Baseline	2.1E-03	3.8E-03	4.2E-01	3.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR13	Baseline	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR14	Baseline	2.1E-03	3.8E-03	4.2E-01	4.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR15	Baseline	2.1E-03	3.8E-03	4.2E-01	4.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.1E-03	3.8E-03	4.2E-01	2.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR17	Baseline	2.1E-03	3.8E-03	4.2E-01	2.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR18	Baseline	2.1E-03	3.8E-03	4.2E-01	2.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR19	Baseline	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR20	Baseline	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR21	Baseline	2.1E-03	3.8E-03	4.2E-01	3.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR22	Baseline	2.1E-03	3.8E-03	4.2E-01	4.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR23	Baseline	2.1E-03	3.8E-03	4.2E-01	4.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR24	Baseline	2.1E-03	3.8E-03	4.2E-01	4.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR25	Baseline	2.1E-03	3.8E-03	4.2E-01	5.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	5.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR26	Baseline	2.1E-03	3.8E-03	4.2E-01	6.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	6.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	7.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR27	Baseline	2.1E-03	3.8E-03	4.2E-01	5.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	5.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	6.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR28	Baseline	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR29	Baseline	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	6.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR30	Baseline	2.1E-03	3.8E-03	4.2E-01	4.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR31	Baseline	2.1E-03	3.8E-03	4.2E-01	6.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	6.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	8.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	2.1E-03	3.8E-03	4.2E-01	4.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	6.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR33	Baseline	2.1E-03	3.8E-03	4.2E-01	4.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR34	Baseline	2.1E-03	3.8E-03	4.2E-01	2.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR35	Baseline	2.1E-03	3.8E-03	4.2E-01	4.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	6.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR36	Baseline	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR37	Baseline	2.1E-03	3.8E-03	4.2E-01	8.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	8.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	8.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR38	Baseline	2.1E-03	3.8E-03	4.2E-01	3.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR39	Baseline	2.1E-03	3.8E-03	4.2E-01	2.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR40	Baseline	2.1E-03	3.8E-03	4.2E-01	2.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR41	Baseline	2.1E-03	3.8E-03	4.2E-01	2.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR42	Baseline	2.1E-03	3.8E-03	4.2E-01	2.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR43	Baseline	2.1E-03	3.8E-03	4.2E-01	4.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR44	Baseline	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR45	Baseline	2.1E-03	3.8E-03	4.2E-01	3.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR46	Baseline	2.1E-03	3.8E-03	4.2E-01	8.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	8.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	8.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR47	Baseline	2.1E-03	3.8E-03	4.2E-01	7.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	7.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	8.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR49	Baseline	2.1E-03	3.8E-03	4.2E-01	9.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	9.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	9.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR50	Baseline	2.1E-03	3.8E-03	4.2E-01	8.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	8.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	8.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR51	Baseline	2.1E-03	3.8E-03	4.2E-01	1.0E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.0E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR52	Baseline	2.1E-03	3.8E-03	4.2E-01	9.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	9.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	9.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR53	Baseline	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR54	Baseline	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR55	Baseline	2.1E-03	3.8E-03	4.2E-01	7.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	7.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	8.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR56	Baseline	2.1E-03	3.8E-03	4.2E-01	1.8E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.8E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.8E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR57	Baseline	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR58	Baseline	2.1E-03	3.8E-03	4.2E-01	1.0E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.0E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.0E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR59	Baseline	2.1E-03	3.8E-03	4.2E-01	1.0E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.1E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR60	Baseline	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	1.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR61	Baseline	2.1E-03	3.8E-03	4.2E-01	6.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	7.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	7.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR62	Baseline	2.1E-03	3.8E-03	4.2E-01	6.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	6.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	7.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR63	Baseline	2.1E-03	3.8E-03	4.2E-01	5.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	5.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	2.1E-03	3.8E-03	4.2E-01	3.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR65	Baseline	2.1E-03	3.8E-03	4.2E-01	4.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	5.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR66	Baseline	2.1E-03	3.8E-03	4.2E-01	5.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	6.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	6.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR67	Baseline	2.1E-03	3.8E-03	4.2E-01	7.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	7.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	7.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR68	Baseline	2.1E-03	3.8E-03	4.2E-01	5.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	5.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	6.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR69	Baseline	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR70	Baseline	2.1E-03	3.8E-03	4.2E-01	2.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR71	Baseline	2.1E-03	3.8E-03	4.2E-01	4.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR72	Baseline	2.1E-03	3.8E-03	4.2E-01	4.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR73	Baseline	2.1E-03	3.8E-03	4.2E-01	4.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	4.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR74	Baseline	2.1E-03	3.8E-03	4.2E-01	3.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR75	Baseline	2.1E-03	3.8E-03	4.2E-01	3.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR76	Baseline	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.2E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR77	Baseline	2.1E-03	3.8E-03	4.2E-01	3.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	4.1E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR78	Baseline	2.1E-03	3.8E-03	4.2E-01	3.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR79	Baseline	2.1E-03	3.8E-03	4.2E-01	3.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.3E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.1E-03	3.8E-03	4.2E-01	2.7E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.8E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.4E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR81	Baseline	2.1E-03	3.8E-03	4.2E-01	2.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.6E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	3.0E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR82	Baseline	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
HHR83	Baseline	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	Application	2.1E-03	3.8E-03	4.2E-01	2.5E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	2.9E-04	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.2E+00
MPOI	Baseline	2.1E-03	3.8E-03	4.2E-01	3.9E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.3E+00
	Application	2.1E-03	3.8E-03	4.2E-01	3.9E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.3E+00
	PDC	2.1E-03	3.8E-03	4.2E-01	8.2E-03	1.6E-01	1.7E-03	2.6E-01	2.8E-01	1.1E-02	1.9E-02	3.5E-05	5.4E-06	9.1E-02	1.3E+00

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-9: Multimedia Exposure Hazard Quotient for Molybdenum

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	1.6E-04	3.0E-06	5.3E-06	2.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR2	Baseline	1.6E-04	3.0E-06	5.3E-06	2.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR3	Baseline	1.6E-04	3.0E-06	5.3E-06	2.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR4	Baseline	1.6E-04	3.0E-06	5.3E-06	2.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR5	Baseline	1.6E-04	3.0E-06	5.3E-06	5.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	5.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	5.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR6	Baseline	1.6E-04	3.0E-06	5.3E-06	2.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR7	Baseline	1.6E-04	3.0E-06	5.3E-06	9.5E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	9.5E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	9.5E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR8	Baseline	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR9	Baseline	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR10	Baseline	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR11	Baseline	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR12	Baseline	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR13	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR14	Baseline	1.6E-04	3.0E-06	5.3E-06	4.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	4.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	4.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR15	Baseline	1.6E-04	3.0E-06	5.3E-06	2.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	1.6E-04	3.0E-06	5.3E-06	8.3E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	8.3E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	8.3E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR17	Baseline	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR18	Baseline	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR19	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR20	Baseline	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR21	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR22	Baseline	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR23	Baseline	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR24	Baseline	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR25	Baseline	1.6E-04	3.0E-06	5.3E-06	3.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	3.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	3.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR26	Baseline	1.6E-04	3.0E-06	5.3E-06	3.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	3.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	3.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR27	Baseline	1.6E-04	3.0E-06	5.3E-06	3.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	3.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	3.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR28	Baseline	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR29	Baseline	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR30	Baseline	1.6E-04	3.0E-06	5.3E-06	2.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR31	Baseline	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR33	Baseline	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR34	Baseline	1.6E-04	3.0E-06	5.3E-06	8.2E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	8.2E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	8.2E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR35	Baseline	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR36	Baseline	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR37	Baseline	1.6E-04	3.0E-06	5.3E-06	3.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	3.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	3.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR38	Baseline	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR39	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR40	Baseline	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR41	Baseline	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR42	Baseline	1.6E-04	3.0E-06	5.3E-06	8.6E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	8.6E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	8.6E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR43	Baseline	1.6E-04	3.0E-06	5.3E-06	2.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR44	Baseline	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR45	Baseline	1.6E-04	3.0E-06	5.3E-06	9.6E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	9.6E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	9.6E-08	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR46	Baseline	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR47	Baseline	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR49	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR50	Baseline	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR51	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR52	Baseline	1.6E-04	3.0E-06	5.3E-06	2.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR53	Baseline	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR54	Baseline	1.6E-04	3.0E-06	5.3E-06	2.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR55	Baseline	1.6E-04	3.0E-06	5.3E-06	1.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR56	Baseline	1.6E-04	3.0E-06	5.3E-06	2.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR57	Baseline	1.6E-04	3.0E-06	5.3E-06	4.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	4.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	4.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR58	Baseline	1.6E-04	3.0E-06	5.3E-06	2.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR59	Baseline	1.6E-04	3.0E-06	5.3E-06	2.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR60	Baseline	1.6E-04	3.0E-06	5.3E-06	3.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	3.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	3.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR61	Baseline	1.6E-04	3.0E-06	5.3E-06	9.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	9.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	9.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR62	Baseline	1.6E-04	3.0E-06	5.3E-06	1.3E-06	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.3E-06	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.3E-06	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR63	Baseline	1.6E-04	3.0E-06	5.3E-06	4.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	4.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	4.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR65	Baseline	1.6E-04	3.0E-06	5.3E-06	2.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR66	Baseline	1.6E-04	3.0E-06	5.3E-06	3.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	3.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	3.7E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR67	Baseline	1.6E-04	3.0E-06	5.3E-06	4.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	4.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	4.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR68	Baseline	1.6E-04	3.0E-06	5.3E-06	3.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	3.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	3.8E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR69	Baseline	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.3E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR70	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR71	Baseline	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR72	Baseline	1.6E-04	3.0E-06	5.3E-06	2.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	2.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	2.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR73	Baseline	1.6E-04	3.0E-06	5.3E-06	1.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.9E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR74	Baseline	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR75	Baseline	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR76	Baseline	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.4E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR77	Baseline	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.5E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR78	Baseline	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.6E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR79	Baseline	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.2E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR81	Baseline	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.1E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR82	Baseline	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
HHR83	Baseline	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.0E-07	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
MPOI	Baseline	1.6E-04	3.0E-06	5.3E-06	1.8E-06	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	Application	1.6E-04	3.0E-06	5.3E-06	1.8E-06	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02
	PDC	1.6E-04	3.0E-06	5.3E-06	1.8E-06	2.3E-03	2.5E-05	2.5E-04	9.0E-04	9.2E-04	4.3E-04	8.6E-07	1.1E-07	2.2E-02	2.7E-02

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-10: Multimedia Exposure Hazard Quotient for Nickel

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	3.7E-04	6.1E-05	6.0E-02	5.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR2	Baseline	3.7E-04	6.1E-05	6.0E-02	5.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR3	Baseline	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR4	Baseline	3.7E-04	6.1E-05	6.0E-02	5.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR5	Baseline	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR6	Baseline	3.7E-04	6.1E-05	6.0E-02	5.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR7	Baseline	3.7E-04	6.1E-05	6.0E-02	1.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	1.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	2.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR8	Baseline	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR9	Baseline	3.7E-04	6.1E-05	6.0E-02	4.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR10	Baseline	3.7E-04	6.1E-05	6.0E-02	1.2E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	Application	3.7E-04	6.1E-05	6.0E-02	1.2E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	1.4E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
HHR11	Baseline	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR12	Baseline	3.7E-04	6.1E-05	6.0E-02	7.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	7.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	8.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
HHR13	Baseline	3.7E-04	6.1E-05	6.0E-02	5.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR14	Baseline	3.7E-04	6.1E-05	6.0E-02	6.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR15	Baseline	3.7E-04	6.1E-05	6.0E-02	2.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	3.7E-04	6.1E-05	6.0E-02	2.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR17	Baseline	3.7E-04	6.1E-05	6.0E-02	3.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR18	Baseline	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR19	Baseline	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR20	Baseline	3.7E-04	6.1E-05	6.0E-02	4.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR21	Baseline	3.7E-04	6.1E-05	6.0E-02	4.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR22	Baseline	3.7E-04	6.1E-05	6.0E-02	5.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR23	Baseline	3.7E-04	6.1E-05	6.0E-02	9.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	Application	3.7E-04	6.1E-05	6.0E-02	1.0E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	1.1E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
HHR24	Baseline	3.7E-04	6.1E-05	6.0E-02	9.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	Application	3.7E-04	6.1E-05	6.0E-02	9.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	1.0E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
HHR25	Baseline	3.7E-04	6.1E-05	6.0E-02	5.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR26	Baseline	3.7E-04	6.1E-05	6.0E-02	5.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR27	Baseline	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR28	Baseline	3.7E-04	6.1E-05	6.0E-02	2.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	2.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR29	Baseline	3.7E-04	6.1E-05	6.0E-02	4.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR30	Baseline	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR31	Baseline	3.7E-04	6.1E-05	6.0E-02	8.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	Application	3.7E-04	6.1E-05	6.0E-02	8.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	1.0E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	3.7E-04	6.1E-05	6.0E-02	6.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	8.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR33	Baseline	3.7E-04	6.1E-05	6.0E-02	4.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR34	Baseline	3.7E-04	6.1E-05	6.0E-02	2.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR35	Baseline	3.7E-04	6.1E-05	6.0E-02	5.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR36	Baseline	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR37	Baseline	3.7E-04	6.1E-05	6.0E-02	4.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR38	Baseline	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR39	Baseline	3.7E-04	6.1E-05	6.0E-02	3.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR40	Baseline	3.7E-04	6.1E-05	6.0E-02	3.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR41	Baseline	3.7E-04	6.1E-05	6.0E-02	3.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR42	Baseline	3.7E-04	6.1E-05	6.0E-02	3.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR43	Baseline	3.7E-04	6.1E-05	6.0E-02	5.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR44	Baseline	3.7E-04	6.1E-05	6.0E-02	6.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR45	Baseline	3.7E-04	6.1E-05	6.0E-02	1.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	2.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	2.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR46	Baseline	3.7E-04	6.1E-05	6.0E-02	3.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR47	Baseline	3.7E-04	6.1E-05	6.0E-02	4.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	3.7E-04	6.1E-05	6.0E-02	3.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR49	Baseline	3.7E-04	6.1E-05	6.0E-02	3.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR50	Baseline	3.7E-04	6.1E-05	6.0E-02	4.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR51	Baseline	3.7E-04	6.1E-05	6.0E-02	3.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR52	Baseline	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR53	Baseline	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR54	Baseline	3.7E-04	6.1E-05	6.0E-02	4.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR55	Baseline	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR56	Baseline	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR57	Baseline	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR58	Baseline	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR59	Baseline	3.7E-04	6.1E-05	6.0E-02	3.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR60	Baseline	3.7E-04	6.1E-05	6.0E-02	4.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR61	Baseline	3.7E-04	6.1E-05	6.0E-02	6.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	7.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR62	Baseline	3.7E-04	6.1E-05	6.0E-02	8.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	Application	3.7E-04	6.1E-05	6.0E-02	8.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	9.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
HHR63	Baseline	3.7E-04	6.1E-05	6.0E-02	6.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	3.7E-04	6.1E-05	6.0E-02	4.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR65	Baseline	3.7E-04	6.1E-05	6.0E-02	5.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR66	Baseline	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR67	Baseline	3.7E-04	6.1E-05	6.0E-02	5.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	8.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.8E-01
HHR68	Baseline	3.7E-04	6.1E-05	6.0E-02	5.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR69	Baseline	3.7E-04	6.1E-05	6.0E-02	3.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR70	Baseline	3.7E-04	6.1E-05	6.0E-02	3.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR71	Baseline	3.7E-04	6.1E-05	6.0E-02	6.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR72	Baseline	3.7E-04	6.1E-05	6.0E-02	3.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR73	Baseline	3.7E-04	6.1E-05	6.0E-02	4.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR74	Baseline	3.7E-04	6.1E-05	6.0E-02	4.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR75	Baseline	3.7E-04	6.1E-05	6.0E-02	6.2E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR76	Baseline	3.7E-04	6.1E-05	6.0E-02	6.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	6.5E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	7.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR77	Baseline	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.1E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR78	Baseline	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	5.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	6.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR79	Baseline	3.7E-04	6.1E-05	6.0E-02	4.3E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.4E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	5.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR81	Baseline	3.7E-04	6.1E-05	6.0E-02	3.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	4.0E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.8E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR82	Baseline	3.7E-04	6.1E-05	6.0E-02	3.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.7E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
HHR83	Baseline	3.7E-04	6.1E-05	6.0E-02	3.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	Application	3.7E-04	6.1E-05	6.0E-02	3.9E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	4.6E-03	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	1.7E-01
MPOI	Baseline	3.7E-04	6.1E-05	6.0E-02	4.8E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	2.2E-01
	Application	3.7E-04	6.1E-05	6.0E-02	7.9E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	2.5E-01
	PDC	3.7E-04	6.1E-05	6.0E-02	8.0E-02	2.6E-03	5.7E-06	6.7E-03	4.9E-03	5.0E-03	1.7E-02	3.1E-05	3.1E-06	7.1E-02	2.5E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-11: Multimedia Exposure Hazard Quotient for Selenium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	5.3E-05	9.7E-07	4.9E-05	2.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR2	Baseline	5.3E-05	9.7E-07	4.9E-05	3.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	3.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	4.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR3	Baseline	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR4	Baseline	5.3E-05	9.7E-07	4.9E-05	2.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR5	Baseline	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR6	Baseline	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR7	Baseline	5.3E-05	9.7E-07	4.9E-05	5.3E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	5.4E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	8.5E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR8	Baseline	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR9	Baseline	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR10	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR11	Baseline	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR12	Baseline	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR13	Baseline	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR14	Baseline	5.3E-05	9.7E-07	4.9E-05	4.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	4.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	4.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR15	Baseline	5.3E-05	9.7E-07	4.9E-05	9.7E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	5.3E-05	9.7E-07	4.9E-05	9.4E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	9.6E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR17	Baseline	5.3E-05	9.7E-07	4.9E-05	9.8E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR18	Baseline	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR19	Baseline	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR20	Baseline	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR21	Baseline	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR22	Baseline	5.3E-05	9.7E-07	4.9E-05	2.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	3.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR23	Baseline	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR24	Baseline	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR25	Baseline	5.3E-05	9.7E-07	4.9E-05	2.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR26	Baseline	5.3E-05	9.7E-07	4.9E-05	2.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR27	Baseline	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR28	Baseline	5.3E-05	9.7E-07	4.9E-05	6.0E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	6.4E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	8.8E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR29	Baseline	5.3E-05	9.7E-07	4.9E-05	9.9E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR30	Baseline	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR31	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR33	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR34	Baseline	5.3E-05	9.7E-07	4.9E-05	9.3E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	9.6E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR35	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR36	Baseline	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR37	Baseline	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR38	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR39	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR40	Baseline	5.3E-05	9.7E-07	4.9E-05	9.9E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR41	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR42	Baseline	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR43	Baseline	5.3E-05	9.7E-07	4.9E-05	2.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR44	Baseline	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR45	Baseline	5.3E-05	9.7E-07	4.9E-05	5.7E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	6.1E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	8.2E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR46	Baseline	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR47	Baseline	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	5.3E-05	9.7E-07	4.9E-05	9.8E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR49	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR50	Baseline	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR51	Baseline	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR52	Baseline	5.3E-05	9.7E-07	4.9E-05	9.6E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR53	Baseline	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR54	Baseline	5.3E-05	9.7E-07	4.9E-05	9.9E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR55	Baseline	5.3E-05	9.7E-07	4.9E-05	9.7E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR56	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR57	Baseline	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR58	Baseline	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR59	Baseline	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR60	Baseline	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR61	Baseline	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR62	Baseline	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR63	Baseline	5.3E-05	9.7E-07	4.9E-05	3.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	3.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	3.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR65	Baseline	5.3E-05	9.7E-07	4.9E-05	3.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	3.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	3.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR66	Baseline	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR67	Baseline	5.3E-05	9.7E-07	4.9E-05	2.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR68	Baseline	5.3E-05	9.7E-07	4.9E-05	2.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR69	Baseline	5.3E-05	9.7E-07	4.9E-05	9.4E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	9.7E-06	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR70	Baseline	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR71	Baseline	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR72	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR73	Baseline	5.3E-05	9.7E-07	4.9E-05	2.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.9E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	3.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
HHR74	Baseline	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR75	Baseline	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR76	Baseline	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	2.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR77	Baseline	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.8E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	2.0E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR78	Baseline	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.6E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR79	Baseline	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.7E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.1E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR81	Baseline	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.3E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.5E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR82	Baseline	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
HHR83	Baseline	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.2E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.4E-05	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.6E-02
MPOI	Baseline	5.3E-05	9.7E-07	4.9E-05	1.1E-04	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	Application	5.3E-05	9.7E-07	4.9E-05	1.3E-04	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02
	PDC	5.3E-05	9.7E-07	4.9E-05	1.3E-04	3.2E-04	3.5E-06	2.6E-03	4.4E-03	7.7E-04	1.8E-03	3.4E-06	3.6E-07	2.6E-02	3.7E-02

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-12: Multimedia Exposure Hazard Quotient for Silver

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR2	Baseline	1.3E-05	2.4E-05	2.0E-06	2.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR3	Baseline	1.3E-05	2.4E-05	2.0E-06	1.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR4	Baseline	1.3E-05	2.4E-05	2.0E-06	3.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR5	Baseline	1.3E-05	2.4E-05	2.0E-06	3.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR6	Baseline	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR7	Baseline	1.3E-05	2.4E-05	2.0E-06	7.6E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	7.6E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.8E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR8	Baseline	1.3E-05	2.4E-05	2.0E-06	2.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR9	Baseline	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR10	Baseline	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR11	Baseline	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR12	Baseline	1.3E-05	2.4E-05	2.0E-06	3.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR13	Baseline	1.3E-05	2.4E-05	2.0E-06	3.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR14	Baseline	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR15	Baseline	1.3E-05	2.4E-05	2.0E-06	8.8E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	8.9E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	9.3E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	1.3E-05	2.4E-05	2.0E-06	9.1E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	9.2E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR17	Baseline	1.3E-05	2.4E-05	2.0E-06	6.1E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	6.2E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.0E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR18	Baseline	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR19	Baseline	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR20	Baseline	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR21	Baseline	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR22	Baseline	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR23	Baseline	1.3E-05	2.4E-05	2.0E-06	3.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR24	Baseline	1.3E-05	2.4E-05	2.0E-06	3.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR25	Baseline	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR26	Baseline	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR27	Baseline	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR28	Baseline	1.3E-05	2.4E-05	2.0E-06	7.8E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	7.8E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	8.1E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR29	Baseline	1.3E-05	2.4E-05	2.0E-06	4.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	4.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	4.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR30	Baseline	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR31	Baseline	1.3E-05	2.4E-05	2.0E-06	1.0E-04	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.0E-04	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.1E-04	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	1.3E-05	2.4E-05	2.0E-06	8.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	8.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	8.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR33	Baseline	1.3E-05	2.4E-05	2.0E-06	6.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	6.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	6.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR34	Baseline	1.3E-05	2.4E-05	2.0E-06	8.9E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	8.9E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	9.8E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR35	Baseline	1.3E-05	2.4E-05	2.0E-06	7.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	7.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR36	Baseline	1.3E-05	2.4E-05	2.0E-06	4.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	4.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	4.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR37	Baseline	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR38	Baseline	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR39	Baseline	1.3E-05	2.4E-05	2.0E-06	7.0E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	7.0E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	8.0E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR40	Baseline	1.3E-05	2.4E-05	2.0E-06	6.3E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	6.3E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.1E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR41	Baseline	1.3E-05	2.4E-05	2.0E-06	6.6E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	6.6E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.8E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR42	Baseline	1.3E-05	2.4E-05	2.0E-06	9.7E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	9.7E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR43	Baseline	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR44	Baseline	1.3E-05	2.4E-05	2.0E-06	3.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	4.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR45	Baseline	1.3E-05	2.4E-05	2.0E-06	7.2E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	7.3E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.6E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR46	Baseline	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR47	Baseline	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.3E-05	2.4E-05	2.0E-06	6.3E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	6.4E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.1E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR49	Baseline	1.3E-05	2.4E-05	2.0E-06	2.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR50	Baseline	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR51	Baseline	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR52	Baseline	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR53	Baseline	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR54	Baseline	1.3E-05	2.4E-05	2.0E-06	3.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR55	Baseline	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR56	Baseline	1.3E-05	2.4E-05	2.0E-06	4.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	4.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	4.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR57	Baseline	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR58	Baseline	1.3E-05	2.4E-05	2.0E-06	2.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR59	Baseline	1.3E-05	2.4E-05	2.0E-06	2.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR60	Baseline	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR61	Baseline	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR62	Baseline	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR63	Baseline	1.3E-05	2.4E-05	2.0E-06	1.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	1.3E-05	2.4E-05	2.0E-06	1.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.0E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR65	Baseline	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR66	Baseline	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR67	Baseline	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR68	Baseline	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR69	Baseline	1.3E-05	2.4E-05	2.0E-06	6.0E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	6.1E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	6.7E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR70	Baseline	1.3E-05	2.4E-05	2.0E-06	6.6E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	6.6E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	7.5E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR71	Baseline	1.3E-05	2.4E-05	2.0E-06	3.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	3.1E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	3.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR72	Baseline	1.3E-05	2.4E-05	2.0E-06	8.4E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	8.5E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	8.9E-06	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR73	Baseline	1.3E-05	2.4E-05	2.0E-06	1.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR74	Baseline	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR75	Baseline	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR76	Baseline	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.8E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.9E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR77	Baseline	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR78	Baseline	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.5E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR79	Baseline	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	2.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	2.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.6E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.7E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR81	Baseline	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.4E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR82	Baseline	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.2E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
HHR83	Baseline	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.3E-05	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
MPOI	Baseline	1.3E-05	2.4E-05	2.0E-06	1.5E-04	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	Application	1.3E-05	2.4E-05	2.0E-06	1.5E-04	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02
	PDC	1.3E-05	2.4E-05	2.0E-06	1.5E-04	2.0E-04	1.3E-06	9.8E-04	1.6E-03	2.9E-04	9.0E-04	1.6E-06	1.7E-07	7.2E-03	1.1E-02

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-13: Multimedia Exposure Hazard Quotient for Strontium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	3.4E-13	6.2E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	Application	3.5E-13	6.5E-13	5.3E-14	2.3E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	5.5E-13	1.0E-12	8.3E-14	3.7E-09	3.3E-10	3.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.1E-08	3.2E-05
HHR2	Baseline	5.0E-13	9.1E-13	7.4E-14	3.3E-09	3.0E-10	3.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.7E-08	3.2E-05
	Application	5.1E-13	9.4E-13	7.7E-14	3.4E-09	3.1E-10	3.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.8E-08	3.2E-05
	PDC	6.7E-13	1.2E-12	1.0E-13	4.5E-09	4.0E-10	4.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.0E-08	3.2E-05
HHR3	Baseline	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.5E-13	6.4E-13	5.2E-14	2.3E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	5.0E-13	9.1E-13	7.5E-14	3.3E-09	3.0E-10	3.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.7E-08	3.2E-05
HHR4	Baseline	3.1E-13	5.7E-13	4.6E-14	2.1E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.3E-13	6.0E-13	4.9E-14	2.2E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	5.5E-13	1.0E-12	8.2E-14	3.6E-09	3.3E-10	3.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.1E-08	3.2E-05
HHR5	Baseline	6.7E-13	1.2E-12	1.0E-13	4.5E-09	4.0E-10	4.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.0E-08	3.2E-05
	Application	6.9E-13	1.3E-12	1.0E-13	4.6E-09	4.1E-10	4.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.1E-08	3.2E-05
	PDC	8.3E-13	1.5E-12	1.3E-13	5.6E-09	5.0E-10	5.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	6.2E-08	3.3E-05
HHR6	Baseline	3.3E-13	6.1E-13	5.0E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	Application	3.6E-13	6.6E-13	5.4E-14	2.4E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	PDC	5.1E-13	9.4E-13	7.7E-14	3.4E-09	3.0E-10	3.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.8E-08	3.2E-05
HHR7	Baseline	1.2E-13	2.3E-13	1.8E-14	8.2E-10	7.3E-11	8.0E-13	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	9.2E-09	3.2E-05
	Application	1.3E-13	2.4E-13	2.0E-14	8.7E-10	7.8E-11	8.5E-13	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	9.7E-09	3.2E-05
	PDC	1.9E-13	3.5E-13	2.8E-14	1.3E-09	1.1E-10	1.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.4E-08	3.2E-05
HHR8	Baseline	2.8E-13	5.2E-13	4.2E-14	1.9E-09	1.7E-10	1.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.1E-08	3.2E-05
	Application	2.9E-13	5.4E-13	4.4E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	PDC	6.4E-13	1.2E-12	9.6E-14	4.3E-09	3.8E-10	4.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.8E-08	3.2E-05
HHR9	Baseline	3.1E-13	5.6E-13	4.6E-14	2.0E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	6.0E-13	1.1E-12	9.0E-14	4.0E-09	3.6E-10	3.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.5E-08	3.2E-05
HHR10	Baseline	7.9E-13	1.5E-12	1.2E-13	5.3E-09	4.7E-10	5.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.9E-08	3.3E-05
	Application	8.1E-13	1.5E-12	1.2E-13	5.4E-09	4.8E-10	5.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	6.0E-08	3.3E-05
	PDC	9.7E-13	1.8E-12	1.5E-13	6.5E-09	5.8E-10	6.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	7.2E-08	3.3E-05
HHR11	Baseline	3.1E-13	5.8E-13	4.7E-14	2.1E-09	1.9E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.3E-13	6.1E-13	5.0E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	4.5E-13	8.3E-13	6.8E-14	3.0E-09	2.7E-10	3.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.4E-08	3.2E-05
HHR12	Baseline	3.3E-13	6.0E-13	4.9E-14	2.2E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.4E-13	6.3E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	6.5E-13	1.2E-12	9.7E-14	4.3E-09	3.9E-10	4.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.8E-08	3.2E-05
HHR13	Baseline	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.4E-13	6.2E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	4.6E-13	8.5E-13	6.9E-14	3.1E-09	2.7E-10	3.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.4E-08	3.2E-05
HHR14	Baseline	3.9E-13	7.2E-13	5.8E-14	2.6E-09	2.3E-10	2.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.9E-08	3.2E-05
	Application	4.1E-13	7.5E-13	6.1E-14	2.7E-09	2.4E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.0E-08	3.2E-05
	PDC	5.4E-13	1.0E-12	8.1E-14	3.6E-09	3.2E-10	3.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.0E-08	3.2E-05
HHR15	Baseline	1.7E-13	3.1E-13	2.5E-14	1.1E-09	1.0E-10	1.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.2E-08	3.2E-05
	Application	2.0E-13	3.6E-13	2.9E-14	1.3E-09	1.2E-10	1.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.5E-08	3.2E-05
	PDC	2.7E-13	4.9E-13	4.0E-14	1.8E-09	1.6E-10	1.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.0E-08	3.2E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	2.0E-13	3.6E-13	3.0E-14	1.3E-09	1.2E-10	1.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.5E-08	3.2E-05
	Application	2.1E-13	3.8E-13	3.1E-14	1.4E-09	1.2E-10	1.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.5E-08	3.2E-05
	PDC	4.8E-13	8.8E-13	7.2E-14	3.2E-09	2.9E-10	3.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.6E-08	3.2E-05
HHR17	Baseline	2.3E-13	4.2E-13	3.4E-14	1.5E-09	1.4E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.7E-08	3.2E-05
	Application	2.4E-13	4.4E-13	3.6E-14	1.6E-09	1.4E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.8E-08	3.2E-05
	PDC	3.3E-13	6.1E-13	4.9E-14	2.2E-09	2.0E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
HHR18	Baseline	2.7E-13	5.0E-13	4.1E-14	1.8E-09	1.6E-10	1.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.0E-08	3.2E-05
	Application	2.8E-13	5.2E-13	4.3E-14	1.9E-09	1.7E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.1E-08	3.2E-05
	PDC	4.2E-13	7.8E-13	6.4E-14	2.8E-09	2.5E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
HHR19	Baseline	4.1E-13	7.6E-13	6.2E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
	Application	4.3E-13	7.9E-13	6.4E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
	PDC	5.5E-13	1.0E-12	8.3E-14	3.7E-09	3.3E-10	3.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.1E-08	3.2E-05
HHR20	Baseline	3.4E-13	6.2E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	Application	3.5E-13	6.5E-13	5.3E-14	2.3E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	4.8E-13	8.8E-13	7.2E-14	3.2E-09	2.9E-10	3.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.6E-08	3.2E-05
HHR21	Baseline	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.4E-13	6.2E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	4.6E-13	8.5E-13	6.9E-14	3.1E-09	2.7E-10	3.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.4E-08	3.2E-05
HHR22	Baseline	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.5E-13	6.4E-13	5.2E-14	2.3E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	4.8E-13	8.8E-13	7.2E-14	3.2E-09	2.9E-10	3.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.6E-08	3.2E-05
HHR23	Baseline	3.1E-13	5.7E-13	4.6E-14	2.1E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.3E-13	6.0E-13	4.9E-14	2.2E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	6.0E-13	1.1E-12	9.1E-14	4.0E-09	3.6E-10	3.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.5E-08	3.2E-05
HHR24	Baseline	3.6E-13	6.6E-13	5.4E-14	2.4E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	Application	3.8E-13	6.9E-13	5.7E-14	2.5E-09	2.2E-10	2.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.8E-08	3.2E-05
	PDC	6.8E-13	1.2E-12	1.0E-13	4.5E-09	4.0E-10	4.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.0E-08	3.2E-05
HHR25	Baseline	2.9E-13	5.4E-13	4.4E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	Application	3.3E-13	6.0E-13	4.9E-14	2.2E-09	2.0E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.2E-13	7.8E-13	6.4E-14	2.8E-09	2.5E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
HHR26	Baseline	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.7E-13	6.8E-13	5.6E-14	2.5E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.8E-08	3.2E-05
	PDC	5.3E-13	9.7E-13	7.9E-14	3.5E-09	3.1E-10	3.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.9E-08	3.2E-05
HHR27	Baseline	2.7E-13	5.0E-13	4.0E-14	1.8E-09	1.6E-10	1.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.0E-08	3.2E-05
	Application	3.1E-13	5.8E-13	4.7E-14	2.1E-09	1.9E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	PDC	4.7E-13	8.6E-13	7.0E-14	3.1E-09	2.8E-10	3.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.5E-08	3.2E-05
HHR28	Baseline	1.6E-13	2.9E-13	2.3E-14	1.0E-09	9.3E-11	1.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.2E-08	3.2E-05
	Application	1.7E-13	3.2E-13	2.6E-14	1.1E-09	1.0E-10	1.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.3E-08	3.2E-05
	PDC	2.6E-13	4.8E-13	3.9E-14	1.8E-09	1.6E-10	1.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.0E-08	3.2E-05
HHR29	Baseline	4.2E-13	7.8E-13	6.3E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
	Application	4.3E-13	7.9E-13	6.5E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
	PDC	2.0E-12	3.7E-12	3.0E-13	1.4E-08	1.2E-09	1.3E-11	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.5E-07	3.3E-05
HHR30	Baseline	2.4E-13	4.3E-13	3.5E-14	1.6E-09	1.4E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.7E-08	3.2E-05
	Application	2.5E-13	4.6E-13	3.7E-14	1.7E-09	1.5E-10	1.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.8E-08	3.2E-05
	PDC	3.3E-13	6.1E-13	5.0E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
HHR31	Baseline	1.4E-12	2.5E-12	2.1E-13	9.1E-09	8.2E-10	8.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.0E-07	3.3E-05
	Application	1.4E-12	2.5E-12	2.1E-13	9.2E-09	8.2E-10	9.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.0E-07	3.3E-05
	PDC	2.3E-12	4.3E-12	3.5E-13	1.6E-08	1.4E-09	1.5E-11	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.7E-07	3.3E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	4.6E-13	8.6E-13	7.0E-14	3.1E-09	2.8E-10	3.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.5E-08	3.2E-05
	Application	4.8E-13	8.8E-13	7.2E-14	3.2E-09	2.8E-10	3.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.5E-08	3.2E-05
	PDC	1.4E-12	2.6E-12	2.1E-13	9.3E-09	8.4E-10	9.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.0E-07	3.3E-05
HHR33	Baseline	3.2E-13	5.8E-13	4.7E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.3E-13	6.1E-13	5.0E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	8.4E-13	1.5E-12	1.3E-13	5.6E-09	5.0E-10	5.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	6.2E-08	3.3E-05
HHR34	Baseline	1.9E-13	3.5E-13	2.9E-14	1.3E-09	1.2E-10	1.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.4E-08	3.2E-05
	Application	2.0E-13	3.7E-13	3.0E-14	1.4E-09	1.2E-10	1.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.5E-08	3.2E-05
	PDC	5.1E-13	9.4E-13	7.7E-14	3.4E-09	3.1E-10	3.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.8E-08	3.2E-05
HHR35	Baseline	3.6E-13	6.7E-13	5.5E-14	2.4E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	Application	3.7E-13	6.9E-13	5.6E-14	2.5E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.8E-08	3.2E-05
	PDC	1.3E-12	2.3E-12	1.9E-13	8.4E-09	7.6E-10	8.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	9.4E-08	3.3E-05
HHR36	Baseline	4.0E-13	7.3E-13	6.0E-14	2.7E-09	2.4E-10	2.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.0E-08	3.2E-05
	Application	4.1E-13	7.6E-13	6.2E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
	PDC	7.8E-13	1.4E-12	1.2E-13	5.2E-09	4.7E-10	5.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.8E-08	3.3E-05
HHR37	Baseline	3.1E-13	5.7E-13	4.7E-14	2.1E-09	1.9E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.3E-13	6.0E-13	4.9E-14	2.2E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.2E-13	7.7E-13	6.3E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
HHR38	Baseline	3.3E-13	6.1E-13	5.0E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	Application	3.4E-13	6.3E-13	5.2E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	1.4E-12	2.6E-12	2.1E-13	9.4E-09	8.4E-10	9.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.0E-07	3.3E-05
HHR39	Baseline	2.5E-13	4.6E-13	3.7E-14	1.7E-09	1.5E-10	1.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.8E-08	3.2E-05
	Application	2.6E-13	4.8E-13	3.9E-14	1.7E-09	1.5E-10	1.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.9E-08	3.2E-05
	PDC	3.6E-13	6.6E-13	5.4E-14	2.4E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
HHR40	Baseline	2.3E-13	4.1E-13	3.4E-14	1.5E-09	1.3E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.7E-08	3.2E-05
	Application	2.4E-13	4.3E-13	3.5E-14	1.6E-09	1.4E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.8E-08	3.2E-05
	PDC	3.3E-13	6.1E-13	4.9E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
HHR41	Baseline	2.7E-13	4.9E-13	4.0E-14	1.8E-09	1.6E-10	1.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.0E-08	3.2E-05
	Application	2.8E-13	5.1E-13	4.1E-14	1.8E-09	1.6E-10	1.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.1E-08	3.2E-05
	PDC	3.7E-13	6.9E-13	5.6E-14	2.5E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.8E-08	3.2E-05
HHR42	Baseline	2.1E-13	3.9E-13	3.1E-14	1.4E-09	1.3E-10	1.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.6E-08	3.2E-05
	Application	2.2E-13	4.1E-13	3.3E-14	1.5E-09	1.3E-10	1.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.6E-08	3.2E-05
	PDC	4.7E-13	8.6E-13	7.1E-14	3.1E-09	2.8E-10	3.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.5E-08	3.2E-05
HHR43	Baseline	3.1E-13	5.8E-13	4.7E-14	2.1E-09	1.9E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.3E-13	6.1E-13	5.0E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	5.3E-13	9.8E-13	8.0E-14	3.6E-09	3.2E-10	3.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.0E-08	3.2E-05
HHR44	Baseline	3.0E-13	5.6E-13	4.6E-14	2.0E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.2E-13	6.0E-13	4.9E-14	2.2E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	5.3E-13	9.8E-13	8.0E-14	3.5E-09	3.2E-10	3.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.0E-08	3.2E-05
HHR45	Baseline	1.3E-13	2.4E-13	2.0E-14	8.9E-10	7.9E-11	8.7E-13	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	9.9E-09	3.2E-05
	Application	1.5E-13	2.7E-13	2.2E-14	1.0E-09	8.9E-11	9.7E-13	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.1E-08	3.2E-05
	PDC	2.2E-13	4.1E-13	3.3E-14	1.5E-09	1.3E-10	1.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.6E-08	3.2E-05
HHR46	Baseline	2.9E-13	5.4E-13	4.4E-14	1.9E-09	1.7E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	Application	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.4E-13	8.1E-13	6.6E-14	2.9E-09	2.6E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-08	3.2E-05
HHR47	Baseline	3.3E-13	6.0E-13	4.9E-14	2.2E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	Application	3.5E-13	6.4E-13	5.2E-14	2.3E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	4.5E-13	8.2E-13	6.7E-14	3.0E-09	2.7E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-08	3.2E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	2.1E-13	4.0E-13	3.2E-14	1.4E-09	1.3E-10	1.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.6E-08	3.2E-05
	Application	2.3E-13	4.2E-13	3.4E-14	1.5E-09	1.3E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.7E-08	3.2E-05
	PDC	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
HHR49	Baseline	3.0E-13	5.6E-13	4.5E-14	2.0E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	Application	3.3E-13	6.1E-13	5.0E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	4.4E-13	8.1E-13	6.6E-14	2.9E-09	2.6E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-08	3.2E-05
HHR50	Baseline	3.4E-13	6.3E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	Application	3.6E-13	6.7E-13	5.5E-14	2.4E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	PDC	4.6E-13	8.4E-13	6.9E-14	3.1E-09	2.7E-10	3.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.4E-08	3.2E-05
HHR51	Baseline	3.1E-13	5.7E-13	4.6E-14	2.1E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.4E-13	6.3E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	4.4E-13	8.1E-13	6.6E-14	2.9E-09	2.6E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-08	3.2E-05
HHR52	Baseline	6.4E-13	1.2E-12	9.6E-14	4.3E-09	3.8E-10	4.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.8E-08	3.2E-05
	Application	6.5E-13	1.2E-12	9.8E-14	4.3E-09	3.9E-10	4.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.9E-08	3.2E-05
	PDC	7.9E-13	1.5E-12	1.2E-13	5.3E-09	4.7E-10	5.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.9E-08	3.3E-05
HHR53	Baseline	4.1E-13	7.5E-13	6.1E-14	2.7E-09	2.4E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.0E-08	3.2E-05
	Application	4.4E-13	8.1E-13	6.6E-14	2.9E-09	2.6E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-08	3.2E-05
	PDC	5.4E-13	9.9E-13	8.1E-14	3.6E-09	3.2E-10	3.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.0E-08	3.2E-05
HHR54	Baseline	6.3E-13	1.2E-12	9.4E-14	4.2E-09	3.7E-10	4.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.7E-08	3.2E-05
	Application	6.4E-13	1.2E-12	9.6E-14	4.3E-09	3.8E-10	4.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.8E-08	3.2E-05
	PDC	7.8E-13	1.4E-12	1.2E-13	5.2E-09	4.6E-10	5.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	5.8E-08	3.3E-05
HHR55	Baseline	3.7E-13	6.7E-13	5.5E-14	2.4E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	Application	3.9E-13	7.1E-13	5.8E-14	2.6E-09	2.3E-10	2.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.9E-08	3.2E-05
	PDC	4.9E-13	8.9E-13	7.3E-14	3.2E-09	2.9E-10	3.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.6E-08	3.2E-05
HHR56	Baseline	5.0E-13	9.2E-13	7.5E-14	3.3E-09	3.0E-10	3.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.7E-08	3.2E-05
	Application	5.2E-13	9.6E-13	7.8E-14	3.5E-09	3.1E-10	3.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.9E-08	3.2E-05
	PDC	6.2E-13	1.1E-12	9.3E-14	4.1E-09	3.7E-10	4.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.6E-08	3.2E-05
HHR57	Baseline	4.3E-13	8.0E-13	6.5E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
	Application	4.5E-13	8.2E-13	6.7E-14	3.0E-09	2.7E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-08	3.2E-05
	PDC	5.5E-13	1.0E-12	8.2E-14	3.7E-09	3.3E-10	3.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.1E-08	3.2E-05
HHR58	Baseline	3.0E-13	5.6E-13	4.6E-14	2.0E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.5E-13	6.4E-13	5.2E-14	2.3E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	4.2E-13	7.8E-13	6.3E-14	2.8E-09	2.5E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
HHR59	Baseline	3.1E-13	5.7E-13	4.6E-14	2.1E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.5E-13	6.5E-13	5.3E-14	2.4E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	PDC	4.3E-13	7.9E-13	6.5E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
HHR60	Baseline	3.4E-13	6.2E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	Application	4.0E-13	7.4E-13	6.1E-14	2.7E-09	2.4E-10	2.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.0E-08	3.2E-05
	PDC	4.8E-13	8.9E-13	7.2E-14	3.2E-09	2.9E-10	3.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.6E-08	3.2E-05
HHR61	Baseline	3.0E-13	5.5E-13	4.5E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	Application	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.2E-13	7.7E-13	6.3E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
HHR62	Baseline	3.0E-13	5.5E-13	4.5E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	Application	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.3E-13	7.9E-13	6.4E-14	2.8E-09	2.5E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
HHR63	Baseline	3.5E-13	6.4E-13	5.2E-14	2.3E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.6E-08	3.2E-05
	Application	3.7E-13	6.8E-13	5.5E-14	2.5E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	PDC	4.9E-13	9.0E-13	7.4E-14	3.3E-09	2.9E-10	3.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.7E-08	3.2E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	4.2E-13	7.7E-13	6.3E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
	Application	4.3E-13	8.0E-13	6.5E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
	PDC	5.5E-13	1.0E-12	8.3E-14	3.7E-09	3.3E-10	3.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.1E-08	3.2E-05
HHR65	Baseline	3.6E-13	6.7E-13	5.5E-14	2.4E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	Application	3.8E-13	7.0E-13	5.7E-14	2.5E-09	2.3E-10	2.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.8E-08	3.2E-05
	PDC	5.3E-13	9.8E-13	8.0E-14	3.6E-09	3.2E-10	3.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.0E-08	3.2E-05
HHR66	Baseline	2.7E-13	5.0E-13	4.1E-14	1.8E-09	1.6E-10	1.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.0E-08	3.2E-05
	Application	3.2E-13	5.8E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.8E-13	8.9E-13	7.2E-14	3.2E-09	2.9E-10	3.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.6E-08	3.2E-05
HHR67	Baseline	3.1E-13	5.8E-13	4.7E-14	2.1E-09	1.9E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.7E-13	6.8E-13	5.6E-14	2.5E-09	2.2E-10	2.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.8E-08	3.2E-05
	PDC	5.6E-13	1.0E-12	8.3E-14	3.7E-09	3.3E-10	3.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.1E-08	3.2E-05
HHR68	Baseline	3.0E-13	5.5E-13	4.5E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	Application	3.4E-13	6.2E-13	5.1E-14	2.2E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	4.3E-13	8.0E-13	6.5E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
HHR69	Baseline	1.9E-13	3.5E-13	2.9E-14	1.3E-09	1.2E-10	1.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.4E-08	3.2E-05
	Application	2.0E-13	3.8E-13	3.1E-14	1.4E-09	1.2E-10	1.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.5E-08	3.2E-05
	PDC	3.0E-13	5.4E-13	4.4E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
HHR70	Baseline	2.2E-13	4.0E-13	3.3E-14	1.5E-09	1.3E-10	1.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.6E-08	3.2E-05
	Application	2.3E-13	4.2E-13	3.5E-14	1.5E-09	1.4E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.7E-08	3.2E-05
	PDC	3.3E-13	6.0E-13	4.9E-14	2.2E-09	2.0E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
HHR71	Baseline	1.2E-12	2.3E-12	1.8E-13	8.2E-09	7.3E-10	8.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	9.1E-08	3.3E-05
	Application	1.2E-12	2.3E-12	1.9E-13	8.3E-09	7.4E-10	8.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	9.2E-08	3.3E-05
	PDC	1.4E-12	2.5E-12	2.1E-13	9.2E-09	8.3E-10	9.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.0E-07	3.3E-05
HHR72	Baseline	1.8E-13	3.3E-13	2.7E-14	1.2E-09	1.1E-10	1.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.3E-08	3.2E-05
	Application	2.0E-13	3.8E-13	3.1E-14	1.4E-09	1.2E-10	1.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.5E-08	3.2E-05
	PDC	2.9E-13	5.3E-13	4.3E-14	1.9E-09	1.7E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.1E-08	3.2E-05
HHR73	Baseline	3.1E-13	5.7E-13	4.7E-14	2.1E-09	1.9E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.4E-13	6.3E-13	5.1E-14	2.3E-09	2.0E-10	2.2E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.5E-08	3.2E-05
	PDC	4.6E-13	8.5E-13	6.9E-14	3.1E-09	2.7E-10	3.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.4E-08	3.2E-05
HHR74	Baseline	2.8E-13	5.2E-13	4.3E-14	1.9E-09	1.7E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.1E-08	3.2E-05
	Application	3.0E-13	5.5E-13	4.5E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	PDC	4.3E-13	8.0E-13	6.5E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
HHR75	Baseline	2.9E-13	5.4E-13	4.4E-14	2.0E-09	1.8E-10	1.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.2E-08	3.2E-05
	Application	3.1E-13	5.8E-13	4.7E-14	2.1E-09	1.9E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	PDC	5.6E-13	1.0E-12	8.4E-14	3.7E-09	3.3E-10	3.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.2E-08	3.2E-05
HHR76	Baseline	3.6E-13	6.6E-13	5.4E-14	2.4E-09	2.1E-10	2.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.7E-08	3.2E-05
	Application	3.8E-13	7.0E-13	5.7E-14	2.5E-09	2.3E-10	2.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.8E-08	3.2E-05
	PDC	5.2E-13	9.6E-13	7.9E-14	3.5E-09	3.1E-10	3.4E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.9E-08	3.2E-05
HHR77	Baseline	3.1E-13	5.6E-13	4.6E-14	2.0E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.2E-13	6.0E-13	4.9E-14	2.2E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.4E-13	8.1E-13	6.6E-14	2.9E-09	2.6E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-08	3.2E-05
HHR78	Baseline	5.1E-13	9.4E-13	7.7E-14	3.4E-09	3.1E-10	3.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.8E-08	3.2E-05
	Application	5.3E-13	9.7E-13	7.9E-14	3.5E-09	3.2E-10	3.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.9E-08	3.2E-05
	PDC	6.6E-13	1.2E-12	9.9E-14	4.4E-09	3.9E-10	4.3E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.9E-08	3.2E-05
HHR79	Baseline	3.1E-13	5.7E-13	4.6E-14	2.0E-09	1.8E-10	2.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.3E-08	3.2E-05
	Application	3.2E-13	5.9E-13	4.8E-14	2.1E-09	1.9E-10	2.1E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.4E-08	3.2E-05
	PDC	4.5E-13	8.3E-13	6.8E-14	3.0E-09	2.7E-10	2.9E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.4E-08	3.2E-05

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	2.4E-13	4.4E-13	3.6E-14	1.6E-09	1.4E-10	1.5E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.8E-08	3.2E-05
	Application	2.5E-13	4.6E-13	3.8E-14	1.7E-09	1.5E-10	1.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.9E-08	3.2E-05
	PDC	6.1E-13	1.1E-12	9.1E-14	4.0E-09	3.6E-10	4.0E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	4.5E-08	3.2E-05
HHR81	Baseline	2.5E-13	4.6E-13	3.8E-14	1.7E-09	1.5E-10	1.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.9E-08	3.2E-05
	Application	2.7E-13	4.9E-13	4.0E-14	1.8E-09	1.6E-10	1.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	2.0E-08	3.2E-05
	PDC	4.2E-13	7.7E-13	6.3E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
HHR82	Baseline	2.4E-13	4.4E-13	3.6E-14	1.6E-09	1.4E-10	1.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.8E-08	3.2E-05
	Application	2.5E-13	4.6E-13	3.8E-14	1.7E-09	1.5E-10	1.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.9E-08	3.2E-05
	PDC	4.3E-13	7.9E-13	6.4E-14	2.9E-09	2.6E-10	2.8E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.2E-08	3.2E-05
HHR83	Baseline	2.4E-13	4.4E-13	3.6E-14	1.6E-09	1.4E-10	1.6E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.8E-08	3.2E-05
	Application	2.5E-13	4.7E-13	3.8E-14	1.7E-09	1.5E-10	1.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.9E-08	3.2E-05
	PDC	4.2E-13	7.7E-13	6.3E-14	2.8E-09	2.5E-10	2.7E-12	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.1E-08	3.2E-05
MPOI	Baseline	1.9E-11	3.6E-11	2.9E-12	1.3E-07	1.2E-08	1.3E-10	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.4E-06	3.4E-05
	Application	1.9E-11	3.6E-11	2.9E-12	1.3E-07	1.2E-08	1.3E-10	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	1.4E-06	3.4E-05
	PDC	4.5E-11	8.2E-11	6.7E-12	3.0E-07	2.7E-08	2.9E-10	1.1E-05	1.8E-05	3.2E-06	3.0E-07	5.4E-10	4.8E-11	3.3E-06	3.6E-05

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-14: Multimedia Exposure Hazard Quotient for Vanadium

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR2	Baseline	4.6E-05	3.2E-03	2.7E-02	5.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR3	Baseline	4.6E-05	3.2E-03	2.7E-02	6.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR4	Baseline	4.6E-05	3.2E-03	2.7E-02	5.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR5	Baseline	4.6E-05	3.2E-03	2.7E-02	7.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	7.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	8.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR6	Baseline	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR7	Baseline	4.6E-05	3.2E-03	2.7E-02	1.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	1.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	2.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR8	Baseline	4.6E-05	3.2E-03	2.7E-02	3.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR9	Baseline	4.6E-05	3.2E-03	2.7E-02	4.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR10	Baseline	4.6E-05	3.2E-03	2.7E-02	1.1E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
	Application	4.6E-05	3.2E-03	2.7E-02	1.1E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	1.2E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
HHR11	Baseline	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR12	Baseline	4.6E-05	3.2E-03	2.7E-02	6.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	7.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR13	Baseline	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR14	Baseline	4.6E-05	3.2E-03	2.7E-02	7.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	7.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	8.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR15	Baseline	4.6E-05	3.2E-03	2.7E-02	3.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	4.6E-05	3.2E-03	2.7E-02	2.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	2.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR17	Baseline	4.6E-05	3.2E-03	2.7E-02	3.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR18	Baseline	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR19	Baseline	4.6E-05	3.2E-03	2.7E-02	4.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR20	Baseline	4.6E-05	3.2E-03	2.7E-02	3.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR21	Baseline	4.6E-05	3.2E-03	2.7E-02	4.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR22	Baseline	4.6E-05	3.2E-03	2.7E-02	5.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR23	Baseline	4.6E-05	3.2E-03	2.7E-02	8.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	8.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	9.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
HHR24	Baseline	4.6E-05	3.2E-03	2.7E-02	7.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	8.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	9.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR25	Baseline	4.6E-05	3.2E-03	2.7E-02	6.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR26	Baseline	4.6E-05	3.2E-03	2.7E-02	6.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	8.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR27	Baseline	4.6E-05	3.2E-03	2.7E-02	5.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR28	Baseline	4.6E-05	3.2E-03	2.7E-02	2.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	2.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR29	Baseline	4.6E-05	3.2E-03	2.7E-02	3.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR30	Baseline	4.6E-05	3.2E-03	2.7E-02	4.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR31	Baseline	4.6E-05	3.2E-03	2.7E-02	5.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	4.6E-05	3.2E-03	2.7E-02	4.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR33	Baseline	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR34	Baseline	4.6E-05	3.2E-03	2.7E-02	2.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	2.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR35	Baseline	4.6E-05	3.2E-03	2.7E-02	3.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR36	Baseline	4.6E-05	3.2E-03	2.7E-02	4.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR37	Baseline	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR38	Baseline	4.6E-05	3.2E-03	2.7E-02	3.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR39	Baseline	4.6E-05	3.2E-03	2.7E-02	3.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR40	Baseline	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR41	Baseline	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR42	Baseline	4.6E-05	3.2E-03	2.7E-02	2.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	3.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR43	Baseline	4.6E-05	3.2E-03	2.7E-02	5.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR44	Baseline	4.6E-05	3.2E-03	2.7E-02	5.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR45	Baseline	4.6E-05	3.2E-03	2.7E-02	1.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	2.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	2.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR46	Baseline	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR47	Baseline	4.6E-05	3.2E-03	2.7E-02	4.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	4.6E-05	3.2E-03	2.7E-02	3.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR49	Baseline	4.6E-05	3.2E-03	2.7E-02	3.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR50	Baseline	4.6E-05	3.2E-03	2.7E-02	4.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR51	Baseline	4.6E-05	3.2E-03	2.7E-02	3.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR52	Baseline	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR53	Baseline	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR54	Baseline	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR55	Baseline	4.6E-05	3.2E-03	2.7E-02	4.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR56	Baseline	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR57	Baseline	4.6E-05	3.2E-03	2.7E-02	5.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR58	Baseline	4.6E-05	3.2E-03	2.7E-02	4.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR59	Baseline	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR60	Baseline	4.6E-05	3.2E-03	2.7E-02	5.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR61	Baseline	4.6E-05	3.2E-03	2.7E-02	1.1E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
	Application	4.6E-05	3.2E-03	2.7E-02	1.1E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	1.2E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
HHR62	Baseline	4.6E-05	3.2E-03	2.7E-02	1.4E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
	Application	4.6E-05	3.2E-03	2.7E-02	1.4E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	1.5E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.2E-02
HHR63	Baseline	4.6E-05	3.2E-03	2.7E-02	7.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	7.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	8.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	4.6E-05	3.2E-03	2.7E-02	4.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR65	Baseline	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR66	Baseline	4.6E-05	3.2E-03	2.7E-02	6.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	8.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR67	Baseline	4.6E-05	3.2E-03	2.7E-02	6.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	7.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	9.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR68	Baseline	4.6E-05	3.2E-03	2.7E-02	6.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	7.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	7.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR69	Baseline	4.6E-05	3.2E-03	2.7E-02	3.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR70	Baseline	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR71	Baseline	4.6E-05	3.2E-03	2.7E-02	5.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR72	Baseline	4.6E-05	3.2E-03	2.7E-02	3.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.2E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR73	Baseline	4.6E-05	3.2E-03	2.7E-02	5.0E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR74	Baseline	4.6E-05	3.2E-03	2.7E-02	3.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR75	Baseline	4.6E-05	3.2E-03	2.7E-02	5.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR76	Baseline	4.6E-05	3.2E-03	2.7E-02	5.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	5.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR77	Baseline	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR78	Baseline	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.8E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	5.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR79	Baseline	4.6E-05	3.2E-03	2.7E-02	3.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	4.1E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.9E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	4.6E-05	3.2E-03	2.7E-02	3.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR81	Baseline	4.6E-05	3.2E-03	2.7E-02	3.5E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.7E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR82	Baseline	4.6E-05	3.2E-03	2.7E-02	3.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
HHR83	Baseline	4.6E-05	3.2E-03	2.7E-02	3.4E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	Application	4.6E-05	3.2E-03	2.7E-02	3.6E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	4.3E-04	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.1E-02
MPOI	Baseline	4.6E-05	3.2E-03	2.7E-02	3.0E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.4E-02
	Application	4.6E-05	3.2E-03	2.7E-02	6.5E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.7E-02
	PDC	4.6E-05	3.2E-03	2.7E-02	6.6E-03	2.2E-04	9.1E-05	5.1E-05	8.4E-05	4.5E-05	8.3E-05	2.2E-07	7.3E-08	1.7E-04	3.7E-02

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-15: Multimedia Exposure Hazard Quotient for Zinc

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	6.6E-05	1.2E-05	9.9E-06	2.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR2	Baseline	6.6E-05	1.2E-05	9.9E-06	2.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR3	Baseline	6.6E-05	1.2E-05	9.9E-06	6.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	6.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	7.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR4	Baseline	6.6E-05	1.2E-05	9.9E-06	3.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	3.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR5	Baseline	6.6E-05	1.2E-05	9.9E-06	2.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR6	Baseline	6.6E-05	1.2E-05	9.9E-06	9.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR7	Baseline	6.6E-05	1.2E-05	9.9E-06	2.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR8	Baseline	6.6E-05	1.2E-05	9.9E-06	2.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR9	Baseline	6.6E-05	1.2E-05	9.9E-06	2.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR10	Baseline	6.6E-05	1.2E-05	9.9E-06	1.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR11	Baseline	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR12	Baseline	6.6E-05	1.2E-05	9.9E-06	3.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR13	Baseline	6.6E-05	1.2E-05	9.9E-06	3.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	3.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR14	Baseline	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR15	Baseline	6.6E-05	1.2E-05	9.9E-06	4.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	6.6E-05	1.2E-05	9.9E-06	8.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	8.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR17	Baseline	6.6E-05	1.2E-05	9.9E-06	5.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	5.3E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	6.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR18	Baseline	6.6E-05	1.2E-05	9.9E-06	2.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR19	Baseline	6.6E-05	1.2E-05	9.9E-06	2.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR20	Baseline	6.6E-05	1.2E-05	9.9E-06	3.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	3.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR21	Baseline	6.6E-05	1.2E-05	9.9E-06	2.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR22	Baseline	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR23	Baseline	6.6E-05	1.2E-05	9.9E-06	4.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR24	Baseline	6.6E-05	1.2E-05	9.9E-06	4.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR25	Baseline	6.6E-05	1.2E-05	9.9E-06	9.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR26	Baseline	6.6E-05	1.2E-05	9.9E-06	7.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	8.1E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	9.3E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR27	Baseline	6.6E-05	1.2E-05	9.9E-06	6.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	7.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	8.1E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR28	Baseline	6.6E-05	1.2E-05	9.9E-06	3.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	3.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR29	Baseline	6.6E-05	1.2E-05	9.9E-06	4.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	6.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR30	Baseline	6.6E-05	1.2E-05	9.9E-06	9.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR31	Baseline	6.6E-05	1.2E-05	9.9E-06	1.3E-05	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.3E-05	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.4E-05	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	6.6E-05	1.2E-05	9.9E-06	9.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	9.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.0E-05	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR33	Baseline	6.6E-05	1.2E-05	9.9E-06	7.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	7.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	7.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR34	Baseline	6.6E-05	1.2E-05	9.9E-06	8.6E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	8.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR35	Baseline	6.6E-05	1.2E-05	9.9E-06	8.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	8.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	8.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR36	Baseline	6.6E-05	1.2E-05	9.9E-06	4.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	5.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR37	Baseline	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR38	Baseline	6.6E-05	1.2E-05	9.9E-06	3.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	3.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR39	Baseline	6.6E-05	1.2E-05	9.9E-06	5.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	5.6E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	7.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR40	Baseline	6.6E-05	1.2E-05	9.9E-06	5.1E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	5.1E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	6.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR41	Baseline	6.6E-05	1.2E-05	9.9E-06	6.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	6.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	7.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR42	Baseline	6.6E-05	1.2E-05	9.9E-06	9.3E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	9.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR43	Baseline	6.6E-05	1.2E-05	9.9E-06	2.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR44	Baseline	6.6E-05	1.2E-05	9.9E-06	4.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR45	Baseline	6.6E-05	1.2E-05	9.9E-06	3.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	3.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR46	Baseline	6.6E-05	1.2E-05	9.9E-06	6.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	7.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	8.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR47	Baseline	6.6E-05	1.2E-05	9.9E-06	8.1E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	8.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	9.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	6.6E-05	1.2E-05	9.9E-06	4.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	6.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR49	Baseline	6.6E-05	1.2E-05	9.9E-06	6.1E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	6.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	7.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR50	Baseline	6.6E-05	1.2E-05	9.9E-06	8.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	8.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR51	Baseline	6.6E-05	1.2E-05	9.9E-06	5.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	5.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	7.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR52	Baseline	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR53	Baseline	6.6E-05	1.2E-05	9.9E-06	9.6E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	9.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR54	Baseline	6.6E-05	1.2E-05	9.9E-06	2.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR55	Baseline	6.6E-05	1.2E-05	9.9E-06	9.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	9.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR56	Baseline	6.6E-05	1.2E-05	9.9E-06	1.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR57	Baseline	6.6E-05	1.2E-05	9.9E-06	1.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR58	Baseline	6.6E-05	1.2E-05	9.9E-06	5.3E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	5.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	6.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR59	Baseline	6.6E-05	1.2E-05	9.9E-06	5.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	6.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	6.6E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR60	Baseline	6.6E-05	1.2E-05	9.9E-06	6.8E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	7.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	7.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR61	Baseline	6.6E-05	1.2E-05	9.9E-06	2.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR62	Baseline	6.6E-05	1.2E-05	9.9E-06	3.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	3.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR63	Baseline	6.6E-05	1.2E-05	9.9E-06	2.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	6.6E-05	1.2E-05	9.9E-06	1.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR65	Baseline	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR66	Baseline	6.6E-05	1.2E-05	9.9E-06	7.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	7.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	8.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR67	Baseline	6.6E-05	1.2E-05	9.9E-06	8.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	8.7E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	9.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR68	Baseline	6.6E-05	1.2E-05	9.9E-06	9.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	9.6E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.1E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR69	Baseline	6.6E-05	1.2E-05	9.9E-06	4.3E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.4E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	5.3E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR70	Baseline	6.6E-05	1.2E-05	9.9E-06	4.9E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	5.0E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	6.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR71	Baseline	6.6E-05	1.2E-05	9.9E-06	4.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR72	Baseline	6.6E-05	1.2E-05	9.9E-06	4.5E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.6E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	5.2E-07	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR73	Baseline	6.6E-05	1.2E-05	9.9E-06	1.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR74	Baseline	6.6E-05	1.2E-05	9.9E-06	2.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR75	Baseline	6.6E-05	1.2E-05	9.9E-06	2.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR76	Baseline	6.6E-05	1.2E-05	9.9E-06	2.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.8E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	3.0E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR77	Baseline	6.6E-05	1.2E-05	9.9E-06	2.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.6E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR78	Baseline	6.6E-05	1.2E-05	9.9E-06	1.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.7E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR79	Baseline	6.6E-05	1.2E-05	9.9E-06	2.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	2.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	2.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.9E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR81	Baseline	6.6E-05	1.2E-05	9.9E-06	1.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.3E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.5E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR82	Baseline	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
HHR83	Baseline	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	1.2E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	1.4E-06	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
MPOI	Baseline	6.6E-05	1.2E-05	9.9E-06	4.6E-05	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	Application	6.6E-05	1.2E-05	9.9E-06	4.6E-05	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01
	PDC	6.6E-05	1.2E-05	9.9E-06	4.6E-05	2.0E-04	1.3E-06	1.7E-03	9.0E-04	4.9E-04	3.7E-05	7.0E-08	1.0E-08	1.0E-01	1.1E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-16: Multimedia Exposure Hazard Quotient for C_{17}-C_{34} Aromatic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.4E-14	1.7E-12	1.9E-14	4.5E-14	4.5E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.1E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.1E-14	6.0E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR2	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.7E-14	4.2E-14	4.2E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.6E-14	1.8E-12	2.0E-14	4.7E-14	4.7E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.6E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
HHR3	Baseline	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.6E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.5E-12	2.7E-14	6.6E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.3E-11	6.4E-14	3.2E-12	3.5E-14	8.4E-14	8.3E-14	7.6E-04	4.3E-06	2.9E-06	3.6E-11	1.2E-03
HHR4	Baseline	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.6E-14	1.8E-12	2.0E-14	4.8E-14	4.7E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.1E-14	2.1E-12	2.2E-14	5.4E-14	5.3E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.5E-12	2.7E-14	6.6E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
HHR5	Baseline	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.6E-14	1.8E-12	2.0E-14	4.8E-14	4.7E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.1E-14	2.1E-12	2.2E-14	5.4E-14	5.3E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.8E-14	2.4E-12	2.6E-14	6.3E-14	6.2E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03
HHR6	Baseline	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.6E-14	1.8E-12	2.0E-14	4.8E-14	4.7E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.5E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.8E-11	5.4E-14	2.7E-12	2.9E-14	7.1E-14	7.0E-14	7.6E-04	4.3E-06	2.9E-06	3.0E-11	1.2E-03
HHR7	Baseline	1.5E-04	2.7E-04	2.2E-05	6.9E-12	1.3E-14	6.7E-13	7.2E-15	1.7E-14	1.7E-14	7.6E-04	4.3E-06	2.9E-06	7.3E-12	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	8.0E-12	1.5E-14	7.7E-13	8.4E-15	2.0E-14	2.0E-14	7.6E-04	4.3E-06	2.9E-06	8.5E-12	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	1.2E-11	2.2E-14	1.1E-12	1.2E-14	2.9E-14	2.9E-14	7.6E-04	4.3E-06	2.9E-06	1.2E-11	1.2E-03
HHR8	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.9E-14	1.5E-12	1.6E-14	3.8E-14	3.8E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.8E-14	4.3E-14	4.2E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
HHR9	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.9E-14	1.5E-12	1.6E-14	3.9E-14	3.8E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.3E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.5E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
HHR10	Baseline	1.5E-04	2.7E-04	2.2E-05	7.8E-11	1.5E-13	7.5E-12	8.2E-14	2.0E-13	1.9E-13	7.6E-04	4.3E-06	2.9E-06	8.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	8.0E-11	1.5E-13	7.7E-12	8.4E-14	2.0E-13	2.0E-13	7.6E-04	4.3E-06	2.9E-06	8.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	9.3E-11	1.8E-13	9.0E-12	9.7E-14	2.3E-13	2.3E-13	7.6E-04	4.3E-06	2.9E-06	9.9E-11	1.2E-03
HHR11	Baseline	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.0E-14	2.0E-12	2.2E-14	5.3E-14	5.3E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.5E-14	2.3E-12	2.5E-14	5.9E-14	5.9E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.8E-11	5.4E-14	2.7E-12	2.9E-14	7.1E-14	7.0E-14	7.6E-04	4.3E-06	2.9E-06	3.0E-11	1.2E-03
HHR12	Baseline	1.5E-04	2.7E-04	2.2E-05	2.1E-11	3.9E-14	2.0E-12	2.2E-14	5.2E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.8E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.5E-14	2.8E-12	3.0E-14	7.3E-14	7.2E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR13	Baseline	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.5E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.7E-14	2.4E-12	2.6E-14	6.2E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.6E-14	2.8E-12	3.1E-14	7.4E-14	7.3E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR14	Baseline	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.7E-14	1.9E-12	2.1E-14	4.9E-14	4.9E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.6E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.5E-12	2.7E-14	6.5E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
HHR15	Baseline	1.5E-04	2.7E-04	2.2E-05	9.0E-12	1.7E-14	8.7E-13	9.4E-15	2.3E-14	2.2E-14	7.6E-04	4.3E-06	2.9E-06	9.6E-12	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.3E-11	2.5E-14	1.3E-12	1.4E-14	3.3E-14	3.3E-14	7.6E-04	4.3E-06	2.9E-06	1.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.5E-14	1.8E-12	1.9E-14	4.6E-14	4.5E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.8E-14	1.4E-12	1.5E-14	3.7E-14	3.6E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.1E-14	1.5E-12	1.7E-14	4.0E-14	4.0E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.9E-14	2.0E-12	2.1E-14	5.2E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
HHR17	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.8E-14	1.4E-12	1.6E-14	3.8E-14	3.7E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.1E-14	1.6E-12	1.7E-14	4.1E-14	4.1E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.0E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
HHR18	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.8E-14	4.3E-14	4.2E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.6E-14	1.8E-12	2.0E-14	4.7E-14	4.7E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.8E-14	5.8E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
HHR19	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.4E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.9E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.0E-14	6.0E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR20	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.4E-14	1.7E-12	1.9E-14	4.5E-14	4.4E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.0E-14	4.9E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.1E-14	6.0E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR21	Baseline	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.5E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.7E-14	2.4E-12	2.6E-14	6.1E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.5E-14	2.8E-12	3.0E-14	7.3E-14	7.2E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR22	Baseline	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.9E-14	2.0E-12	2.1E-14	5.1E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.1E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.5E-14	2.8E-12	3.0E-14	7.3E-14	7.2E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR23	Baseline	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.8E-14	5.8E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.9E-14	2.5E-12	2.7E-14	6.4E-14	6.3E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.1E-11	5.9E-14	3.0E-12	3.2E-14	7.7E-14	7.6E-14	7.6E-04	4.3E-06	2.9E-06	3.3E-11	1.2E-03
HHR24	Baseline	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.1E-14	2.1E-12	2.3E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.0E-14	6.0E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.6E-14	2.8E-12	3.1E-14	7.4E-14	7.3E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR25	Baseline	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.1E-14	1.6E-12	1.7E-14	4.1E-14	4.1E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.0E-14	2.0E-12	2.2E-14	5.3E-14	5.3E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.9E-14	2.5E-12	2.7E-14	6.4E-14	6.3E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03
HHR26	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.4E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.1E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.2E-11	6.1E-14	3.1E-12	3.3E-14	8.0E-14	7.9E-14	7.6E-04	4.3E-06	2.9E-06	3.4E-11	1.2E-03
HHR27	Baseline	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.1E-14	1.6E-12	1.7E-14	4.1E-14	4.1E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.6E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.1E-11	6.0E-14	3.0E-12	3.3E-14	7.9E-14	7.8E-14	7.6E-04	4.3E-06	2.9E-06	3.4E-11	1.2E-03
HHR28	Baseline	1.5E-04	2.7E-04	2.2E-05	1.1E-11	2.1E-14	1.1E-12	1.2E-14	2.8E-14	2.8E-14	7.6E-04	4.3E-06	2.9E-06	1.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.4E-11	2.6E-14	1.3E-12	1.4E-14	3.4E-14	3.4E-14	7.6E-04	4.3E-06	2.9E-06	1.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.1E-14	2.1E-12	2.3E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
HHR29	Baseline	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.1E-14	1.6E-12	1.7E-14	4.1E-14	4.0E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.3E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	4.9E-14	2.5E-12	2.7E-14	6.5E-14	6.4E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03
HHR30	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.9E-14	1.5E-12	1.6E-14	3.8E-14	3.8E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.6E-12	1.8E-14	4.3E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.1E-11	3.9E-14	2.0E-12	2.2E-14	5.2E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
HHR31	Baseline	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.0E-14	2.0E-12	2.2E-14	5.3E-14	5.2E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.6E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.0E-11	5.7E-14	2.9E-12	3.2E-14	7.6E-14	7.5E-14	7.6E-04	4.3E-06	2.9E-06	3.2E-11	1.2E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.0E-14	2.0E-12	2.2E-14	5.3E-14	5.3E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.3E-14	2.2E-12	2.3E-14	5.7E-14	5.6E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.1E-11	5.9E-14	3.0E-12	3.2E-14	7.8E-14	7.7E-14	7.6E-04	4.3E-06	2.9E-06	3.3E-11	1.2E-03
HHR33	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	3.0E-14	1.5E-12	1.6E-14	3.9E-14	3.9E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.3E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.7E-14	2.4E-12	2.6E-14	6.2E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR34	Baseline	1.5E-04	2.7E-04	2.2E-05	1.4E-11	2.8E-14	1.4E-12	1.5E-14	3.7E-14	3.6E-14	7.6E-04	4.3E-06	2.9E-06	1.5E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.0E-14	1.5E-12	1.7E-14	4.0E-14	4.0E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.1E-11	3.9E-14	2.0E-12	2.1E-14	5.2E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
HHR35	Baseline	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.1E-14	2.1E-12	2.2E-14	5.4E-14	5.3E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.1E-11	5.9E-14	3.0E-12	3.3E-14	7.8E-14	7.7E-14	7.6E-04	4.3E-06	2.9E-06	3.3E-11	1.2E-03
HHR36	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.3E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.9E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	4.9E-14	2.5E-12	2.7E-14	6.5E-14	6.4E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03
HHR37	Baseline	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.0E-14	1.5E-12	1.6E-14	3.9E-14	3.9E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.4E-14	1.7E-12	1.8E-14	4.5E-14	4.4E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.1E-14	2.1E-12	2.2E-14	5.4E-14	5.3E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
HHR38	Baseline	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.6E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.5E-14	2.3E-12	2.4E-14	5.9E-14	5.8E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.2E-11	6.1E-14	3.1E-12	3.4E-14	8.1E-14	8.0E-14	7.6E-04	4.3E-06	2.9E-06	3.4E-11	1.2E-03
HHR39	Baseline	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.1E-14	1.6E-12	1.7E-14	4.1E-14	4.0E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.4E-14	1.7E-12	1.9E-14	4.5E-14	4.4E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.5E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
HHR40	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.8E-14	1.4E-12	1.5E-14	3.7E-14	3.7E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.1E-14	1.6E-12	1.7E-14	4.1E-14	4.1E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.0E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
HHR41	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.3E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.5E-14	1.8E-12	1.9E-14	4.7E-14	4.6E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.3E-14	2.2E-12	2.3E-14	5.6E-14	5.6E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
HHR42	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.9E-14	1.5E-12	1.6E-14	3.9E-14	3.8E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.8E-14	4.3E-14	4.2E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.1E-14	2.1E-12	2.3E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
HHR43	Baseline	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.7E-14	1.9E-12	2.1E-14	4.9E-14	4.9E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.6E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.7E-11	5.1E-14	2.6E-12	2.8E-14	6.8E-14	6.7E-14	7.6E-04	4.3E-06	2.9E-06	2.9E-11	1.2E-03
HHR44	Baseline	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.9E-14	2.0E-12	2.1E-14	5.2E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.9E-14	5.8E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.8E-11	5.4E-14	2.7E-12	2.9E-14	7.1E-14	7.0E-14	7.6E-04	4.3E-06	2.9E-06	3.0E-11	1.2E-03
HHR45	Baseline	1.5E-04	2.7E-04	2.2E-05	8.8E-12	1.7E-14	8.5E-13	9.2E-15	2.2E-14	2.2E-14	7.6E-04	4.3E-06	2.9E-06	9.4E-12	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.1E-11	2.1E-14	1.1E-12	1.2E-14	2.8E-14	2.8E-14	7.6E-04	4.3E-06	2.9E-06	1.2E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.7E-14	4.2E-14	4.1E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
HHR46	Baseline	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.6E-14	1.8E-12	2.0E-14	4.8E-14	4.7E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.8E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.3E-11	6.3E-14	3.2E-12	3.5E-14	8.4E-14	8.3E-14	7.6E-04	4.3E-06	2.9E-06	3.5E-11	1.2E-03
HHR47	Baseline	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.5E-14	2.3E-12	2.5E-14	6.0E-14	5.9E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.7E-11	5.2E-14	2.6E-12	2.8E-14	6.9E-14	6.8E-14	7.6E-04	4.3E-06	2.9E-06	2.9E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.4E-11	6.4E-14	3.3E-12	3.5E-14	8.5E-14	8.4E-14	7.6E-04	4.3E-06	2.9E-06	3.6E-11	1.2E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.5E-04	2.7E-04	2.2E-05	1.4E-11	2.7E-14	1.4E-12	1.5E-14	3.6E-14	3.5E-14	7.6E-04	4.3E-06	2.9E-06	1.5E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.0E-14	1.5E-12	1.6E-14	3.9E-14	3.9E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.9E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
HHR49	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.4E-14	1.7E-12	1.9E-14	4.5E-14	4.4E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.6E-14	5.5E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.1E-11	5.9E-14	3.0E-12	3.2E-14	7.8E-14	7.7E-14	7.6E-04	4.3E-06	2.9E-06	3.3E-11	1.2E-03
HHR50	Baseline	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.7E-14	2.4E-12	2.6E-14	6.2E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.8E-11	5.3E-14	2.7E-12	2.9E-14	7.1E-14	7.0E-14	7.6E-04	4.3E-06	2.9E-06	3.0E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.4E-11	6.4E-14	3.3E-12	3.5E-14	8.5E-14	8.4E-14	7.6E-04	4.3E-06	2.9E-06	3.6E-11	1.2E-03
HHR51	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.8E-14	4.2E-14	4.2E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.2E-14	2.1E-12	2.3E-14	5.5E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.6E-14	2.8E-12	3.1E-14	7.4E-14	7.3E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR52	Baseline	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.6E-12	2.8E-14	6.7E-14	6.6E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.8E-11	5.4E-14	2.7E-12	3.0E-14	7.2E-14	7.1E-14	7.6E-04	4.3E-06	2.9E-06	3.0E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.4E-11	6.4E-14	3.2E-12	3.5E-14	8.5E-14	8.4E-14	7.6E-04	4.3E-06	2.9E-06	3.6E-11	1.2E-03
HHR53	Baseline	1.5E-04	2.7E-04	2.2E-05	3.0E-11	5.7E-14	2.9E-12	3.1E-14	7.5E-14	7.4E-14	7.6E-04	4.3E-06	2.9E-06	3.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	3.4E-11	6.5E-14	3.3E-12	3.6E-14	8.6E-14	8.5E-14	7.6E-04	4.3E-06	2.9E-06	3.6E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	4.1E-11	7.8E-14	3.9E-12	4.3E-14	1.0E-13	1.0E-13	7.6E-04	4.3E-06	2.9E-06	4.3E-11	1.2E-03
HHR54	Baseline	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.0E-14	2.0E-12	2.2E-14	5.2E-14	5.2E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.7E-11	5.2E-14	2.6E-12	2.9E-14	6.9E-14	6.8E-14	7.6E-04	4.3E-06	2.9E-06	2.9E-11	1.2E-03
HHR55	Baseline	1.5E-04	2.7E-04	2.2E-05	2.6E-11	4.9E-14	2.5E-12	2.7E-14	6.5E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.5E-14	2.8E-12	3.0E-14	7.3E-14	7.2E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.4E-11	6.6E-14	3.3E-12	3.6E-14	8.7E-14	8.6E-14	7.6E-04	4.3E-06	2.9E-06	3.7E-11	1.2E-03
HHR56	Baseline	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.7E-14	1.9E-12	2.1E-14	4.9E-14	4.9E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.6E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.7E-11	5.2E-14	2.6E-12	2.8E-14	6.8E-14	6.8E-14	7.6E-04	4.3E-06	2.9E-06	2.9E-11	1.2E-03
HHR57	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.8E-14	4.2E-14	4.2E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.9E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.8E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
HHR58	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.9E-14	1.5E-12	1.6E-14	3.8E-14	3.8E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.1E-14	2.1E-12	2.3E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.5E-12	2.7E-14	6.6E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
HHR59	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.9E-14	1.4E-12	1.6E-14	3.8E-14	3.7E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.1E-11	4.1E-14	2.1E-12	2.2E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.5E-12	2.7E-14	6.6E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
HHR60	Baseline	1.5E-04	2.7E-04	2.2E-05	1.5E-11	2.9E-14	1.5E-12	1.6E-14	3.9E-14	3.8E-14	7.6E-04	4.3E-06	2.9E-06	1.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.7E-14	2.4E-12	2.6E-14	6.2E-14	6.2E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.6E-14	2.8E-12	3.1E-14	7.4E-14	7.3E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR61	Baseline	1.5E-04	2.7E-04	2.2E-05	3.2E-11	6.1E-14	3.1E-12	3.4E-14	8.1E-14	8.0E-14	7.6E-04	4.3E-06	2.9E-06	3.4E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	3.5E-11	6.7E-14	3.4E-12	3.7E-14	8.9E-14	8.8E-14	7.6E-04	4.3E-06	2.9E-06	3.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.9E-11	7.4E-14	3.7E-12	4.1E-14	9.7E-14	9.6E-14	7.6E-04	4.3E-06	2.9E-06	4.1E-11	1.2E-03
HHR62	Baseline	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.1E-14	2.1E-12	2.3E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.8E-14	2.4E-12	2.6E-14	6.4E-14	6.3E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.9E-11	5.5E-14	2.8E-12	3.0E-14	7.3E-14	7.2E-14	7.6E-04	4.3E-06	2.9E-06	3.1E-11	1.2E-03
HHR63	Baseline	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.9E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.3E-14	2.2E-12	2.3E-14	5.7E-14	5.6E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.5E-12	2.7E-14	6.6E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.5E-14	1.8E-12	1.9E-14	4.6E-14	4.5E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.1E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.7E-14	2.4E-12	2.6E-14	6.2E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR65	Baseline	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.1E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.7E-11	5.2E-14	2.6E-12	2.8E-14	6.8E-14	6.7E-14	7.6E-04	4.3E-06	2.9E-06	2.9E-11	1.2E-03
HHR66	Baseline	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.0E-14	1.5E-12	1.7E-14	4.0E-14	4.0E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.3E-14	2.2E-12	2.4E-14	5.7E-14	5.6E-14	7.6E-04	4.3E-06	2.9E-06	2.4E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.2E-11	6.1E-14	3.1E-12	3.4E-14	8.1E-14	8.0E-14	7.6E-04	4.3E-06	2.9E-06	3.4E-11	1.2E-03
HHR67	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.2E-14	1.6E-12	1.7E-14	4.2E-14	4.1E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.4E-12	2.5E-14	6.1E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.5E-11	6.8E-14	3.4E-12	3.7E-14	8.9E-14	8.8E-14	7.6E-04	4.3E-06	2.9E-06	3.8E-11	1.2E-03
HHR68	Baseline	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.0E-14	1.5E-12	1.7E-14	4.0E-14	4.0E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.1E-14	2.1E-12	2.3E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.5E-12	2.7E-14	6.6E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
HHR69	Baseline	1.5E-04	2.7E-04	2.2E-05	1.3E-11	2.4E-14	1.2E-12	1.3E-14	3.2E-14	3.2E-14	7.6E-04	4.3E-06	2.9E-06	1.4E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.4E-11	2.7E-14	1.4E-12	1.5E-14	3.6E-14	3.6E-14	7.6E-04	4.3E-06	2.9E-06	1.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.4E-14	1.7E-12	1.9E-14	4.5E-14	4.5E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
HHR70	Baseline	1.5E-04	2.7E-04	2.2E-05	1.4E-11	2.7E-14	1.4E-12	1.5E-14	3.6E-14	3.6E-14	7.6E-04	4.3E-06	2.9E-06	1.5E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.6E-11	3.0E-14	1.5E-12	1.7E-14	4.0E-14	4.0E-14	7.6E-04	4.3E-06	2.9E-06	1.7E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.0E-14	4.9E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
HHR71	Baseline	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.0E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.2E-11	4.1E-14	2.1E-12	2.3E-14	5.4E-14	5.4E-14	7.6E-04	4.3E-06	2.9E-06	2.3E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.6E-11	4.9E-14	2.5E-12	2.7E-14	6.5E-14	6.5E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
HHR72	Baseline	1.5E-04	2.7E-04	2.2E-05	1.1E-11	2.1E-14	1.0E-12	1.1E-14	2.7E-14	2.7E-14	7.6E-04	4.3E-06	2.9E-06	1.1E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.4E-11	2.7E-14	1.4E-12	1.5E-14	3.6E-14	3.6E-14	7.6E-04	4.3E-06	2.9E-06	1.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.8E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
HHR73	Baseline	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.5E-14	1.8E-12	1.9E-14	4.7E-14	4.6E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.8E-14	5.7E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.7E-11	5.2E-14	2.6E-12	2.9E-14	6.9E-14	6.8E-14	7.6E-04	4.3E-06	2.9E-06	2.9E-11	1.2E-03
HHR74	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.4E-14	4.4E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.9E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.5E-14	2.3E-12	2.5E-14	6.0E-14	5.9E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
HHR75	Baseline	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.0E-14	6.0E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.6E-11	5.0E-14	2.6E-12	2.8E-14	6.7E-14	6.6E-14	7.6E-04	4.3E-06	2.9E-06	2.8E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.2E-11	6.1E-14	3.1E-12	3.4E-14	8.1E-14	8.0E-14	7.6E-04	4.3E-06	2.9E-06	3.4E-11	1.2E-03
HHR76	Baseline	1.5E-04	2.7E-04	2.2E-05	2.7E-11	5.1E-14	2.6E-12	2.8E-14	6.8E-14	6.7E-14	7.6E-04	4.3E-06	2.9E-06	2.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	3.0E-11	5.7E-14	2.9E-12	3.1E-14	7.5E-14	7.4E-14	7.6E-04	4.3E-06	2.9E-06	3.2E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	3.5E-11	6.6E-14	3.4E-12	3.6E-14	8.8E-14	8.7E-14	7.6E-04	4.3E-06	2.9E-06	3.7E-11	1.2E-03
HHR77	Baseline	1.5E-04	2.7E-04	2.2E-05	2.1E-11	3.9E-14	2.0E-12	2.2E-14	5.2E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.3E-11	4.4E-14	2.2E-12	2.4E-14	5.9E-14	5.8E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.8E-11	5.3E-14	2.7E-12	2.9E-14	7.0E-14	6.9E-14	7.6E-04	4.3E-06	2.9E-06	3.0E-11	1.2E-03
HHR78	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.5E-14	1.8E-12	1.9E-14	4.6E-14	4.5E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.1E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.7E-14	2.4E-12	2.6E-14	6.2E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR79	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.5E-14	1.8E-12	1.9E-14	4.6E-14	4.6E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.9E-14	2.0E-12	2.1E-14	5.1E-14	5.1E-14	7.6E-04	4.3E-06	2.9E-06	2.2E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.8E-14	2.4E-12	2.6E-14	6.3E-14	6.2E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.3E-14	4.3E-14	7.6E-04	4.3E-06	2.9E-06	1.8E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.6E-14	1.8E-12	2.0E-14	4.8E-14	4.7E-14	7.6E-04	4.3E-06	2.9E-06	2.0E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.8E-14	2.4E-12	2.7E-14	6.4E-14	6.3E-14	7.6E-04	4.3E-06	2.9E-06	2.7E-11	1.2E-03
HHR81	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.5E-14	1.8E-12	1.9E-14	4.6E-14	4.5E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.1E-14	5.0E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.5E-11	4.7E-14	2.4E-12	2.6E-14	6.2E-14	6.1E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR82	Baseline	1.5E-04	2.7E-04	2.2E-05	1.8E-11	3.4E-14	1.7E-12	1.9E-14	4.5E-14	4.4E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	2.0E-11	3.8E-14	1.9E-12	2.1E-14	5.0E-14	4.9E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.6E-14	2.3E-12	2.5E-14	6.1E-14	6.0E-14	7.6E-04	4.3E-06	2.9E-06	2.6E-11	1.2E-03
HHR83	Baseline	1.5E-04	2.7E-04	2.2E-05	1.7E-11	3.3E-14	1.7E-12	1.8E-14	4.4E-14	4.4E-14	7.6E-04	4.3E-06	2.9E-06	1.9E-11	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	1.9E-11	3.7E-14	1.9E-12	2.0E-14	4.9E-14	4.8E-14	7.6E-04	4.3E-06	2.9E-06	2.1E-11	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	2.4E-11	4.5E-14	2.3E-12	2.5E-14	6.0E-14	5.9E-14	7.6E-04	4.3E-06	2.9E-06	2.5E-11	1.2E-03
MPOI	Baseline	1.5E-04	2.7E-04	2.2E-05	1.4E-10	2.7E-13	1.4E-11	1.5E-13	3.6E-13	3.5E-13	7.6E-04	4.3E-06	2.9E-06	1.5E-10	1.2E-03
	Application	1.5E-04	2.7E-04	2.2E-05	5.6E-10	1.1E-12	5.4E-11	5.8E-13	1.4E-12	1.4E-12	7.6E-04	4.3E-06	2.9E-06	5.9E-10	1.2E-03
	PDC	1.5E-04	2.7E-04	2.2E-05	5.6E-10	1.1E-12	5.4E-11	5.9E-13	1.4E-12	1.4E-12	7.6E-04	4.3E-06	2.9E-06	6.0E-10	1.2E-03

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-17: Multimedia Exposure Hazard Quotient for Fluorene

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR2	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR3	Baseline	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR4	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR5	Baseline	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR6	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR7	Baseline	8.2E-07	2.0E-07	1.2E-07	4.8E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	6.0E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR8	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR9	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR10	Baseline	8.2E-07	2.0E-07	1.2E-07	8.7E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR11	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR12	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR13	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR14	Baseline	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR15	Baseline	8.2E-07	2.0E-07	1.2E-07	7.6E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR17	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR18	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR19	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR20	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR21	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR22	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR23	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR24	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR25	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR26	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR27	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR28	Baseline	8.2E-07	2.0E-07	1.2E-07	6.8E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	9.5E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR29	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR30	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR31	Baseline	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR33	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR34	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR35	Baseline	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR36	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR37	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR38	Baseline	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR39	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR40	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR41	Baseline	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR42	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR43	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR44	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR45	Baseline	8.2E-07	2.0E-07	1.2E-07	6.0E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	8.6E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR46	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR47	Baseline	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR49	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR50	Baseline	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR51	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR52	Baseline	8.2E-07	2.0E-07	1.2E-07	8.0E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR53	Baseline	8.2E-07	2.0E-07	1.2E-07	2.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	3.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	3.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR54	Baseline	8.2E-07	2.0E-07	1.2E-07	8.9E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR55	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR56	Baseline	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR57	Baseline	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR58	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR59	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR60	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR61	Baseline	8.2E-07	2.0E-07	1.2E-07	3.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	3.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	4.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR62	Baseline	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR63	Baseline	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR65	Baseline	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR66	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR67	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	3.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR68	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR69	Baseline	8.2E-07	2.0E-07	1.2E-07	1.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR70	Baseline	8.2E-07	2.0E-07	1.2E-07	1.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR71	Baseline	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR72	Baseline	8.2E-07	2.0E-07	1.2E-07	8.5E-10	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR73	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR74	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR75	Baseline	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR76	Baseline	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	2.2E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.6E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR77	Baseline	8.2E-07	2.0E-07	1.2E-07	1.4E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR78	Baseline	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.7E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.1E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR79	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	2.0E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR81	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR82	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.9E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
HHR83	Baseline	8.2E-07	2.0E-07	1.2E-07	1.3E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	1.5E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	1.8E-09	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
MPOI	Baseline	8.2E-07	2.0E-07	1.2E-07	1.1E-08	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	Application	8.2E-07	2.0E-07	1.2E-07	7.0E-08	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03
	PDC	8.2E-07	2.0E-07	1.2E-07	7.0E-08	9.8E-06	3.1E-05	2.0E-04	3.4E-04	6.0E-05	1.8E-03	3.3E-06	3.0E-07	1.8E-04	2.7E-03

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Table M6.1-18: Multimedia Exposure Hazard Quotient for Formaldehyde

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	Baseline	7.5E-11	1.4E-10	2.4E-10	4.9E-02	1.7E-05	4.4E-07	1.6E-08	1.5E-06	1.4E-11	3.4E-09	5.4E-12	4.2E-12	2.0E-06	4.9E-02
	Application	7.5E-11	1.4E-10	2.4E-10	4.9E-02	1.7E-05	4.4E-07	1.6E-08	1.5E-06	1.4E-11	3.4E-09	5.4E-12	4.3E-12	2.0E-06	4.9E-02
	PDC	8.8E-11	1.6E-10	2.8E-10	5.7E-02	2.0E-05	5.2E-07	1.8E-08	1.8E-06	1.7E-11	4.0E-09	6.3E-12	5.0E-12	2.3E-06	5.7E-02
HHR2	Baseline	7.0E-11	1.3E-10	2.2E-10	4.6E-02	1.6E-05	4.2E-07	1.5E-08	1.4E-06	1.4E-11	3.2E-09	5.1E-12	4.0E-12	1.8E-06	4.6E-02
	Application	7.1E-11	1.3E-10	2.2E-10	4.6E-02	1.6E-05	4.2E-07	1.5E-08	1.5E-06	1.4E-11	3.2E-09	5.1E-12	4.0E-12	1.9E-06	4.6E-02
	PDC	9.9E-11	1.8E-10	3.1E-10	6.4E-02	2.2E-05	5.9E-07	2.1E-08	2.0E-06	1.9E-11	4.6E-09	7.2E-12	5.6E-12	2.6E-06	6.4E-02
HHR3	Baseline	1.0E-11	1.9E-11	3.3E-11	6.8E-03	2.4E-06	6.2E-08	2.2E-09	2.2E-07	2.0E-12	4.8E-10	7.6E-13	5.9E-13	2.8E-07	6.8E-03
	Application	1.1E-11	2.0E-11	3.5E-11	7.2E-03	2.5E-06	6.5E-08	2.3E-09	2.3E-07	2.1E-12	5.1E-10	8.0E-13	6.3E-13	2.9E-07	7.2E-03
	PDC	1.5E-11	2.8E-11	4.8E-11	1.0E-02	3.5E-06	9.1E-08	3.2E-09	3.2E-07	3.0E-12	7.1E-10	1.1E-12	8.7E-13	4.0E-07	1.0E-02
HHR4	Baseline	1.2E-10	2.2E-10	3.7E-10	7.7E-02	2.7E-05	7.1E-07	2.5E-08	2.4E-06	2.3E-11	5.5E-09	8.6E-12	6.8E-12	3.1E-06	7.7E-02
	Application	1.2E-10	2.2E-10	3.8E-10	7.8E-02	2.7E-05	7.1E-07	2.5E-08	2.5E-06	2.3E-11	5.5E-09	8.6E-12	6.8E-12	3.1E-06	7.8E-02
	PDC	1.3E-10	2.4E-10	4.1E-10	8.5E-02	3.0E-05	7.8E-07	2.8E-08	2.7E-06	2.5E-11	6.1E-09	9.5E-12	7.5E-12	3.5E-06	8.5E-02
HHR5	Baseline	4.1E-11	7.5E-11	1.3E-10	2.7E-02	9.2E-06	2.4E-07	8.6E-09	8.4E-07	7.8E-12	1.9E-09	2.9E-12	2.3E-12	1.1E-06	2.7E-02
	Application	4.1E-11	7.6E-11	1.3E-10	2.7E-02	9.3E-06	2.4E-07	8.6E-09	8.4E-07	7.9E-12	1.9E-09	3.0E-12	2.3E-12	1.1E-06	2.7E-02
	PDC	7.9E-11	1.5E-10	2.5E-10	5.2E-02	1.8E-05	4.7E-07	1.7E-08	1.6E-06	1.5E-11	3.7E-09	5.7E-12	4.5E-12	2.1E-06	5.2E-02
HHR6	Baseline	3.3E-11	6.0E-11	1.0E-10	2.1E-02	7.4E-06	1.9E-07	6.9E-09	6.7E-07	6.3E-12	1.5E-09	2.4E-12	1.9E-12	8.6E-07	2.1E-02
	Application	3.3E-11	6.1E-11	1.0E-10	2.2E-02	7.5E-06	2.0E-07	7.0E-09	6.8E-07	6.4E-12	1.5E-09	2.4E-12	1.9E-12	8.7E-07	2.2E-02
	PDC	3.9E-11	7.2E-11	1.2E-10	2.5E-02	8.9E-06	2.3E-07	8.2E-09	8.1E-07	7.5E-12	1.8E-09	2.8E-12	2.2E-12	1.0E-06	2.5E-02
HHR7	Baseline	3.8E-12	7.1E-12	1.2E-11	2.5E-03	8.7E-07	2.3E-08	8.1E-10	7.9E-08	7.4E-13	1.8E-10	2.8E-13	2.2E-13	1.0E-07	2.5E-03
	Application	4.0E-12	7.3E-12	1.2E-11	2.6E-03	9.0E-07	2.3E-08	8.3E-10	8.1E-08	7.6E-13	1.8E-10	2.9E-13	2.2E-13	1.0E-07	2.6E-03
	PDC	5.4E-12	1.0E-11	1.7E-11	3.5E-03	1.2E-06	3.2E-08	1.1E-09	1.1E-07	1.0E-12	2.5E-10	3.9E-13	3.1E-13	1.4E-07	3.5E-03
HHR8	Baseline	1.5E-10	2.7E-10	4.6E-10	9.4E-02	3.3E-05	8.6E-07	3.0E-08	3.0E-06	2.8E-11	6.7E-09	1.0E-11	8.2E-12	3.8E-06	9.4E-02
	Application	1.5E-10	2.7E-10	4.6E-10	9.4E-02	3.3E-05	8.6E-07	3.1E-08	3.0E-06	2.8E-11	6.7E-09	1.1E-11	8.3E-12	3.8E-06	9.5E-02
	PDC	1.6E-10	3.0E-10	5.1E-10	1.1E-01	3.7E-05	9.6E-07	3.4E-08	3.3E-06	3.1E-11	7.5E-09	1.2E-11	9.2E-12	4.3E-06	1.1E-01
HHR9	Baseline	1.1E-10	2.0E-10	3.4E-10	7.0E-02	2.4E-05	6.4E-07	2.3E-08	2.2E-06	2.1E-11	5.0E-09	7.8E-12	6.1E-12	2.8E-06	7.0E-02
	Application	1.1E-10	2.0E-10	3.4E-10	7.0E-02	2.5E-05	6.4E-07	2.3E-08	2.2E-06	2.1E-11	5.0E-09	7.8E-12	6.1E-12	2.8E-06	7.0E-02
	PDC	1.2E-10	2.2E-10	3.8E-10	7.9E-02	2.8E-05	7.2E-07	2.6E-08	2.5E-06	2.3E-11	5.6E-09	8.8E-12	6.9E-12	3.2E-06	7.9E-02
HHR10	Baseline	2.3E-11	4.3E-11	7.3E-11	1.5E-02	5.3E-06	1.4E-07	4.9E-09	4.8E-07	4.5E-12	1.1E-09	1.7E-12	1.3E-12	6.1E-07	1.5E-02
	Application	2.4E-11	4.3E-11	7.4E-11	1.5E-02	5.3E-06	1.4E-07	4.9E-09	4.8E-07	4.5E-12	1.1E-09	1.7E-12	1.3E-12	6.2E-07	1.5E-02
	PDC	3.2E-11	6.0E-11	1.0E-10	2.1E-02	7.3E-06	1.9E-07	6.8E-09	6.7E-07	6.2E-12	1.5E-09	2.3E-12	1.8E-12	8.5E-07	2.1E-02
HHR11	Baseline	1.0E-10	1.8E-10	3.1E-10	6.5E-02	2.3E-05	5.9E-07	2.1E-08	2.1E-06	1.9E-11	4.6E-09	7.2E-12	5.7E-12	2.6E-06	6.5E-02
	Application	1.0E-10	1.8E-10	3.2E-10	6.5E-02	2.3E-05	5.9E-07	2.1E-08	2.1E-06	1.9E-11	4.6E-09	7.2E-12	5.7E-12	2.6E-06	6.5E-02
	PDC	1.1E-10	2.0E-10	3.4E-10	7.0E-02	2.4E-05	6.4E-07	2.3E-08	2.2E-06	2.1E-11	5.0E-09	7.8E-12	6.1E-12	2.8E-06	7.0E-02
HHR12	Baseline	1.9E-10	3.4E-10	5.9E-10	1.2E-01	4.2E-05	1.1E-06	3.9E-08	3.8E-06	3.6E-11	8.6E-09	1.3E-11	1.1E-11	4.9E-06	1.2E-01
	Application	1.9E-10	3.4E-10	5.9E-10	1.2E-01	4.2E-05	1.1E-06	3.9E-08	3.8E-06	3.6E-11	8.6E-09	1.3E-11	1.1E-11	4.9E-06	1.2E-01
	PDC	2.0E-10	3.7E-10	6.3E-10	1.3E-01	4.6E-05	1.2E-06	4.2E-08	4.1E-06	3.9E-11	9.3E-09	1.5E-11	1.1E-11	5.3E-06	1.3E-01
HHR13	Baseline	1.5E-10	2.7E-10	4.6E-10	9.6E-02	3.3E-05	8.7E-07	3.1E-08	3.0E-06	2.8E-11	6.8E-09	1.1E-11	8.4E-12	3.9E-06	9.6E-02
	Application	1.5E-10	2.7E-10	4.7E-10	9.6E-02	3.3E-05	8.8E-07	3.1E-08	3.0E-06	2.8E-11	6.8E-09	1.1E-11	8.4E-12	3.9E-06	9.6E-02
	PDC	1.6E-10	2.9E-10	4.9E-10	1.0E-01	3.5E-05	9.2E-07	3.3E-08	3.2E-06	3.0E-11	7.1E-09	1.1E-11	8.8E-12	4.1E-06	1.0E-01
HHR14	Baseline	5.2E-11	9.6E-11	1.6E-10	3.4E-02	1.2E-05	3.1E-07	1.1E-08	1.1E-06	1.0E-11	2.4E-09	3.8E-12	3.0E-12	1.4E-06	3.4E-02
	Application	5.2E-11	9.6E-11	1.7E-10	3.4E-02	1.2E-05	3.1E-07	1.1E-08	1.1E-06	1.0E-11	2.4E-09	3.8E-12	3.0E-12	1.4E-06	3.4E-02
	PDC	6.5E-11	1.2E-10	2.1E-10	4.3E-02	1.5E-05	3.9E-07	1.4E-08	1.3E-06	1.3E-11	3.0E-09	4.7E-12	3.7E-12	1.7E-06	4.3E-02
HHR15	Baseline	3.8E-12	7.0E-12	1.2E-11	2.5E-03	8.6E-07	2.3E-08	8.0E-10	7.8E-08	7.3E-13	1.8E-10	2.8E-13	2.2E-13	1.0E-07	2.5E-03
	Application	4.3E-12	7.9E-12	1.4E-11	2.8E-03	9.8E-07	2.6E-08	9.1E-10	8.9E-08	8.3E-13	2.0E-10	3.1E-13	2.4E-13	1.1E-07	2.8E-03
	PDC	6.4E-12	1.2E-11	2.0E-11	4.2E-03	1.5E-06	3.8E-08	1.3E-09	1.3E-07	1.2E-12	3.0E-10	4.6E-13	3.6E-13	1.7E-07	4.2E-03

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR16	Baseline	4.3E-11	8.0E-11	1.4E-10	2.8E-02	9.8E-06	2.6E-07	9.1E-09	8.9E-07	8.3E-12	2.0E-09	3.1E-12	2.5E-12	1.1E-06	2.8E-02
	Application	4.4E-11	8.0E-11	1.4E-10	2.8E-02	9.9E-06	2.6E-07	9.2E-09	9.0E-07	8.4E-12	2.0E-09	3.1E-12	2.5E-12	1.1E-06	2.8E-02
	PDC	5.1E-11	9.4E-11	1.6E-10	3.3E-02	1.2E-05	3.0E-07	1.1E-08	1.0E-06	9.8E-12	2.3E-09	3.7E-12	2.9E-12	1.3E-06	3.3E-02
HHR17	Baseline	1.6E-11	2.9E-11	5.0E-11	1.0E-02	3.6E-06	9.4E-08	3.3E-09	3.3E-07	3.0E-12	7.3E-10	1.1E-12	9.0E-13	4.2E-07	1.0E-02
	Application	1.6E-11	2.9E-11	5.0E-11	1.0E-02	3.6E-06	9.5E-08	3.4E-09	3.3E-07	3.1E-12	7.4E-10	1.2E-12	9.1E-13	4.2E-07	1.0E-02
	PDC	2.3E-11	4.3E-11	7.4E-11	1.5E-02	5.3E-06	1.4E-07	4.9E-09	4.8E-07	4.5E-12	1.1E-09	1.7E-12	1.3E-12	6.1E-07	1.5E-02
HHR18	Baseline	1.9E-10	3.5E-10	5.9E-10	1.2E-01	4.3E-05	1.1E-06	3.9E-08	3.9E-06	3.6E-11	8.6E-09	1.4E-11	1.1E-11	4.9E-06	1.2E-01
	Application	1.9E-10	3.5E-10	5.9E-10	1.2E-01	4.3E-05	1.1E-06	3.9E-08	3.9E-06	3.6E-11	8.7E-09	1.4E-11	1.1E-11	4.9E-06	1.2E-01
	PDC	2.0E-10	3.7E-10	6.3E-10	1.3E-01	4.5E-05	1.2E-06	4.2E-08	4.1E-06	3.9E-11	9.2E-09	1.4E-11	1.1E-11	5.3E-06	1.3E-01
HHR19	Baseline	1.9E-10	3.4E-10	5.9E-10	1.2E-01	4.2E-05	1.1E-06	3.9E-08	3.8E-06	3.6E-11	8.6E-09	1.3E-11	1.1E-11	4.9E-06	1.2E-01
	Application	1.9E-10	3.4E-10	5.9E-10	1.2E-01	4.2E-05	1.1E-06	3.9E-08	3.8E-06	3.6E-11	8.6E-09	1.3E-11	1.1E-11	4.9E-06	1.2E-01
	PDC	1.9E-10	3.6E-10	6.1E-10	1.3E-01	4.4E-05	1.2E-06	4.1E-08	4.0E-06	3.7E-11	8.9E-09	1.4E-11	1.1E-11	5.1E-06	1.3E-01
HHR20	Baseline	2.2E-10	4.1E-10	7.1E-10	1.5E-01	5.1E-05	1.3E-06	4.7E-08	4.6E-06	4.3E-11	1.0E-08	1.6E-11	1.3E-11	5.9E-06	1.5E-01
	Application	2.2E-10	4.1E-10	7.1E-10	1.5E-01	5.1E-05	1.3E-06	4.7E-08	4.6E-06	4.3E-11	1.0E-08	1.6E-11	1.3E-11	5.9E-06	1.5E-01
	PDC	2.3E-10	4.3E-10	7.4E-10	1.5E-01	5.3E-05	1.4E-06	4.9E-08	4.8E-06	4.5E-11	1.1E-08	1.7E-11	1.3E-11	6.1E-06	1.5E-01
HHR21	Baseline	1.2E-10	2.2E-10	3.8E-10	7.9E-02	2.8E-05	7.2E-07	2.6E-08	2.5E-06	2.3E-11	5.6E-09	8.8E-12	6.9E-12	3.2E-06	7.9E-02
	Application	1.2E-10	2.2E-10	3.8E-10	7.9E-02	2.8E-05	7.2E-07	2.6E-08	2.5E-06	2.3E-11	5.6E-09	8.8E-12	6.9E-12	3.2E-06	7.9E-02
	PDC	1.3E-10	2.4E-10	4.1E-10	8.4E-02	2.9E-05	7.7E-07	2.7E-08	2.7E-06	2.5E-11	6.0E-09	9.3E-12	7.3E-12	3.4E-06	8.4E-02
HHR22	Baseline	6.6E-11	1.2E-10	2.1E-10	4.3E-02	1.5E-05	3.9E-07	1.4E-08	1.3E-06	1.3E-11	3.0E-09	4.7E-12	3.7E-12	1.7E-06	4.3E-02
	Application	6.6E-11	1.2E-10	2.1E-10	4.3E-02	1.5E-05	3.9E-07	1.4E-08	1.4E-06	1.3E-11	3.0E-09	4.8E-12	3.7E-12	1.7E-06	4.3E-02
	PDC	7.5E-11	1.4E-10	2.4E-10	4.9E-02	1.7E-05	4.4E-07	1.6E-08	1.5E-06	1.4E-11	3.4E-09	5.4E-12	4.3E-12	2.0E-06	4.9E-02
HHR23	Baseline	1.7E-10	3.0E-10	5.2E-10	1.1E-01	3.7E-05	9.8E-07	3.5E-08	3.4E-06	3.2E-11	7.6E-09	1.2E-11	9.4E-12	4.3E-06	1.1E-01
	Application	1.7E-10	3.0E-10	5.2E-10	1.1E-01	3.8E-05	9.8E-07	3.5E-08	3.4E-06	3.2E-11	7.6E-09	1.2E-11	9.4E-12	4.3E-06	1.1E-01
	PDC	1.8E-10	3.3E-10	5.6E-10	1.2E-01	4.0E-05	1.1E-06	3.8E-08	3.7E-06	3.4E-11	8.2E-09	1.3E-11	1.0E-11	4.7E-06	1.2E-01
HHR24	Baseline	1.7E-10	3.1E-10	5.4E-10	1.1E-01	3.9E-05	1.0E-06	3.6E-08	3.5E-06	3.3E-11	7.8E-09	1.2E-11	9.7E-12	4.5E-06	1.1E-01
	Application	1.7E-10	3.1E-10	5.4E-10	1.1E-01	3.9E-05	1.0E-06	3.6E-08	3.5E-06	3.3E-11	7.8E-09	1.2E-11	9.7E-12	4.5E-06	1.1E-01
	PDC	1.8E-10	3.4E-10	5.8E-10	1.2E-01	4.2E-05	1.1E-06	3.9E-08	3.8E-06	3.5E-11	8.5E-09	1.3E-11	1.0E-11	4.8E-06	1.2E-01
HHR25	Baseline	2.7E-11	5.0E-11	8.5E-11	1.7E-02	6.1E-06	1.6E-07	5.6E-09	5.5E-07	5.2E-12	1.2E-09	1.9E-12	1.5E-12	7.1E-07	1.7E-02
	Application	2.7E-11	5.1E-11	8.7E-11	1.8E-02	6.2E-06	1.6E-07	5.8E-09	5.7E-07	5.3E-12	1.3E-09	2.0E-12	1.6E-12	7.2E-07	1.8E-02
	PDC	3.4E-11	6.2E-11	1.1E-10	2.2E-02	7.7E-06	2.0E-07	7.1E-09	7.0E-07	6.5E-12	1.6E-09	2.5E-12	1.9E-12	8.9E-07	2.2E-02
HHR26	Baseline	1.3E-11	2.3E-11	4.0E-11	8.2E-03	2.9E-06	7.5E-08	2.7E-09	2.6E-07	2.4E-12	5.8E-10	9.1E-13	7.2E-13	3.3E-07	8.2E-03
	Application	1.3E-11	2.5E-11	4.2E-11	8.7E-03	3.0E-06	8.0E-08	2.8E-09	2.8E-07	2.6E-12	6.2E-10	9.7E-13	7.6E-13	3.5E-07	8.7E-03
	PDC	1.8E-11	3.4E-11	5.8E-11	1.2E-02	4.1E-06	1.1E-07	3.8E-09	3.8E-07	3.5E-12	8.4E-10	1.3E-12	1.0E-12	4.8E-07	1.2E-02
HHR27	Baseline	8.4E-12	1.5E-11	2.6E-11	5.5E-03	1.9E-06	5.0E-08	1.8E-09	1.7E-07	1.6E-12	3.9E-10	6.1E-13	4.8E-13	2.2E-07	5.5E-03
	Application	9.1E-12	1.7E-11	2.9E-11	5.9E-03	2.1E-06	5.4E-08	1.9E-09	1.9E-07	1.7E-12	4.2E-10	6.6E-13	5.2E-13	2.4E-07	5.9E-03
	PDC	1.3E-11	2.4E-11	4.1E-11	8.5E-03	3.0E-06	7.8E-08	2.8E-09	2.7E-07	2.5E-12	6.0E-10	9.5E-13	7.4E-13	3.4E-07	8.5E-03
HHR28	Baseline	7.0E-12	1.3E-11	2.2E-11	4.5E-03	1.6E-06	4.1E-08	1.5E-09	1.4E-07	1.3E-12	3.2E-10	5.1E-13	4.0E-13	1.8E-07	4.6E-03
	Application	7.3E-12	1.3E-11	2.3E-11	4.7E-03	1.6E-06	4.3E-08	1.5E-09	1.5E-07	1.4E-12	3.3E-10	5.2E-13	4.1E-13	1.9E-07	4.7E-03
	PDC	1.1E-11	2.0E-11	3.4E-11	7.0E-03	2.5E-06	6.4E-08	2.3E-09	2.2E-07	2.1E-12	5.0E-10	7.8E-13	6.1E-13	2.8E-07	7.0E-03
HHR29	Baseline	2.7E-10	5.0E-10	8.6E-10	1.8E-01	6.2E-05	1.6E-06	5.8E-08	5.6E-06	5.3E-11	1.3E-08	2.0E-11	1.6E-11	7.2E-06	1.8E-01
	Application	2.7E-10	5.0E-10	8.6E-10	1.8E-01	6.2E-05	1.6E-06	5.8E-08	5.6E-06	5.3E-11	1.3E-08	2.0E-11	1.6E-11	7.2E-06	1.8E-01
	PDC	2.9E-10	5.4E-10	9.3E-10	1.9E-01	6.7E-05	1.7E-06	6.2E-08	6.1E-06	5.7E-11	1.4E-08	2.1E-11	1.7E-11	7.7E-06	1.9E-01
HHR30	Baseline	2.2E-11	4.1E-11	7.0E-11	1.5E-02	5.1E-06	1.3E-07	4.7E-09	4.6E-07	4.3E-12	1.0E-09	1.6E-12	1.3E-12	5.9E-07	1.5E-02
	Application	2.3E-11	4.2E-11	7.1E-11	1.5E-02	5.1E-06	1.3E-07	4.7E-09	4.6E-07	4.3E-12	1.0E-09	1.6E-12	1.3E-12	5.9E-07	1.5E-02
	PDC	4.6E-11	8.4E-11	1.4E-10	3.0E-02	1.0E-05	2.7E-07	9.6E-09	9.4E-07	8.8E-12	2.1E-09	3.3E-12	2.6E-12	1.2E-06	3.0E-02
HHR31	Baseline	9.6E-10	1.8E-09	3.0E-09	6.2E-01	2.2E-04	5.7E-06	2.0E-07	2.0E-05	1.8E-10	4.4E-08	6.9E-11	5.4E-11	2.5E-05	6.2E-01
	Application	9.6E-10	1.8E-09	3.0E-09	6.2E-01	2.2E-04	5.7E-06	2.0E-07	2.0E-05	1.8E-10	4.4E-08	6.9E-11	5.4E-11	2.5E-05	6.2E-01
	PDC	9.8E-10	1.8E-09	3.1E-09	6.3E-01	2.2E-04	5.8E-06	2.0E-07	2.0E-05	1.9E-10	4.5E-08	7.1E-11	5.5E-11	2.6E-05	6.3E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR32	Baseline	5.4E-10	1.0E-09	1.7E-09	3.5E-01	1.2E-04	3.2E-06	1.1E-07	1.1E-05	1.0E-10	2.5E-08	3.9E-11	3.1E-11	1.4E-05	3.5E-01
	Application	5.4E-10	1.0E-09	1.7E-09	3.5E-01	1.2E-04	3.2E-06	1.1E-07	1.1E-05	1.0E-10	2.5E-08	3.9E-11	3.1E-11	1.4E-05	3.5E-01
	PDC	5.6E-10	1.0E-09	1.8E-09	3.6E-01	1.3E-04	3.3E-06	1.2E-07	1.2E-05	1.1E-10	2.6E-08	4.1E-11	3.2E-11	1.5E-05	3.6E-01
HHR33	Baseline	5.3E-10	9.7E-10	1.7E-09	3.4E-01	1.2E-04	3.1E-06	1.1E-07	1.1E-05	1.0E-10	2.4E-08	3.8E-11	3.0E-11	1.4E-05	3.4E-01
	Application	5.3E-10	9.7E-10	1.7E-09	3.4E-01	1.2E-04	3.1E-06	1.1E-07	1.1E-05	1.0E-10	2.4E-08	3.8E-11	3.0E-11	1.4E-05	3.4E-01
	PDC	5.5E-10	1.0E-09	1.7E-09	3.5E-01	1.2E-04	3.2E-06	1.1E-07	1.1E-05	1.0E-10	2.5E-08	3.9E-11	3.1E-11	1.4E-05	3.5E-01
HHR34	Baseline	4.2E-11	7.7E-11	1.3E-10	2.7E-02	9.5E-06	2.5E-07	8.8E-09	8.6E-07	8.0E-12	1.9E-09	3.0E-12	2.4E-12	1.1E-06	2.7E-02
	Application	4.2E-11	7.7E-11	1.3E-10	2.7E-02	9.5E-06	2.5E-07	8.8E-09	8.6E-07	8.1E-12	1.9E-09	3.0E-12	2.4E-12	1.1E-06	2.7E-02
	PDC	4.9E-11	9.1E-11	1.6E-10	3.2E-02	1.1E-05	2.9E-07	1.0E-08	1.0E-06	9.5E-12	2.3E-09	3.6E-12	2.8E-12	1.3E-06	3.2E-02
HHR35	Baseline	4.4E-10	8.2E-10	1.4E-09	2.9E-01	1.0E-04	2.6E-06	9.3E-08	9.1E-06	8.5E-11	2.0E-08	3.2E-11	2.5E-11	1.2E-05	2.9E-01
	Application	4.4E-10	8.2E-10	1.4E-09	2.9E-01	1.0E-04	2.6E-06	9.3E-08	9.1E-06	8.5E-11	2.0E-08	3.2E-11	2.5E-11	1.2E-05	2.9E-01
	PDC	4.6E-10	8.5E-10	1.4E-09	3.0E-01	1.0E-04	2.7E-06	9.7E-08	9.5E-06	8.8E-11	2.1E-08	3.3E-11	2.6E-11	1.2E-05	3.0E-01
HHR36	Baseline	2.7E-10	4.9E-10	8.4E-10	1.7E-01	6.1E-05	1.6E-06	5.6E-08	5.5E-06	5.1E-11	1.2E-08	1.9E-11	1.5E-11	7.0E-06	1.7E-01
	Application	2.7E-10	4.9E-10	8.4E-10	1.7E-01	6.1E-05	1.6E-06	5.6E-08	5.5E-06	5.1E-11	1.2E-08	1.9E-11	1.5E-11	7.0E-06	1.7E-01
	PDC	2.8E-10	5.2E-10	8.9E-10	1.8E-01	6.4E-05	1.7E-06	5.9E-08	5.8E-06	5.4E-11	1.3E-08	2.0E-11	1.6E-11	7.4E-06	1.8E-01
HHR37	Baseline	3.0E-11	5.6E-11	9.5E-11	2.0E-02	6.9E-06	1.8E-07	6.3E-09	6.2E-07	5.8E-12	1.4E-09	2.2E-12	1.7E-12	7.9E-07	2.0E-02
	Application	3.1E-11	5.6E-11	9.6E-11	2.0E-02	6.9E-06	1.8E-07	6.4E-09	6.3E-07	5.9E-12	1.4E-09	2.2E-12	1.7E-12	8.0E-07	2.0E-02
	PDC	2.0E-10	3.7E-10	6.3E-10	1.3E-01	4.5E-05	1.2E-06	4.2E-08	4.1E-06	3.8E-11	9.2E-09	1.4E-11	1.1E-11	5.2E-06	1.3E-01
HHR38	Baseline	1.7E-10	3.1E-10	5.2E-10	1.1E-01	3.8E-05	9.8E-07	3.5E-08	3.4E-06	3.2E-11	7.6E-09	1.2E-11	9.4E-12	4.4E-06	1.1E-01
	Application	1.7E-10	3.1E-10	5.2E-10	1.1E-01	3.8E-05	9.9E-07	3.5E-08	3.4E-06	3.2E-11	7.7E-09	1.2E-11	9.4E-12	4.4E-06	1.1E-01
	PDC	1.8E-10	3.4E-10	5.7E-10	1.2E-01	4.1E-05	1.1E-06	3.8E-08	3.8E-06	3.5E-11	8.4E-09	1.3E-11	1.0E-11	4.8E-06	1.2E-01
HHR39	Baseline	1.6E-11	3.0E-11	5.1E-11	1.1E-02	3.7E-06	9.6E-08	3.4E-09	3.3E-07	3.1E-12	7.4E-10	1.2E-12	9.2E-13	4.2E-07	1.1E-02
	Application	1.6E-11	3.0E-11	5.2E-11	1.1E-02	3.7E-06	9.7E-08	3.4E-09	3.4E-07	3.2E-12	7.6E-10	1.2E-12	9.3E-13	4.3E-07	1.1E-02
	PDC	2.5E-11	4.6E-11	7.9E-11	1.6E-02	5.7E-06	1.5E-07	5.3E-09	5.2E-07	4.8E-12	1.2E-09	1.8E-12	1.4E-12	6.6E-07	1.6E-02
HHR40	Baseline	1.5E-11	2.8E-11	4.7E-11	9.7E-03	3.4E-06	8.9E-08	3.1E-09	3.1E-07	2.9E-12	6.9E-10	1.1E-12	8.5E-13	3.9E-07	9.7E-03
	Application	1.5E-11	2.8E-11	4.8E-11	9.9E-03	3.4E-06	9.0E-08	3.2E-09	3.1E-07	2.9E-12	7.0E-10	1.1E-12	8.6E-13	4.0E-07	9.9E-03
	PDC	2.3E-11	4.2E-11	7.1E-11	1.5E-02	5.1E-06	1.3E-07	4.7E-09	4.7E-07	4.3E-12	1.0E-09	1.6E-12	1.3E-12	5.9E-07	1.5E-02
HHR41	Baseline	1.9E-11	3.5E-11	6.1E-11	1.2E-02	4.4E-06	1.1E-07	4.0E-09	4.0E-07	3.7E-12	8.8E-10	1.4E-12	1.1E-12	5.0E-07	1.2E-02
	Application	1.9E-11	3.6E-11	6.1E-11	1.3E-02	4.4E-06	1.2E-07	4.1E-09	4.0E-07	3.7E-12	8.9E-10	1.4E-12	1.1E-12	5.1E-07	1.3E-02
	PDC	3.0E-11	5.5E-11	9.5E-11	2.0E-02	6.8E-06	1.8E-07	6.3E-09	6.2E-07	5.8E-12	1.4E-09	2.2E-12	1.7E-12	7.9E-07	2.0E-02
HHR42	Baseline	4.7E-11	8.6E-11	1.5E-10	3.0E-02	1.1E-05	2.8E-07	9.8E-09	9.6E-07	9.0E-12	2.1E-09	3.4E-12	2.6E-12	1.2E-06	3.0E-02
	Application	4.7E-11	8.6E-11	1.5E-10	3.0E-02	1.1E-05	2.8E-07	9.8E-09	9.6E-07	9.0E-12	2.2E-09	3.4E-12	2.7E-12	1.2E-06	3.0E-02
	PDC	5.4E-11	1.0E-10	1.7E-10	3.5E-02	1.2E-05	3.2E-07	1.1E-08	1.1E-06	1.0E-11	2.5E-09	3.9E-12	3.1E-12	1.4E-06	3.5E-02
HHR43	Baseline	1.1E-10	2.0E-10	3.3E-10	6.9E-02	2.4E-05	6.3E-07	2.2E-08	2.2E-06	2.0E-11	4.9E-09	7.7E-12	6.0E-12	2.8E-06	6.9E-02
	Application	1.1E-10	2.0E-10	3.4E-10	6.9E-02	2.4E-05	6.3E-07	2.2E-08	2.2E-06	2.0E-11	4.9E-09	7.7E-12	6.1E-12	2.8E-06	6.9E-02
	PDC	1.2E-10	2.2E-10	3.7E-10	7.7E-02	2.7E-05	7.0E-07	2.5E-08	2.4E-06	2.3E-11	5.5E-09	8.6E-12	6.7E-12	3.1E-06	7.7E-02
HHR44	Baseline	1.5E-10	2.8E-10	4.8E-10	9.9E-02	3.5E-05	9.0E-07	3.2E-08	3.1E-06	2.9E-11	7.0E-09	1.1E-11	8.6E-12	4.0E-06	9.9E-02
	Application	1.5E-10	2.8E-10	4.8E-10	9.9E-02	3.5E-05	9.0E-07	3.2E-08	3.1E-06	2.9E-11	7.0E-09	1.1E-11	8.7E-12	4.0E-06	9.9E-02
	PDC	1.6E-10	3.0E-10	5.2E-10	1.1E-01	3.7E-05	9.8E-07	3.5E-08	3.4E-06	3.2E-11	7.6E-09	1.2E-11	9.3E-12	4.3E-06	1.1E-01
HHR45	Baseline	5.7E-12	1.0E-11	1.8E-11	3.7E-03	1.3E-06	3.4E-08	1.2E-09	1.2E-07	1.1E-12	2.6E-10	4.1E-13	3.2E-13	1.5E-07	3.7E-03
	Application	5.9E-12	1.1E-11	1.9E-11	3.8E-03	1.3E-06	3.5E-08	1.2E-09	1.2E-07	1.1E-12	2.7E-10	4.3E-13	3.4E-13	1.6E-07	3.8E-03
	PDC	8.7E-12	1.6E-11	2.7E-11	5.7E-03	2.0E-06	5.2E-08	1.8E-09	1.8E-07	1.7E-12	4.0E-10	6.3E-13	4.9E-13	2.3E-07	5.7E-03
HHR46	Baseline	1.1E-11	2.0E-11	3.4E-11	7.0E-03	2.4E-06	6.4E-08	2.3E-09	2.2E-07	2.1E-12	4.9E-10	7.8E-13	6.1E-13	2.8E-07	7.0E-03
	Application	1.1E-11	2.1E-11	3.5E-11	7.3E-03	2.5E-06	6.6E-08	2.3E-09	2.3E-07	2.1E-12	5.1E-10	8.1E-13	6.3E-13	2.9E-07	7.3E-03
	PDC	1.9E-11	3.5E-11	6.1E-11	1.3E-02	4.4E-06	1.1E-07	4.0E-09	4.0E-07	3.7E-12	8.9E-10	1.4E-12	1.1E-12	5.1E-07	1.3E-02
HHR47	Baseline	1.3E-11	2.4E-11	4.1E-11	8.5E-03	3.0E-06	7.8E-08	2.7E-09	2.7E-07	2.5E-12	6.0E-10	9.5E-13	7.4E-13	3.4E-07	8.5E-03
	Application	1.3E-11	2.5E-11	4.2E-11	8.8E-03	3.1E-06	8.0E-08	2.8E-09	2.8E-07	2.6E-12	6.2E-10	9.7E-13	7.6E-13	3.5E-07	8.8E-03
	PDC	2.2E-11	4.0E-11	6.8E-11	1.4E-02	4.9E-06	1.3E-07	4.5E-09	4.4E-07	4.1E-12	9.9E-10	1.6E-12	1.2E-12	5.7E-07	1.4E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR48	Baseline	1.4E-11	2.5E-11	4.3E-11	9.0E-03	3.1E-06	8.2E-08	2.9E-09	2.8E-07	2.6E-12	6.3E-10	1.0E-12	7.8E-13	3.6E-07	9.0E-03
	Application	1.4E-11	2.6E-11	4.4E-11	9.1E-03	3.2E-06	8.3E-08	2.9E-09	2.9E-07	2.7E-12	6.4E-10	1.0E-12	8.0E-13	3.7E-07	9.1E-03
	PDC	2.1E-11	3.8E-11	6.6E-11	1.4E-02	4.7E-06	1.2E-07	4.4E-09	4.3E-07	4.0E-12	9.6E-10	1.5E-12	1.2E-12	5.5E-07	1.4E-02
HHR49	Baseline	9.9E-12	1.8E-11	3.1E-11	6.4E-03	2.2E-06	5.8E-08	2.1E-09	2.0E-07	1.9E-12	4.5E-10	7.1E-13	5.6E-13	2.6E-07	6.4E-03
	Application	1.0E-11	1.9E-11	3.3E-11	6.7E-03	2.3E-06	6.1E-08	2.2E-09	2.1E-07	2.0E-12	4.8E-10	7.5E-13	5.9E-13	2.7E-07	6.7E-03
	PDC	1.8E-11	3.2E-11	5.6E-11	1.1E-02	4.0E-06	1.0E-07	3.7E-09	3.6E-07	3.4E-12	8.1E-10	1.3E-12	1.0E-12	4.6E-07	1.1E-02
HHR50	Baseline	1.4E-11	2.6E-11	4.5E-11	9.2E-03	3.2E-06	8.4E-08	3.0E-09	2.9E-07	2.7E-12	6.5E-10	1.0E-12	8.1E-13	3.7E-07	9.2E-03
	Application	1.5E-11	2.7E-11	4.6E-11	9.5E-03	3.3E-06	8.6E-08	3.1E-09	3.0E-07	2.8E-12	6.7E-10	1.1E-12	8.3E-13	3.8E-07	9.5E-03
	PDC	2.3E-11	4.2E-11	7.1E-11	1.5E-02	5.1E-06	1.3E-07	4.7E-09	4.7E-07	4.3E-12	1.0E-09	1.6E-12	1.3E-12	5.9E-07	1.5E-02
HHR51	Baseline	8.8E-12	1.6E-11	2.8E-11	5.7E-03	2.0E-06	5.2E-08	1.9E-09	1.8E-07	1.7E-12	4.1E-10	6.4E-13	5.0E-13	2.3E-07	5.7E-03
	Application	9.3E-12	1.7E-11	2.9E-11	6.0E-03	2.1E-06	5.5E-08	2.0E-09	1.9E-07	1.8E-12	4.3E-10	6.7E-13	5.3E-13	2.4E-07	6.1E-03
	PDC	1.5E-11	2.8E-11	4.8E-11	9.9E-03	3.5E-06	9.0E-08	3.2E-09	3.1E-07	2.9E-12	7.0E-10	1.1E-12	8.7E-13	4.0E-07	9.9E-03
HHR52	Baseline	5.0E-11	9.2E-11	1.6E-10	3.3E-02	1.1E-05	3.0E-07	1.1E-08	1.0E-06	9.7E-12	2.3E-09	3.6E-12	2.9E-12	1.3E-06	3.3E-02
	Application	5.0E-11	9.3E-11	1.6E-10	3.3E-02	1.1E-05	3.0E-07	1.1E-08	1.0E-06	9.7E-12	2.3E-09	3.6E-12	2.9E-12	1.3E-06	3.3E-02
	PDC	6.0E-11	1.1E-10	1.9E-10	3.9E-02	1.4E-05	3.6E-07	1.3E-08	1.2E-06	1.2E-11	2.8E-09	4.4E-12	3.4E-12	1.6E-06	3.9E-02
HHR53	Baseline	1.3E-11	2.5E-11	4.2E-11	8.8E-03	3.1E-06	8.0E-08	2.8E-09	2.8E-07	2.6E-12	6.2E-10	9.7E-13	7.6E-13	3.5E-07	8.8E-03
	Application	1.4E-11	2.6E-11	4.4E-11	9.0E-03	3.2E-06	8.3E-08	2.9E-09	2.9E-07	2.7E-12	6.4E-10	1.0E-12	7.9E-13	3.7E-07	9.1E-03
	PDC	2.5E-11	4.7E-11	8.0E-11	1.6E-02	5.7E-06	1.5E-07	5.3E-09	5.2E-07	4.9E-12	1.2E-09	1.8E-12	1.4E-12	6.6E-07	1.6E-02
HHR54	Baseline	4.9E-11	9.1E-11	1.5E-10	3.2E-02	1.1E-05	2.9E-07	1.0E-08	1.0E-06	9.5E-12	2.3E-09	3.6E-12	2.8E-12	1.3E-06	3.2E-02
	Application	4.9E-11	9.1E-11	1.6E-10	3.2E-02	1.1E-05	2.9E-07	1.0E-08	1.0E-06	9.5E-12	2.3E-09	3.6E-12	2.8E-12	1.3E-06	3.2E-02
	PDC	6.0E-11	1.1E-10	1.9E-10	3.9E-02	1.4E-05	3.6E-07	1.3E-08	1.2E-06	1.2E-11	2.8E-09	4.3E-12	3.4E-12	1.6E-06	3.9E-02
HHR55	Baseline	1.6E-11	3.0E-11	5.1E-11	1.1E-02	3.7E-06	9.6E-08	3.4E-09	3.3E-07	3.1E-12	7.4E-10	1.2E-12	9.2E-13	4.2E-07	1.1E-02
	Application	1.6E-11	3.0E-11	5.2E-11	1.1E-02	3.7E-06	9.8E-08	3.5E-09	3.4E-07	3.2E-12	7.6E-10	1.2E-12	9.4E-13	4.3E-07	1.1E-02
	PDC	2.4E-11	4.4E-11	7.6E-11	1.6E-02	5.5E-06	1.4E-07	5.1E-09	5.0E-07	4.6E-12	1.1E-09	1.7E-12	1.4E-12	6.3E-07	1.6E-02
HHR56	Baseline	2.5E-11	4.7E-11	8.0E-11	1.7E-02	5.8E-06	1.5E-07	5.3E-09	5.2E-07	4.9E-12	1.2E-09	1.8E-12	1.4E-12	6.7E-07	1.7E-02
	Application	2.6E-11	4.7E-11	8.1E-11	1.7E-02	5.8E-06	1.5E-07	5.4E-09	5.3E-07	4.9E-12	1.2E-09	1.9E-12	1.5E-12	6.8E-07	1.7E-02
	PDC	3.8E-11	6.9E-11	1.2E-10	2.5E-02	8.5E-06	2.2E-07	7.9E-09	7.8E-07	7.3E-12	1.7E-09	2.7E-12	2.1E-12	9.9E-07	2.5E-02
HHR57	Baseline	2.8E-11	5.1E-11	8.8E-11	1.8E-02	6.3E-06	1.6E-07	5.8E-09	5.7E-07	5.3E-12	1.3E-09	2.0E-12	1.6E-12	7.3E-07	1.8E-02
	Application	2.8E-11	5.2E-11	8.8E-11	1.8E-02	6.4E-06	1.7E-07	5.9E-09	5.8E-07	5.4E-12	1.3E-09	2.0E-12	1.6E-12	7.4E-07	1.8E-02
	PDC	4.4E-11	8.1E-11	1.4E-10	2.8E-02	9.9E-06	2.6E-07	9.2E-09	9.0E-07	8.4E-12	2.0E-09	3.2E-12	2.5E-12	1.1E-06	2.8E-02
HHR58	Baseline	6.6E-12	1.2E-11	2.1E-11	4.3E-03	1.5E-06	3.9E-08	1.4E-09	1.4E-07	1.3E-12	3.0E-10	4.8E-13	3.8E-13	1.7E-07	4.3E-03
	Application	7.2E-12	1.3E-11	2.3E-11	4.6E-03	1.6E-06	4.2E-08	1.5E-09	1.5E-07	1.4E-12	3.3E-10	5.2E-13	4.1E-13	1.9E-07	4.6E-03
	PDC	1.0E-11	1.9E-11	3.2E-11	6.7E-03	2.3E-06	6.1E-08	2.2E-09	2.1E-07	2.0E-12	4.7E-10	7.4E-13	5.9E-13	2.7E-07	6.7E-03
HHR59	Baseline	6.6E-12	1.2E-11	2.1E-11	4.3E-03	1.5E-06	3.9E-08	1.4E-09	1.3E-07	1.3E-12	3.0E-10	4.7E-13	3.7E-13	1.7E-07	4.3E-03
	Application	7.1E-12	1.3E-11	2.2E-11	4.6E-03	1.6E-06	4.2E-08	1.5E-09	1.5E-07	1.4E-12	3.3E-10	5.1E-13	4.0E-13	1.9E-07	4.6E-03
	PDC	1.0E-11	1.9E-11	3.2E-11	6.6E-03	2.3E-06	6.1E-08	2.1E-09	2.1E-07	2.0E-12	4.7E-10	7.4E-13	5.8E-13	2.7E-07	6.6E-03
HHR60	Baseline	7.6E-12	1.4E-11	2.4E-11	4.9E-03	1.7E-06	4.5E-08	1.6E-09	1.6E-07	1.5E-12	3.5E-10	5.5E-13	4.3E-13	2.0E-07	4.9E-03
	Application	8.3E-12	1.5E-11	2.6E-11	5.4E-03	1.9E-06	4.9E-08	1.7E-09	1.7E-07	1.6E-12	3.8E-10	6.0E-13	4.7E-13	2.2E-07	5.4E-03
	PDC	1.2E-11	2.2E-11	3.8E-11	7.8E-03	2.7E-06	7.1E-08	2.5E-09	2.5E-07	2.3E-12	5.5E-10	8.7E-13	6.8E-13	3.2E-07	7.8E-03
HHR61	Baseline	3.1E-11	5.7E-11	9.7E-11	2.0E-02	7.0E-06	1.8E-07	6.5E-09	6.4E-07	5.9E-12	1.4E-09	2.2E-12	1.8E-12	8.1E-07	2.0E-02
	Application	3.1E-11	5.8E-11	9.8E-11	2.0E-02	7.1E-06	1.9E-07	6.6E-09	6.4E-07	6.0E-12	1.4E-09	2.3E-12	1.8E-12	8.2E-07	2.0E-02
	PDC	4.9E-11	9.1E-11	1.6E-10	3.2E-02	1.1E-05	2.9E-07	1.0E-08	1.0E-06	9.5E-12	2.3E-09	3.6E-12	2.8E-12	1.3E-06	3.2E-02
HHR62	Baseline	3.5E-11	6.4E-11	1.1E-10	2.3E-02	7.9E-06	2.1E-07	7.3E-09	7.2E-07	6.7E-12	1.6E-09	2.5E-12	2.0E-12	9.2E-07	2.3E-02
	Application	3.5E-11	6.5E-11	1.1E-10	2.3E-02	8.0E-06	2.1E-07	7.4E-09	7.2E-07	6.8E-12	1.6E-09	2.5E-12	2.0E-12	9.2E-07	2.3E-02
	PDC	5.2E-11	9.5E-11	1.6E-10	3.4E-02	1.2E-05	3.1E-07	1.1E-08	1.1E-06	9.9E-12	2.4E-09	3.7E-12	2.9E-12	1.4E-06	3.4E-02
HHR63	Baseline	4.5E-11	8.2E-11	1.4E-10	2.9E-02	1.0E-05	2.7E-07	9.4E-09	9.2E-07	8.6E-12	2.1E-09	3.2E-12	2.5E-12	1.2E-06	2.9E-02
	Application	4.5E-11	8.3E-11	1.4E-10	2.9E-02	1.0E-05	2.7E-07	9.5E-09	9.3E-07	8.7E-12	2.1E-09	3.3E-12	2.6E-12	1.2E-06	2.9E-02
	PDC	5.9E-11	1.1E-10	1.9E-10	3.8E-02	1.3E-05	3.5E-07	1.2E-08	1.2E-06	1.1E-11	2.7E-09	4.2E-12	3.3E-12	1.5E-06	3.8E-02

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR64	Baseline	3.2E-11	5.9E-11	1.0E-10	2.1E-02	7.2E-06	1.9E-07	6.7E-09	6.5E-07	6.1E-12	1.5E-09	2.3E-12	1.8E-12	8.4E-07	2.1E-02
	Application	3.2E-11	5.9E-11	1.0E-10	2.1E-02	7.3E-06	1.9E-07	6.7E-09	6.6E-07	6.2E-12	1.5E-09	2.3E-12	1.8E-12	8.4E-07	2.1E-02
	PDC	4.0E-11	7.3E-11	1.2E-10	2.6E-02	9.0E-06	2.4E-07	8.3E-09	8.2E-07	7.6E-12	1.8E-09	2.9E-12	2.3E-12	1.0E-06	2.6E-02
HHR65	Baseline	6.2E-11	1.1E-10	2.0E-10	4.1E-02	1.4E-05	3.7E-07	1.3E-08	1.3E-06	1.2E-11	2.9E-09	4.5E-12	3.5E-12	1.6E-06	4.1E-02
	Application	6.3E-11	1.2E-10	2.0E-10	4.1E-02	1.4E-05	3.7E-07	1.3E-08	1.3E-06	1.2E-11	2.9E-09	4.5E-12	3.6E-12	1.6E-06	4.1E-02
	PDC	7.5E-11	1.4E-10	2.4E-10	4.9E-02	1.7E-05	4.5E-07	1.6E-08	1.5E-06	1.4E-11	3.5E-09	5.4E-12	4.3E-12	2.0E-06	4.9E-02
HHR66	Baseline	8.7E-12	1.6E-11	2.7E-11	5.6E-03	2.0E-06	5.1E-08	1.8E-09	1.8E-07	1.7E-12	4.0E-10	6.3E-13	4.9E-13	2.3E-07	5.6E-03
	Application	9.4E-12	1.7E-11	3.0E-11	6.1E-03	2.1E-06	5.6E-08	2.0E-09	1.9E-07	1.8E-12	4.3E-10	6.8E-13	5.3E-13	2.5E-07	6.1E-03
	PDC	1.4E-11	2.5E-11	4.3E-11	8.8E-03	3.1E-06	8.1E-08	2.9E-09	2.8E-07	2.6E-12	6.3E-10	9.8E-13	7.7E-13	3.6E-07	8.8E-03
HHR67	Baseline	1.2E-11	2.2E-11	3.8E-11	7.7E-03	2.7E-06	7.1E-08	2.5E-09	2.5E-07	2.3E-12	5.5E-10	8.6E-13	6.8E-13	3.1E-07	7.7E-03
	Application	1.3E-11	2.4E-11	4.0E-11	8.3E-03	2.9E-06	7.6E-08	2.7E-09	2.6E-07	2.5E-12	5.9E-10	9.3E-13	7.3E-13	3.4E-07	8.3E-03
	PDC	1.8E-11	3.3E-11	5.7E-11	1.2E-02	4.1E-06	1.1E-07	3.8E-09	3.7E-07	3.5E-12	8.4E-10	1.3E-12	1.0E-12	4.8E-07	1.2E-02
HHR68	Baseline	2.1E-11	3.8E-11	6.6E-11	1.4E-02	4.7E-06	1.2E-07	4.4E-09	4.3E-07	4.0E-12	9.6E-10	1.5E-12	1.2E-12	5.5E-07	1.4E-02
	Application	2.1E-11	4.0E-11	6.8E-11	1.4E-02	4.9E-06	1.3E-07	4.5E-09	4.4E-07	4.1E-12	9.9E-10	1.6E-12	1.2E-12	5.6E-07	1.4E-02
	PDC	2.7E-11	5.0E-11	8.6E-11	1.8E-02	6.2E-06	1.6E-07	5.7E-09	5.6E-07	5.2E-12	1.3E-09	2.0E-12	1.5E-12	7.2E-07	1.8E-02
HHR69	Baseline	1.1E-11	2.1E-11	3.6E-11	7.4E-03	2.6E-06	6.7E-08	2.4E-09	2.3E-07	2.2E-12	5.2E-10	8.2E-13	6.5E-13	3.0E-07	7.4E-03
	Application	1.2E-11	2.1E-11	3.7E-11	7.5E-03	2.6E-06	6.9E-08	2.4E-09	2.4E-07	2.2E-12	5.3E-10	8.4E-13	6.6E-13	3.0E-07	7.5E-03
	PDC	1.7E-11	3.1E-11	5.3E-11	1.1E-02	3.8E-06	1.0E-07	3.6E-09	3.5E-07	3.3E-12	7.8E-10	1.2E-12	9.6E-13	4.4E-07	1.1E-02
HHR70	Baseline	1.4E-11	2.6E-11	4.4E-11	9.0E-03	3.1E-06	8.2E-08	2.9E-09	2.9E-07	2.7E-12	6.4E-10	1.0E-12	7.9E-13	3.6E-07	9.0E-03
	Application	1.4E-11	2.6E-11	4.5E-11	9.2E-03	3.2E-06	8.4E-08	3.0E-09	2.9E-07	2.7E-12	6.5E-10	1.0E-12	8.0E-13	3.7E-07	9.2E-03
	PDC	2.1E-11	3.9E-11	6.8E-11	1.4E-02	4.9E-06	1.3E-07	4.5E-09	4.4E-07	4.1E-12	9.9E-10	1.5E-12	1.2E-12	5.6E-07	1.4E-02
HHR71	Baseline	2.1E-10	3.8E-10	6.6E-10	1.4E-01	4.7E-05	1.2E-06	4.4E-08	4.3E-06	4.0E-11	9.6E-09	1.5E-11	1.2E-11	5.5E-06	1.4E-01
	Application	2.1E-10	3.8E-10	6.6E-10	1.4E-01	4.7E-05	1.2E-06	4.4E-08	4.3E-06	4.0E-11	9.6E-09	1.5E-11	1.2E-11	5.5E-06	1.4E-01
	PDC	2.2E-10	4.1E-10	7.0E-10	1.4E-01	5.0E-05	1.3E-06	4.7E-08	4.6E-06	4.3E-11	1.0E-08	1.6E-11	1.3E-11	5.8E-06	1.4E-01
HHR72	Baseline	5.0E-12	9.2E-12	1.6E-11	3.2E-03	1.1E-06	3.0E-08	1.0E-09	1.0E-07	9.6E-13	2.3E-10	3.6E-13	2.8E-13	1.3E-07	3.2E-03
	Application	5.4E-12	9.9E-12	1.7E-11	3.5E-03	1.2E-06	3.2E-08	1.1E-09	1.1E-07	1.0E-12	2.5E-10	3.9E-13	3.0E-13	1.4E-07	3.5E-03
	PDC	7.8E-12	1.4E-11	2.5E-11	5.1E-03	1.8E-06	4.6E-08	1.6E-09	1.6E-07	1.5E-12	3.6E-10	5.7E-13	4.5E-13	2.1E-07	5.1E-03
HHR73	Baseline	5.0E-11	9.2E-11	1.6E-10	3.2E-02	1.1E-05	3.0E-07	1.0E-08	1.0E-06	9.6E-12	2.3E-09	3.6E-12	2.8E-12	1.3E-06	3.2E-02
	Application	5.0E-11	9.3E-11	1.6E-10	3.3E-02	1.1E-05	3.0E-07	1.1E-08	1.0E-06	9.7E-12	2.3E-09	3.6E-12	2.9E-12	1.3E-06	3.3E-02
	PDC	5.9E-11	1.1E-10	1.9E-10	3.8E-02	1.3E-05	3.5E-07	1.2E-08	1.2E-06	1.1E-11	2.7E-09	4.3E-12	3.4E-12	1.6E-06	3.8E-02
HHR74	Baseline	2.1E-10	3.8E-10	6.6E-10	1.4E-01	4.7E-05	1.2E-06	4.4E-08	4.3E-06	4.0E-11	9.6E-09	1.5E-11	1.2E-11	5.5E-06	1.4E-01
	Application	2.1E-10	3.8E-10	6.6E-10	1.4E-01	4.7E-05	1.2E-06	4.4E-08	4.3E-06	4.0E-11	9.6E-09	1.5E-11	1.2E-11	5.5E-06	1.4E-01
	PDC	2.2E-10	4.0E-10	6.9E-10	1.4E-01	5.0E-05	1.3E-06	4.6E-08	4.5E-06	4.2E-11	1.0E-08	1.6E-11	1.2E-11	5.8E-06	1.4E-01
HHR75	Baseline	1.5E-10	2.8E-10	4.9E-10	1.0E-01	3.5E-05	9.2E-07	3.2E-08	3.2E-06	3.0E-11	7.1E-09	1.1E-11	8.8E-12	4.1E-06	1.0E-01
	Application	1.6E-10	2.9E-10	4.9E-10	1.0E-01	3.5E-05	9.2E-07	3.3E-08	3.2E-06	3.0E-11	7.1E-09	1.1E-11	8.8E-12	4.1E-06	1.0E-01
	PDC	1.7E-10	3.1E-10	5.3E-10	1.1E-01	3.8E-05	9.9E-07	3.5E-08	3.4E-06	3.2E-11	7.7E-09	1.2E-11	9.5E-12	4.4E-06	1.1E-01
HHR76	Baseline	2.0E-10	3.7E-10	6.3E-10	1.3E-01	4.5E-05	1.2E-06	4.2E-08	4.1E-06	3.8E-11	9.1E-09	1.4E-11	1.1E-11	5.2E-06	1.3E-01
	Application	2.0E-10	3.7E-10	6.3E-10	1.3E-01	4.5E-05	1.2E-06	4.2E-08	4.1E-06	3.8E-11	9.1E-09	1.4E-11	1.1E-11	5.2E-06	1.3E-01
	PDC	2.1E-10	3.8E-10	6.5E-10	1.3E-01	4.7E-05	1.2E-06	4.4E-08	4.3E-06	4.0E-11	9.6E-09	1.5E-11	1.2E-11	5.4E-06	1.3E-01
HHR77	Baseline	1.1E-10	2.0E-10	3.5E-10	7.2E-02	2.5E-05	6.6E-07	2.3E-08	2.3E-06	2.1E-11	5.1E-09	8.0E-12	6.3E-12	2.9E-06	7.2E-02
	Application	1.1E-10	2.1E-10	3.5E-10	7.3E-02	2.5E-05	6.6E-07	2.3E-08	2.3E-06	2.1E-11	5.1E-09	8.1E-12	6.3E-12	2.9E-06	7.3E-02
	PDC	1.2E-10	2.2E-10	3.7E-10	7.7E-02	2.7E-05	7.0E-07	2.5E-08	2.4E-06	2.3E-11	5.5E-09	8.6E-12	6.7E-12	3.1E-06	7.7E-02
HHR78	Baseline	6.6E-11	1.2E-10	2.1E-10	4.3E-02	1.5E-05	3.9E-07	1.4E-08	1.3E-06	1.3E-11	3.0E-09	4.7E-12	3.7E-12	1.7E-06	4.3E-02
	Application	6.6E-11	1.2E-10	2.1E-10	4.3E-02	1.5E-05	3.9E-07	1.4E-08	1.4E-06	1.3E-11	3.0E-09	4.8E-12	3.7E-12	1.7E-06	4.3E-02
	PDC	7.3E-11	1.3E-10	2.3E-10	4.8E-02	1.7E-05	4.3E-07	1.5E-08	1.5E-06	1.4E-11	3.4E-09	5.3E-12	4.1E-12	1.9E-06	4.8E-02
HHR79	Baseline	1.7E-10	3.2E-10	5.4E-10	1.1E-01	3.9E-05	1.0E-06	3.6E-08	3.5E-06	3.3E-11	7.9E-09	1.2E-11	9.8E-12	4.5E-06	1.1E-01
	Application	1.7E-10	3.2E-10	5.4E-10	1.1E-01	3.9E-05	1.0E-06	3.6E-08	3.5E-06	3.3E-11	7.9E-09	1.2E-11	9.8E-12	4.5E-06	1.1E-01
	PDC	1.8E-10	3.3E-10	5.7E-10	1.2E-01	4.1E-05	1.1E-06	3.8E-08	3.7E-06	3.5E-11	8.4E-09	1.3E-11	1.0E-11	4.8E-06	1.2E-01

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total HQ
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR80	Baseline	7.6E-11	1.4E-10	2.4E-10	5.0E-02	1.7E-05	4.5E-07	1.6E-08	1.6E-06	1.5E-11	3.5E-09	5.5E-12	4.3E-12	2.0E-06	5.0E-02
	Application	7.7E-11	1.4E-10	2.4E-10	5.0E-02	1.7E-05	4.5E-07	1.6E-08	1.6E-06	1.5E-11	3.5E-09	5.5E-12	4.3E-12	2.0E-06	5.0E-02
	PDC	8.5E-11	1.6E-10	2.7E-10	5.5E-02	1.9E-05	5.1E-07	1.8E-08	1.8E-06	1.6E-11	3.9E-09	6.2E-12	4.8E-12	2.2E-06	5.5E-02
HHR81	Baseline	7.5E-11	1.4E-10	2.4E-10	4.9E-02	1.7E-05	4.4E-07	1.6E-08	1.5E-06	1.4E-11	3.4E-09	5.4E-12	4.2E-12	2.0E-06	4.9E-02
	Application	7.5E-11	1.4E-10	2.4E-10	4.9E-02	1.7E-05	4.4E-07	1.6E-08	1.5E-06	1.4E-11	3.5E-09	5.4E-12	4.3E-12	2.0E-06	4.9E-02
	PDC	8.4E-11	1.6E-10	2.7E-10	5.5E-02	1.9E-05	5.0E-07	1.8E-08	1.7E-06	1.6E-11	3.9E-09	6.1E-12	4.8E-12	2.2E-06	5.5E-02
HHR82	Baseline	6.4E-11	1.2E-10	2.0E-10	4.1E-02	1.4E-05	3.8E-07	1.3E-08	1.3E-06	1.2E-11	2.9E-09	4.6E-12	3.6E-12	1.7E-06	4.1E-02
	Application	6.4E-11	1.2E-10	2.0E-10	4.2E-02	1.4E-05	3.8E-07	1.3E-08	1.3E-06	1.2E-11	2.9E-09	4.6E-12	3.6E-12	1.7E-06	4.2E-02
	PDC	7.2E-11	1.3E-10	2.3E-10	4.7E-02	1.6E-05	4.3E-07	1.5E-08	1.5E-06	1.4E-11	3.3E-09	5.2E-12	4.1E-12	1.9E-06	4.7E-02
HHR83	Baseline	6.8E-11	1.3E-10	2.2E-10	4.4E-02	1.5E-05	4.1E-07	1.4E-08	1.4E-06	1.3E-11	3.1E-09	4.9E-12	3.9E-12	1.8E-06	4.4E-02
	Application	6.9E-11	1.3E-10	2.2E-10	4.5E-02	1.6E-05	4.1E-07	1.4E-08	1.4E-06	1.3E-11	3.2E-09	5.0E-12	3.9E-12	1.8E-06	4.5E-02
	PDC	7.7E-11	1.4E-10	2.4E-10	5.0E-02	1.8E-05	4.6E-07	1.6E-08	1.6E-06	1.5E-11	3.6E-09	5.6E-12	4.4E-12	2.0E-06	5.0E-02
MPOI	Baseline	1.2E-09	2.1E-09	3.7E-09	7.5E-01	2.6E-04	6.9E-06	2.4E-07	2.4E-05	2.2E-10	5.3E-08	8.4E-11	6.6E-11	3.0E-05	7.5E-01
	Application	1.2E-09	2.1E-09	3.7E-09	7.5E-01	2.6E-04	6.9E-06	2.4E-07	2.4E-05	2.2E-10	5.3E-08	8.4E-11	6.6E-11	3.0E-05	7.5E-01
	PDC	1.2E-09	2.2E-09	3.7E-09	7.7E-01	2.7E-04	7.0E-06	2.5E-07	2.4E-05	2.3E-10	5.4E-08	8.5E-11	6.7E-11	3.1E-05	7.7E-01

Notes:
HQ = Hazard quotient.
PDC = Planned Development Case.

Appendix M6.2

Inhalation Exposure Only Hazard Quotients

Table M6.2-1: Inhalation Exposure Hazard Quotient for Aluminium

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	3.2E-04	3.2E-04	8.7E-04	1.5E-04	1.6E-04	3.1E-04
HHR2	2.3E-04	2.4E-04	6.0E-04	1.8E-04	1.8E-04	3.0E-04
HHR3	2.3E-04	2.3E-04	2.8E-04	5.3E-05	5.7E-05	1.1E-04
HHR4	3.4E-04	3.4E-04	1.1E-03	2.5E-04	2.5E-04	4.3E-04
HHR5	2.1E-04	2.2E-04	4.1E-04	1.8E-04	1.8E-04	2.8E-04
HHR6	1.5E-04	1.5E-04	3.8E-04	8.0E-05	8.5E-05	1.6E-04
HHR7	3.0E-05	3.1E-05	1.2E-04	1.7E-05	1.9E-05	3.9E-05
HHR8	3.0E-04	3.0E-04	1.3E-03	2.0E-04	2.0E-04	4.9E-04
HHR9	2.6E-04	2.6E-04	1.1E-03	1.8E-04	1.8E-04	4.1E-04
HHR10	2.1E-04	2.1E-04	3.4E-04	1.6E-04	1.6E-04	2.3E-04
HHR11	2.0E-04	2.0E-04	6.1E-04	1.5E-04	1.5E-04	2.6E-04
HHR12	3.5E-04	3.5E-04	1.3E-03	3.0E-04	3.0E-04	5.5E-04
HHR13	4.1E-04	4.1E-04	7.3E-04	2.4E-04	2.5E-04	3.5E-04
HHR14	2.8E-04	2.8E-04	6.2E-04	1.4E-04	1.4E-04	2.6E-04
HHR15	4.4E-05	5.4E-05	1.2E-04	2.0E-05	2.5E-05	4.9E-05
HHR16	9.9E-05	1.0E-04	1.1E-03	7.1E-05	7.4E-05	3.1E-04
HHR17	1.3E-04	1.3E-04	3.1E-04	4.8E-05	5.0E-05	1.1E-04
HHR18	3.0E-04	3.0E-04	7.3E-04	1.9E-04	1.9E-04	3.1E-04
HHR19	3.4E-04	3.4E-04	5.2E-04	2.2E-04	2.2E-04	3.1E-04
HHR20	3.1E-04	3.1E-04	5.8E-04	2.3E-04	2.3E-04	3.3E-04
HHR21	3.0E-04	3.0E-04	6.5E-04	1.9E-04	2.0E-04	3.0E-04
HHR22	1.3E-04	1.3E-04	6.1E-04	1.1E-04	1.2E-04	2.5E-04
HHR23	3.8E-04	3.8E-04	1.2E-03	3.3E-04	3.3E-04	5.5E-04
HHR24	3.4E-04	3.5E-04	1.2E-03	3.2E-04	3.3E-04	5.6E-04
HHR25	8.2E-05	8.2E-05	3.7E-04	6.8E-05	7.5E-05	1.5E-04
HHR26	8.5E-05	8.9E-05	2.9E-04	5.2E-05	6.1E-05	1.2E-04
HHR27	6.8E-05	7.0E-05	2.3E-04	4.0E-05	4.8E-05	9.2E-05
HHR28	6.2E-05	7.1E-05	2.0E-04	3.0E-05	3.3E-05	6.9E-05
HHR29	4.3E-04	4.3E-04	4.5E-03	3.7E-04	3.7E-04	1.8E-03
HHR30	1.4E-04	1.5E-04	3.8E-04	6.6E-05	6.9E-05	1.4E-04
HHR31	1.1E-03	1.1E-03	2.7E-03	1.0E-03	1.0E-03	1.9E-03
HHR32	6.4E-04	6.4E-04	2.9E-03	7.0E-04	7.0E-04	1.5E-03
HHR33	8.9E-04	9.0E-04	1.9E-03	5.3E-04	5.3E-04	9.7E-04
HHR34	8.8E-05	8.9E-05	1.3E-03	7.0E-05	7.2E-05	3.4E-04
HHR35	5.9E-04	5.9E-04	3.0E-03	6.1E-04	6.1E-04	1.4E-03
HHR36	4.6E-04	4.7E-04	1.6E-03	3.5E-04	3.5E-04	6.5E-04
HHR37	1.7E-04	1.9E-04	4.5E-04	9.0E-05	9.3E-05	2.7E-04
HHR38	2.7E-04	2.7E-04	3.8E-03	2.4E-04	2.4E-04	1.2E-03
HHR39	1.6E-04	1.6E-04	3.5E-04	5.1E-05	5.3E-05	1.1E-04
HHR40	1.3E-04	1.3E-04	3.0E-04	4.6E-05	4.8E-05	1.1E-04
HHR41	1.7E-04	1.7E-04	3.4E-04	5.8E-05	6.0E-05	1.3E-04
HHR42	1.1E-04	1.1E-04	1.1E-03	7.5E-05	7.8E-05	2.9E-04
HHR43	2.9E-04	3.0E-04	1.1E-03	2.1E-04	2.2E-04	3.9E-04
HHR44	4.0E-04	4.1E-04	1.1E-03	3.1E-04	3.1E-04	4.9E-04
HHR45	4.9E-05	5.2E-05	1.8E-04	2.3E-05	2.6E-05	5.5E-05
HHR46	8.4E-05	8.4E-05	2.2E-04	5.5E-05	6.0E-05	1.1E-04
HHR47	8.3E-05	8.8E-05	2.6E-04	7.0E-05	7.5E-05	1.3E-04
HHR48	1.3E-04	1.3E-04	3.3E-04	4.3E-05	4.5E-05	1.0E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	7.6E-05	7.8E-05	2.2E-04	5.0E-05	5.6E-05	1.0E-04
HHR50	9.2E-05	1.1E-04	2.7E-04	7.7E-05	8.1E-05	1.3E-04
HHR51	7.3E-05	7.3E-05	2.2E-04	4.3E-05	4.9E-05	9.3E-05
HHR52	1.8E-04	1.8E-04	3.2E-04	1.7E-04	1.8E-04	2.4E-04
HHR53	1.2E-04	1.2E-04	2.6E-04	7.9E-05	8.5E-05	1.4E-04
HHR54	1.7E-04	1.7E-04	3.3E-04	1.7E-04	1.7E-04	2.4E-04
HHR55	9.9E-05	1.1E-04	2.7E-04	8.7E-05	9.0E-05	1.4E-04
HHR56	1.3E-04	1.3E-04	3.2E-04	1.2E-04	1.2E-04	1.9E-04
HHR57	1.4E-04	1.4E-04	3.3E-04	1.1E-04	1.1E-04	1.8E-04
HHR58	8.1E-05	8.5E-05	1.6E-04	3.2E-05	4.0E-05	7.1E-05
HHR59	7.1E-05	8.1E-05	1.5E-04	3.2E-05	4.1E-05	7.0E-05
HHR60	8.3E-05	1.0E-04	1.8E-04	3.6E-05	4.8E-05	8.0E-05
HHR61	1.4E-04	1.5E-04	3.6E-04	1.3E-04	1.3E-04	2.0E-04
HHR62	1.9E-04	2.0E-04	3.9E-04	2.0E-04	2.0E-04	2.7E-04
HHR63	2.6E-04	2.6E-04	5.4E-04	1.4E-04	1.4E-04	2.5E-04
HHR64	3.5E-04	3.5E-04	4.9E-04	1.0E-04	1.1E-04	1.8E-04
HHR65	2.9E-04	2.9E-04	7.8E-04	1.4E-04	1.4E-04	2.9E-04
HHR66	6.8E-05	7.2E-05	2.3E-04	4.0E-05	4.9E-05	9.3E-05
HHR67	9.7E-05	9.7E-05	3.2E-04	4.9E-05	5.9E-05	1.2E-04
HHR68	8.3E-05	9.0E-05	3.4E-04	6.0E-05	6.8E-05	1.3E-04
HHR69	9.5E-05	9.5E-05	3.5E-04	3.7E-05	3.9E-05	9.0E-05
HHR70	1.4E-04	1.4E-04	4.0E-04	4.4E-05	4.6E-05	1.0E-04
HHR71	1.2E-03	1.2E-03	1.4E-03	4.2E-04	4.2E-04	5.3E-04
HHR72	4.7E-05	5.0E-05	1.7E-04	2.5E-05	2.9E-05	5.7E-05
HHR73	1.1E-04	1.2E-04	5.7E-04	1.0E-04	1.1E-04	2.2E-04
HHR74	3.0E-04	3.0E-04	6.8E-04	2.1E-04	2.1E-04	3.1E-04
HHR75	2.8E-04	2.8E-04	1.1E-03	2.2E-04	2.2E-04	4.4E-04
HHR76	2.2E-04	2.2E-04	6.6E-04	2.1E-04	2.2E-04	3.6E-04
HHR77	3.4E-04	3.4E-04	6.4E-04	1.9E-04	1.9E-04	2.9E-04
HHR78	3.6E-04	3.6E-04	4.9E-04	1.5E-04	1.5E-04	2.3E-04
HHR79	2.6E-04	2.6E-04	6.0E-04	1.8E-04	1.9E-04	2.9E-04
HHR80	1.9E-04	1.9E-04	1.4E-03	1.2E-04	1.2E-04	4.3E-04
HHR81	1.6E-04	1.6E-04	8.6E-04	1.0E-04	1.0E-04	2.5E-04
HHR82	1.4E-04	1.4E-04	9.5E-04	9.3E-05	9.6E-05	2.7E-04
HHR83	1.6E-04	1.6E-04	9.2E-04	9.5E-05	9.8E-05	2.6E-04
MPOI	5.3E-03	5.3E-03	1.6E-01	4.6E-03	4.6E-03	4.1E-02

Table M6.2-2: Inhalation Exposure Hazard Quotient for Arsenic

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.2E-02	1.2E-02	1.2E-02	5.3E-03	5.3E-03	6.7E-03
HHR2	1.4E-02	1.4E-02	1.5E-02	4.9E-03	5.0E-03	6.4E-03
HHR3	3.9E-03	3.9E-03	4.5E-03	1.4E-03	1.5E-03	2.2E-03
HHR4	1.1E-02	1.1E-02	1.4E-02	5.5E-03	5.6E-03	7.7E-03
HHR5	1.7E-02	1.7E-02	1.7E-02	7.6E-03	7.7E-03	8.7E-03
HHR6	2.7E-03	2.8E-03	5.3E-03	1.8E-03	1.9E-03	2.8E-03
HHR7	1.6E-03	1.6E-03	2.1E-03	5.8E-04	6.0E-04	8.7E-04
HHR8	1.1E-02	1.1E-02	1.7E-02	3.9E-03	3.9E-03	7.5E-03
HHR9	1.1E-02	1.1E-02	1.4E-02	4.1E-03	4.1E-03	6.7E-03
HHR10	5.6E-03	5.7E-03	6.3E-03	4.0E-03	4.0E-03	4.9E-03
HHR11	3.5E-03	3.5E-03	7.3E-03	2.9E-03	2.9E-03	4.1E-03
HHR12	8.5E-03	8.6E-03	1.7E-02	5.1E-03	5.1E-03	8.2E-03
HHR13	5.5E-03	5.5E-03	8.8E-03	4.1E-03	4.2E-03	5.3E-03
HHR14	1.3E-02	1.3E-02	1.3E-02	6.9E-03	6.9E-03	8.0E-03
HHR15	2.2E-03	2.4E-03	2.4E-03	7.5E-04	8.3E-04	1.1E-03
HHR16	2.4E-03	2.5E-03	1.4E-02	1.5E-03	1.5E-03	4.3E-03
HHR17	1.5E-03	1.5E-03	3.6E-03	9.9E-04	1.0E-03	1.8E-03
HHR18	3.1E-03	3.1E-03	8.8E-03	2.8E-03	2.8E-03	4.3E-03
HHR19	3.5E-03	3.5E-03	6.0E-03	2.9E-03	2.9E-03	4.1E-03
HHR20	3.5E-03	3.5E-03	6.9E-03	3.2E-03	3.2E-03	4.5E-03
HHR21	4.5E-03	4.5E-03	7.8E-03	3.5E-03	3.5E-03	4.7E-03
HHR22	6.6E-03	6.6E-03	8.6E-03	4.2E-03	4.3E-03	5.5E-03
HHR23	1.0E-02	1.0E-02	1.5E-02	5.5E-03	5.6E-03	8.3E-03
HHR24	9.8E-03	9.9E-03	1.6E-02	5.3E-03	5.4E-03	8.3E-03
HHR25	5.9E-03	5.9E-03	6.0E-03	3.3E-03	3.5E-03	4.2E-03
HHR26	3.3E-03	3.3E-03	4.3E-03	1.7E-03	1.8E-03	2.6E-03
HHR27	3.3E-03	3.4E-03	4.0E-03	1.3E-03	1.4E-03	2.0E-03
HHR28	4.8E-03	4.8E-03	4.9E-03	1.4E-03	1.5E-03	1.9E-03
HHR29	6.3E-03	6.3E-03	5.5E-02	4.6E-03	4.6E-03	2.2E-02
HHR30	8.3E-03	8.4E-03	9.4E-03	3.4E-03	3.4E-03	4.3E-03
HHR31	1.2E-02	1.2E-02	3.1E-02	1.0E-02	1.0E-02	2.1E-02
HHR32	8.8E-03	8.8E-03	3.5E-02	8.7E-03	8.7E-03	1.9E-02
HHR33	1.3E-02	1.3E-02	2.4E-02	7.2E-03	7.3E-03	1.3E-02
HHR34	2.4E-03	2.4E-03	1.6E-02	1.5E-03	1.5E-03	4.7E-03
HHR35	7.9E-03	8.0E-03	3.7E-02	7.8E-03	7.8E-03	1.7E-02
HHR36	8.1E-03	8.2E-03	2.0E-02	5.3E-03	5.4E-03	9.0E-03
HHR37	1.2E-02	1.2E-02	1.4E-02	5.2E-03	5.2E-03	7.3E-03
HHR38	5.0E-03	5.1E-03	4.6E-02	3.4E-03	3.4E-03	1.5E-02
HHR39	1.4E-03	1.5E-03	4.2E-03	1.1E-03	1.1E-03	1.9E-03
HHR40	1.4E-03	1.4E-03	3.5E-03	9.9E-04	1.0E-03	1.8E-03
HHR41	1.7E-03	1.8E-03	3.8E-03	1.1E-03	1.1E-03	2.0E-03
HHR42	2.4E-03	2.5E-03	1.3E-02	1.6E-03	1.6E-03	4.2E-03
HHR43	1.0E-02	1.0E-02	1.4E-02	5.4E-03	5.5E-03	7.6E-03
HHR44	9.3E-03	9.4E-03	1.5E-02	6.3E-03	6.3E-03	8.5E-03
HHR45	4.0E-03	4.1E-03	4.2E-03	1.1E-03	1.1E-03	1.5E-03
HHR46	9.4E-03	9.4E-03	9.7E-03	3.9E-03	4.0E-03	4.7E-03
HHR47	9.3E-03	9.3E-03	9.6E-03	4.6E-03	4.7E-03	5.3E-03
HHR48	1.3E-03	1.4E-03	3.9E-03	9.7E-04	1.0E-03	1.7E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	8.8E-03	8.8E-03	9.1E-03	3.4E-03	3.5E-03	4.1E-03
HHR50	9.3E-03	9.3E-03	9.7E-03	4.9E-03	4.9E-03	5.6E-03
HHR51	7.6E-03	7.6E-03	8.0E-03	2.7E-03	2.8E-03	3.4E-03
HHR52	7.4E-03	7.5E-03	9.0E-03	4.1E-03	4.2E-03	4.8E-03
HHR53	1.3E-02	1.3E-02	1.4E-02	6.5E-03	6.6E-03	7.3E-03
HHR54	8.4E-03	8.5E-03	9.9E-03	4.5E-03	4.5E-03	5.2E-03
HHR55	8.8E-03	8.8E-03	9.5E-03	4.6E-03	4.6E-03	5.3E-03
HHR56	1.5E-02	1.5E-02	1.6E-02	9.9E-03	1.0E-02	1.1E-02
HHR57	1.4E-02	1.4E-02	1.5E-02	6.9E-03	6.9E-03	7.7E-03
HHR58	6.6E-03	6.7E-03	7.1E-03	1.4E-03	1.5E-03	1.9E-03
HHR59	6.6E-03	6.6E-03	7.0E-03	1.4E-03	1.6E-03	1.9E-03
HHR60	8.1E-03	8.2E-03	8.7E-03	1.7E-03	1.9E-03	2.3E-03
HHR61	1.5E-02	1.5E-02	1.6E-02	1.1E-02	1.1E-02	1.2E-02
HHR62	2.8E-02	2.8E-02	2.9E-02	2.4E-02	2.4E-02	2.5E-02
HHR63	1.5E-02	1.5E-02	1.6E-02	9.5E-03	9.6E-03	1.1E-02
HHR64	2.2E-03	2.3E-03	4.9E-03	1.4E-03	1.5E-03	2.4E-03
HHR65	1.2E-02	1.2E-02	1.3E-02	6.3E-03	6.4E-03	7.6E-03
HHR66	3.6E-03	3.6E-03	4.3E-03	1.4E-03	1.5E-03	2.1E-03
HHR67	4.3E-03	4.3E-03	5.1E-03	1.8E-03	1.9E-03	2.7E-03
HHR68	5.1E-03	5.1E-03	5.4E-03	2.7E-03	2.9E-03	3.5E-03
HHR69	1.3E-03	1.4E-03	4.2E-03	8.9E-04	9.3E-04	1.6E-03
HHR70	1.4E-03	1.4E-03	4.8E-03	9.9E-04	1.0E-03	1.8E-03
HHR71	5.1E-03	5.1E-03	9.4E-03	3.5E-03	3.6E-03	5.0E-03
HHR72	1.7E-03	1.9E-03	2.1E-03	8.3E-04	9.1E-04	1.3E-03
HHR73	7.1E-03	7.1E-03	8.6E-03	4.7E-03	4.7E-03	5.8E-03
HHR74	3.1E-03	3.2E-03	8.2E-03	2.9E-03	3.0E-03	4.4E-03
HHR75	6.2E-03	6.4E-03	1.5E-02	4.4E-03	4.4E-03	7.1E-03
HHR76	5.0E-03	5.1E-03	8.5E-03	4.2E-03	4.3E-03	6.0E-03
HHR77	4.8E-03	4.8E-03	7.6E-03	3.4E-03	3.5E-03	4.5E-03
HHR78	2.5E-03	2.5E-03	5.1E-03	1.9E-03	1.9E-03	2.9E-03
HHR79	3.0E-03	3.0E-03	7.2E-03	2.8E-03	2.8E-03	4.1E-03
HHR80	3.7E-03	3.7E-03	1.7E-02	2.3E-03	2.4E-03	6.1E-03
HHR81	2.7E-03	2.8E-03	1.0E-02	2.1E-03	2.1E-03	3.9E-03
HHR82	2.7E-03	2.8E-03	1.1E-02	2.0E-03	2.0E-03	4.0E-03
HHR83	2.7E-03	2.7E-03	1.1E-02	2.0E-03	2.0E-03	3.9E-03
MPOI	8.4E-02	8.4E-02	1.9E+00	1.1E-01	1.1E-01	5.0E-01

Table M6.2-3: Inhalation Exposure Hazard Quotient for Barium

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	2.9E-03	2.9E-03	2.9E-03	1.0E-03	1.0E-03	1.1E-03
HHR2	2.4E-03	2.4E-03	2.4E-03	1.1E-03	1.1E-03	1.3E-03
HHR3	8.5E-04	8.5E-04	8.6E-04	2.3E-04	2.4E-04	2.7E-04
HHR4	2.7E-03	2.7E-03	2.8E-03	1.8E-03	1.8E-03	1.9E-03
HHR5	2.3E-03	2.3E-03	2.3E-03	1.2E-03	1.2E-03	1.4E-03
HHR6	9.6E-04	9.6E-04	9.9E-04	4.4E-04	4.4E-04	4.9E-04
HHR7	3.7E-04	3.7E-04	3.7E-04	9.4E-05	9.5E-05	1.1E-04
HHR8	2.3E-03	2.3E-03	2.3E-03	1.4E-03	1.4E-03	1.5E-03
HHR9	2.0E-03	2.0E-03	2.0E-03	1.2E-03	1.2E-03	1.3E-03
HHR10	7.0E-04	7.0E-04	7.8E-04	5.1E-04	5.1E-04	5.9E-04
HHR11	1.6E-03	1.6E-03	1.6E-03	1.0E-03	1.0E-03	1.1E-03
HHR12	2.7E-03	2.7E-03	2.8E-03	2.1E-03	2.1E-03	2.2E-03
HHR13	3.4E-03	3.4E-03	3.4E-03	1.8E-03	1.8E-03	1.9E-03
HHR14	3.4E-03	3.4E-03	3.4E-03	8.9E-04	8.9E-04	9.9E-04
HHR15	6.0E-04	6.0E-04	6.1E-04	1.4E-04	1.5E-04	1.6E-04
HHR16	6.8E-04	6.8E-04	7.6E-04	4.4E-04	4.5E-04	5.0E-04
HHR17	7.5E-04	7.5E-04	8.2E-04	2.3E-04	2.3E-04	2.7E-04
HHR18	2.0E-03	2.0E-03	2.0E-03	1.3E-03	1.3E-03	1.4E-03
HHR19	2.3E-03	2.3E-03	2.3E-03	1.4E-03	1.5E-03	1.5E-03
HHR20	2.2E-03	2.2E-03	2.3E-03	1.6E-03	1.6E-03	1.7E-03
HHR21	2.4E-03	2.4E-03	2.5E-03	1.4E-03	1.4E-03	1.4E-03
HHR22	1.3E-03	1.3E-03	1.3E-03	7.5E-04	7.6E-04	8.2E-04
HHR23	3.0E-03	3.0E-03	3.0E-03	2.2E-03	2.2E-03	2.3E-03
HHR24	2.6E-03	2.6E-03	2.7E-03	2.2E-03	2.2E-03	2.3E-03
HHR25	7.7E-04	7.7E-04	7.8E-04	4.4E-04	4.5E-04	4.9E-04
HHR26	1.3E-03	1.3E-03	1.3E-03	2.9E-04	3.0E-04	3.4E-04
HHR27	1.0E-03	1.0E-03	1.0E-03	2.3E-04	2.4E-04	2.7E-04
HHR28	4.0E-04	4.0E-04	4.5E-04	1.6E-04	1.7E-04	2.0E-04
HHR29	3.3E-03	3.3E-03	3.4E-03	2.7E-03	2.7E-03	2.9E-03
HHR30	1.4E-03	1.4E-03	1.4E-03	4.5E-04	4.6E-04	6.1E-04
HHR31	7.4E-03	7.4E-03	7.4E-03	7.1E-03	7.1E-03	7.2E-03
HHR32	5.1E-03	5.1E-03	5.2E-03	5.3E-03	5.3E-03	5.5E-03
HHR33	7.2E-03	7.2E-03	7.2E-03	4.1E-03	4.1E-03	4.3E-03
HHR34	6.1E-04	6.1E-04	6.9E-04	4.3E-04	4.4E-04	4.9E-04
HHR35	4.8E-03	4.8E-03	4.8E-03	4.7E-03	4.7E-03	4.8E-03
HHR36	3.6E-03	3.6E-03	3.7E-03	2.5E-03	2.5E-03	2.6E-03
HHR37	3.5E-03	3.5E-03	3.5E-03	6.8E-04	6.9E-04	1.7E-03
HHR38	2.0E-03	2.0E-03	2.1E-03	1.7E-03	1.7E-03	1.8E-03
HHR39	9.4E-04	9.4E-04	9.9E-04	2.4E-04	2.4E-04	2.9E-04
HHR40	7.7E-04	7.7E-04	8.3E-04	2.2E-04	2.2E-04	2.7E-04
HHR41	1.0E-03	1.0E-03	1.1E-03	2.7E-04	2.8E-04	3.4E-04
HHR42	7.4E-04	7.4E-04	8.4E-04	4.7E-04	4.7E-04	5.3E-04
HHR43	2.3E-03	2.3E-03	2.4E-03	1.5E-03	1.5E-03	1.6E-03
HHR44	3.2E-03	3.2E-03	3.3E-03	2.3E-03	2.3E-03	2.4E-03
HHR45	3.5E-04	3.6E-04	3.9E-04	1.3E-04	1.3E-04	1.6E-04
HHR46	7.2E-04	7.2E-04	7.4E-04	3.3E-04	3.3E-04	4.0E-04
HHR47	6.6E-04	6.6E-04	7.4E-04	3.9E-04	3.9E-04	4.6E-04
HHR48	7.3E-04	7.3E-04	7.9E-04	2.0E-04	2.1E-04	2.5E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	6.5E-04	6.5E-04	7.3E-04	2.9E-04	2.9E-04	3.6E-04
HHR50	7.5E-04	7.5E-04	8.0E-04	4.2E-04	4.2E-04	4.9E-04
HHR51	8.2E-04	8.2E-04	8.3E-04	2.5E-04	2.6E-04	3.1E-04
HHR52	1.2E-03	1.2E-03	1.3E-03	9.3E-04	9.4E-04	1.0E-03
HHR53	7.8E-04	7.8E-04	9.4E-04	4.7E-04	4.8E-04	5.7E-04
HHR54	1.2E-03	1.2E-03	1.3E-03	9.7E-04	9.7E-04	1.1E-03
HHR55	7.5E-04	7.5E-04	7.9E-04	4.5E-04	4.5E-04	5.2E-04
HHR56	1.1E-03	1.1E-03	1.1E-03	8.2E-04	8.2E-04	9.2E-04
HHR57	2.0E-03	2.0E-03	2.0E-03	7.6E-04	7.6E-04	8.7E-04
HHR58	1.1E-03	1.1E-03	1.1E-03	2.0E-04	2.1E-04	2.3E-04
HHR59	1.2E-03	1.2E-03	1.2E-03	2.2E-04	2.2E-04	2.4E-04
HHR60	1.3E-03	1.3E-03	1.3E-03	2.6E-04	2.7E-04	2.9E-04
HHR61	3.3E-03	3.3E-03	3.3E-03	9.7E-04	9.7E-04	1.1E-03
HHR62	5.3E-03	5.3E-03	5.3E-03	1.8E-03	1.8E-03	1.9E-03
HHR63	4.0E-03	4.0E-03	4.0E-03	9.6E-04	9.7E-04	1.1E-03
HHR64	1.8E-03	1.8E-03	1.8E-03	5.2E-04	5.2E-04	5.7E-04
HHR65	2.5E-03	2.5E-03	2.5E-03	9.4E-04	9.4E-04	1.0E-03
HHR66	1.1E-03	1.1E-03	1.1E-03	2.4E-04	2.5E-04	2.8E-04
HHR67	1.7E-03	1.7E-03	1.7E-03	3.0E-04	3.1E-04	3.5E-04
HHR68	1.1E-03	1.1E-03	1.1E-03	3.8E-04	3.9E-04	4.3E-04
HHR69	5.6E-04	5.6E-04	6.2E-04	1.7E-04	1.8E-04	2.1E-04
HHR70	7.9E-04	7.9E-04	8.3E-04	2.1E-04	2.1E-04	2.5E-04
HHR71	5.6E-03	5.6E-03	5.7E-03	2.4E-03	2.4E-03	2.4E-03
HHR72	6.2E-04	6.2E-04	6.3E-04	1.5E-04	1.5E-04	1.7E-04
HHR73	1.3E-03	1.3E-03	1.3E-03	6.7E-04	6.7E-04	7.4E-04
HHR74	2.0E-03	2.0E-03	2.1E-03	1.5E-03	1.5E-03	1.5E-03
HHR75	2.1E-03	2.1E-03	2.2E-03	1.6E-03	1.6E-03	1.6E-03
HHR76	1.7E-03	1.7E-03	1.8E-03	1.5E-03	1.5E-03	1.6E-03
HHR77	2.8E-03	2.8E-03	2.8E-03	1.3E-03	1.3E-03	1.4E-03
HHR78	2.0E-03	2.0E-03	2.0E-03	8.1E-04	8.2E-04	8.6E-04
HHR79	1.8E-03	1.8E-03	1.9E-03	1.3E-03	1.3E-03	1.3E-03
HHR80	1.5E-03	1.5E-03	1.6E-03	8.2E-04	8.2E-04	8.9E-04
HHR81	1.1E-03	1.1E-03	1.1E-03	6.8E-04	6.9E-04	7.4E-04
HHR82	8.9E-04	8.9E-04	9.5E-04	6.2E-04	6.3E-04	6.8E-04
HHR83	1.1E-03	1.1E-03	1.1E-03	6.4E-04	6.4E-04	7.0E-04
MPOI	2.4E-02	2.4E-02	2.4E-02	2.0E-02	2.0E-02	2.0E-02

Table M6.2-4: Inhalation Exposure Hazard Quotient for Cadmium

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	3.6E-02	3.6E-02	3.6E-02	1.1E-02	1.1E-02	1.2E-02
HHR2	3.0E-02	3.0E-02	3.0E-02	1.1E-02	1.1E-02	1.3E-02
HHR3	1.1E-02	1.1E-02	1.1E-02	2.3E-03	2.3E-03	2.7E-03
HHR4	3.1E-02	3.1E-02	3.2E-02	2.0E-02	2.0E-02	2.1E-02
HHR5	2.9E-02	2.9E-02	2.9E-02	1.1E-02	1.1E-02	1.4E-02
HHR6	1.0E-02	1.0E-02	1.1E-02	4.4E-03	4.4E-03	4.9E-03
HHR7	4.2E-03	4.2E-03	4.3E-03	8.6E-04	8.7E-04	1.0E-03
HHR8	2.5E-02	2.5E-02	2.6E-02	1.5E-02	1.5E-02	1.7E-02
HHR9	2.3E-02	2.3E-02	2.3E-02	1.3E-02	1.3E-02	1.4E-02
HHR10	7.8E-03	7.8E-03	8.3E-03	4.5E-03	4.5E-03	5.3E-03
HHR11	1.8E-02	1.8E-02	1.9E-02	1.1E-02	1.1E-02	1.2E-02
HHR12	3.0E-02	3.0E-02	3.1E-02	2.3E-02	2.3E-02	2.4E-02
HHR13	3.9E-02	3.9E-02	3.9E-02	2.0E-02	2.0E-02	2.1E-02
HHR14	4.2E-02	4.2E-02	4.2E-02	9.8E-03	9.8E-03	1.1E-02
HHR15	7.4E-03	7.5E-03	7.5E-03	1.4E-03	1.5E-03	1.6E-03
HHR16	7.2E-03	7.2E-03	8.1E-03	4.8E-03	4.8E-03	5.4E-03
HHR17	7.1E-03	7.1E-03	7.9E-03	2.3E-03	2.3E-03	2.7E-03
HHR18	2.2E-02	2.2E-02	2.2E-02	1.5E-02	1.5E-02	1.6E-02
HHR19	2.4E-02	2.4E-02	2.4E-02	1.6E-02	1.6E-02	1.6E-02
HHR20	2.5E-02	2.5E-02	2.5E-02	1.8E-02	1.8E-02	1.8E-02
HHR21	2.8E-02	2.8E-02	2.9E-02	1.5E-02	1.5E-02	1.6E-02
HHR22	1.5E-02	1.5E-02	1.5E-02	8.3E-03	8.3E-03	9.0E-03
HHR23	3.4E-02	3.4E-02	3.4E-02	2.5E-02	2.5E-02	2.6E-02
HHR24	3.0E-02	3.0E-02	3.1E-02	2.4E-02	2.4E-02	2.5E-02
HHR25	9.6E-03	9.6E-03	9.7E-03	4.7E-03	4.7E-03	5.2E-03
HHR26	1.6E-02	1.6E-02	1.6E-02	3.0E-03	3.0E-03	3.3E-03
HHR27	1.3E-02	1.3E-02	1.3E-02	2.5E-03	2.5E-03	2.8E-03
HHR28	4.8E-03	4.8E-03	5.0E-03	1.6E-03	1.7E-03	2.0E-03
HHR29	3.7E-02	3.7E-02	3.8E-02	3.0E-02	3.0E-02	3.2E-02
HHR30	1.7E-02	1.7E-02	1.7E-02	4.9E-03	4.9E-03	6.6E-03
HHR31	8.0E-02	8.0E-02	8.0E-02	7.7E-02	7.7E-02	7.8E-02
HHR32	5.9E-02	5.9E-02	5.9E-02	6.0E-02	6.0E-02	6.2E-02
HHR33	8.2E-02	8.2E-02	8.3E-02	4.7E-02	4.7E-02	4.8E-02
HHR34	6.7E-03	6.7E-03	7.4E-03	4.7E-03	4.7E-03	5.3E-03
HHR35	5.5E-02	5.5E-02	5.5E-02	5.3E-02	5.3E-02	5.4E-02
HHR36	4.0E-02	4.0E-02	4.2E-02	2.8E-02	2.8E-02	2.9E-02
HHR37	4.3E-02	4.3E-02	4.4E-02	7.4E-03	7.4E-03	1.9E-02
HHR38	2.3E-02	2.3E-02	2.3E-02	1.8E-02	1.8E-02	2.0E-02
HHR39	8.8E-03	8.8E-03	9.3E-03	2.4E-03	2.4E-03	2.9E-03
HHR40	7.3E-03	7.3E-03	7.9E-03	2.2E-03	2.2E-03	2.7E-03
HHR41	9.4E-03	9.4E-03	1.0E-02	2.7E-03	2.7E-03	3.4E-03
HHR42	8.0E-03	8.0E-03	8.9E-03	5.1E-03	5.1E-03	5.7E-03
HHR43	2.7E-02	2.7E-02	2.8E-02	1.7E-02	1.7E-02	1.8E-02
HHR44	3.7E-02	3.7E-02	3.8E-02	2.6E-02	2.6E-02	2.7E-02
HHR45	4.0E-03	4.0E-03	4.2E-03	1.3E-03	1.3E-03	1.5E-03
HHR46	8.5E-03	8.5E-03	8.7E-03	3.3E-03	3.4E-03	4.1E-03
HHR47	7.7E-03	7.7E-03	8.3E-03	4.0E-03	4.0E-03	4.7E-03
HHR48	6.9E-03	6.9E-03	7.5E-03	2.0E-03	2.1E-03	2.5E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	7.9E-03	7.9E-03	8.3E-03	2.9E-03	3.0E-03	3.6E-03
HHR50	8.3E-03	8.3E-03	8.6E-03	4.2E-03	4.2E-03	5.0E-03
HHR51	1.0E-02	1.0E-02	1.0E-02	2.5E-03	2.5E-03	3.0E-03
HHR52	1.3E-02	1.3E-02	1.4E-02	8.9E-03	8.9E-03	9.8E-03
HHR53	9.3E-03	9.3E-03	1.1E-02	5.0E-03	5.0E-03	6.0E-03
HHR54	1.5E-02	1.5E-02	1.5E-02	9.2E-03	9.2E-03	1.0E-02
HHR55	7.6E-03	7.6E-03	8.3E-03	4.4E-03	4.5E-03	5.1E-03
HHR56	1.3E-02	1.3E-02	1.3E-02	8.5E-03	8.6E-03	9.6E-03
HHR57	2.5E-02	2.5E-02	2.5E-02	7.7E-03	7.7E-03	8.8E-03
HHR58	1.4E-02	1.4E-02	1.4E-02	1.8E-03	1.9E-03	2.1E-03
HHR59	1.5E-02	1.5E-02	1.5E-02	2.0E-03	2.0E-03	2.3E-03
HHR60	1.7E-02	1.7E-02	1.7E-02	2.4E-03	2.5E-03	2.7E-03
HHR61	4.1E-02	4.1E-02	4.1E-02	1.1E-02	1.1E-02	1.2E-02
HHR62	6.6E-02	6.6E-02	6.6E-02	2.1E-02	2.1E-02	2.2E-02
HHR63	4.9E-02	4.9E-02	4.9E-02	1.1E-02	1.1E-02	1.2E-02
HHR64	1.5E-02	1.5E-02	1.6E-02	4.8E-03	4.8E-03	5.3E-03
HHR65	3.0E-02	3.0E-02	3.1E-02	1.0E-02	1.0E-02	1.1E-02
HHR66	1.4E-02	1.4E-02	1.4E-02	2.6E-03	2.6E-03	2.9E-03
HHR67	2.1E-02	2.1E-02	2.1E-02	3.1E-03	3.1E-03	3.5E-03
HHR68	1.4E-02	1.4E-02	1.4E-02	4.0E-03	4.0E-03	4.5E-03
HHR69	5.4E-03	5.4E-03	6.1E-03	1.8E-03	1.8E-03	2.1E-03
HHR70	7.4E-03	7.4E-03	7.9E-03	2.1E-03	2.1E-03	2.6E-03
HHR71	4.7E-02	4.7E-02	4.7E-02	2.2E-02	2.2E-02	2.3E-02
HHR72	7.7E-03	7.7E-03	7.8E-03	1.6E-03	1.6E-03	1.7E-03
HHR73	1.6E-02	1.6E-02	1.6E-02	7.3E-03	7.3E-03	8.0E-03
HHR74	2.2E-02	2.2E-02	2.2E-02	1.6E-02	1.6E-02	1.7E-02
HHR75	2.4E-02	2.4E-02	2.5E-02	1.7E-02	1.7E-02	1.8E-02
HHR76	2.0E-02	2.0E-02	2.0E-02	1.7E-02	1.7E-02	1.8E-02
HHR77	3.2E-02	3.2E-02	3.3E-02	1.5E-02	1.5E-02	1.6E-02
HHR78	1.7E-02	1.7E-02	1.8E-02	7.8E-03	7.8E-03	8.3E-03
HHR79	2.0E-02	2.0E-02	2.1E-02	1.4E-02	1.4E-02	1.5E-02
HHR80	1.7E-02	1.7E-02	1.8E-02	9.1E-03	9.1E-03	9.8E-03
HHR81	1.1E-02	1.1E-02	1.2E-02	7.6E-03	7.6E-03	8.2E-03
HHR82	9.4E-03	9.4E-03	1.0E-02	6.9E-03	6.9E-03	7.5E-03
HHR83	1.1E-02	1.1E-02	1.2E-02	7.1E-03	7.1E-03	7.7E-03
MPOI	1.8E-01	1.8E-01	1.8E-01	1.5E-01	1.5E-01	1.5E-01

Table M6.2-5: Inhalation Exposure Hazard Quotient for Chromium

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	4.5E-03	4.5E-03	4.5E-03	4.1E-04	4.1E-04	4.5E-04
HHR2	3.8E-03	3.8E-03	3.8E-03	4.1E-04	4.1E-04	4.7E-04
HHR3	1.3E-03	1.3E-03	1.3E-03	2.7E-04	2.7E-04	3.1E-04
HHR4	2.8E-03	2.8E-03	2.8E-03	5.5E-04	5.5E-04	5.9E-04
HHR5	3.6E-03	3.6E-03	3.6E-03	6.0E-04	6.0E-04	6.7E-04
HHR6	1.3E-03	1.3E-03	1.3E-03	3.0E-04	3.0E-04	3.4E-04
HHR7	5.7E-04	5.7E-04	5.7E-04	9.5E-05	9.6E-05	1.1E-04
HHR8	2.3E-03	2.3E-03	2.3E-03	3.7E-04	3.8E-04	4.4E-04
HHR9	2.7E-03	2.7E-03	2.7E-03	4.1E-04	4.1E-04	4.6E-04
HHR10	9.3E-04	9.3E-04	9.3E-04	2.7E-04	2.7E-04	3.0E-04
HHR11	8.4E-04	8.4E-04	8.4E-04	3.3E-04	3.3E-04	3.6E-04
HHR12	3.3E-03	3.3E-03	3.3E-03	8.2E-04	8.2E-04	8.8E-04
HHR13	8.4E-04	8.4E-04	8.4E-04	4.4E-04	4.5E-04	4.8E-04
HHR14	5.3E-03	5.3E-03	5.3E-03	4.7E-04	4.7E-04	5.0E-04
HHR15	9.3E-04	9.3E-04	9.3E-04	1.9E-04	1.9E-04	2.2E-04
HHR16	6.3E-04	6.3E-04	6.3E-04	1.8E-04	1.8E-04	2.3E-04
HHR17	4.6E-04	4.7E-04	4.8E-04	1.7E-04	1.7E-04	1.9E-04
HHR18	8.0E-04	8.1E-04	8.2E-04	3.3E-04	3.4E-04	3.7E-04
HHR19	6.2E-04	6.3E-04	6.4E-04	4.0E-04	4.0E-04	4.3E-04
HHR20	7.1E-04	7.1E-04	7.2E-04	4.0E-04	4.0E-04	4.3E-04
HHR21	8.4E-04	8.4E-04	8.5E-04	3.9E-04	3.9E-04	4.2E-04
HHR22	1.9E-03	1.9E-03	1.9E-03	3.4E-04	3.4E-04	3.7E-04
HHR23	6.1E-03	6.1E-03	6.2E-03	1.1E-03	1.1E-03	1.2E-03
HHR24	4.7E-03	4.7E-03	4.8E-03	1.0E-03	1.0E-03	1.1E-03
HHR25	1.2E-03	1.2E-03	1.2E-03	3.5E-04	3.6E-04	3.8E-04
HHR26	2.0E-03	2.0E-03	2.0E-03	3.2E-04	3.3E-04	3.7E-04
HHR27	1.6E-03	1.6E-03	1.7E-03	3.0E-04	3.1E-04	3.7E-04
HHR28	5.9E-04	5.9E-04	6.0E-04	1.2E-04	1.2E-04	1.4E-04
HHR29	1.2E-03	1.2E-03	1.2E-03	5.6E-04	5.6E-04	7.6E-04
HHR30	2.1E-03	2.1E-03	2.1E-03	2.6E-04	2.6E-04	3.0E-04
HHR31	1.5E-03	1.5E-03	1.5E-03	1.4E-03	1.4E-03	1.5E-03
HHR32	1.3E-03	1.3E-03	1.4E-03	9.8E-04	9.8E-04	1.1E-03
HHR33	1.5E-03	1.5E-03	1.5E-03	7.8E-04	7.8E-04	8.6E-04
HHR34	5.8E-04	5.8E-04	5.8E-04	1.8E-04	1.8E-04	2.3E-04
HHR35	1.1E-03	1.1E-03	1.1E-03	8.6E-04	8.6E-04	9.7E-04
HHR36	2.1E-03	2.1E-03	2.1E-03	6.7E-04	6.7E-04	7.4E-04
HHR37	5.4E-03	5.4E-03	5.4E-03	3.7E-04	3.8E-04	5.3E-04
HHR38	8.2E-04	8.2E-04	8.3E-04	4.2E-04	4.2E-04	5.5E-04
HHR39	5.6E-04	5.6E-04	5.6E-04	1.9E-04	1.9E-04	2.1E-04
HHR40	4.9E-04	4.9E-04	5.0E-04	1.7E-04	1.7E-04	2.0E-04
HHR41	4.4E-04	4.5E-04	4.6E-04	1.8E-04	1.8E-04	2.1E-04
HHR42	6.5E-04	6.5E-04	6.6E-04	1.9E-04	2.0E-04	2.3E-04
HHR43	2.7E-03	2.7E-03	2.7E-03	4.9E-04	4.9E-04	5.3E-04
HHR44	2.6E-03	2.6E-03	2.7E-03	6.1E-04	6.1E-04	6.5E-04
HHR45	5.4E-04	5.4E-04	5.5E-04	1.0E-04	1.1E-04	1.2E-04
HHR46	1.1E-03	1.1E-03	1.1E-03	2.0E-04	2.0E-04	2.2E-04
HHR47	9.7E-04	9.7E-04	9.8E-04	2.2E-04	2.2E-04	2.4E-04
HHR48	4.8E-04	4.9E-04	5.0E-04	1.7E-04	1.7E-04	1.9E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.0E-03	1.0E-03	1.0E-03	1.9E-04	1.9E-04	2.1E-04
HHR50	1.1E-03	1.1E-03	1.1E-03	2.3E-04	2.3E-04	2.5E-04
HHR51	1.3E-03	1.3E-03	1.3E-03	1.8E-04	1.8E-04	2.0E-04
HHR52	1.2E-03	1.2E-03	1.3E-03	3.5E-04	3.5E-04	3.8E-04
HHR53	1.2E-03	1.2E-03	1.2E-03	2.5E-04	2.6E-04	2.8E-04
HHR54	1.9E-03	1.9E-03	1.9E-03	3.6E-04	3.6E-04	4.0E-04
HHR55	1.0E-03	1.0E-03	1.0E-03	2.4E-04	2.4E-04	2.6E-04
HHR56	1.7E-03	1.7E-03	1.7E-03	3.5E-04	3.6E-04	3.8E-04
HHR57	3.1E-03	3.1E-03	3.1E-03	4.0E-04	4.0E-04	4.3E-04
HHR58	1.8E-03	1.8E-03	1.8E-03	2.2E-04	2.2E-04	2.5E-04
HHR59	1.9E-03	1.9E-03	1.9E-03	2.4E-04	2.5E-04	2.7E-04
HHR60	2.1E-03	2.1E-03	2.1E-03	2.8E-04	2.9E-04	3.1E-04
HHR61	5.3E-03	5.3E-03	5.3E-03	6.8E-04	6.8E-04	7.1E-04
HHR62	8.3E-03	8.3E-03	8.3E-03	1.0E-03	1.0E-03	1.0E-03
HHR63	6.2E-03	6.2E-03	6.2E-03	4.7E-04	4.8E-04	5.1E-04
HHR64	6.5E-04	6.5E-04	6.5E-04	2.7E-04	2.7E-04	3.0E-04
HHR65	3.8E-03	3.8E-03	3.8E-03	4.0E-04	4.1E-04	4.4E-04
HHR66	1.8E-03	1.8E-03	1.8E-03	3.1E-04	3.2E-04	3.9E-04
HHR67	2.6E-03	2.6E-03	2.6E-03	3.5E-04	3.6E-04	4.3E-04
HHR68	1.8E-03	1.8E-03	1.8E-03	3.6E-04	3.7E-04	3.9E-04
HHR69	4.7E-04	4.8E-04	4.8E-04	1.6E-04	1.6E-04	1.8E-04
HHR70	4.9E-04	4.9E-04	4.9E-04	1.8E-04	1.8E-04	2.0E-04
HHR71	2.0E-03	2.0E-03	2.0E-03	7.0E-04	7.0E-04	7.3E-04
HHR72	9.8E-04	9.8E-04	9.8E-04	2.0E-04	2.0E-04	2.3E-04
HHR73	1.9E-03	1.9E-03	2.0E-03	3.1E-04	3.1E-04	3.4E-04
HHR74	7.7E-04	7.7E-04	7.8E-04	3.6E-04	3.6E-04	3.9E-04
HHR75	1.8E-03	1.8E-03	1.8E-03	5.5E-04	5.5E-04	5.9E-04
HHR76	1.2E-03	1.2E-03	1.2E-03	4.6E-04	4.7E-04	4.9E-04
HHR77	8.0E-04	8.0E-04	8.1E-04	3.8E-04	3.8E-04	4.1E-04
HHR78	6.8E-04	6.8E-04	6.8E-04	3.3E-04	3.3E-04	3.6E-04
HHR79	7.6E-04	7.7E-04	7.7E-04	3.5E-04	3.5E-04	3.8E-04
HHR80	7.2E-04	7.2E-04	7.2E-04	2.7E-04	2.7E-04	3.2E-04
HHR81	8.7E-04	8.8E-04	8.8E-04	2.5E-04	2.5E-04	2.8E-04
HHR82	8.1E-04	8.1E-04	8.1E-04	2.4E-04	2.4E-04	2.7E-04
HHR83	8.6E-04	8.6E-04	8.6E-04	2.4E-04	2.4E-04	2.7E-04
MPOI	1.9E-02	1.9E-02	2.0E-02	7.4E-03	7.4E-03	7.5E-03

Table M6.2-6: Inhalation Exposure Hazard Quotient for Cobalt

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	6.0E-02	6.0E-02	6.0E-02	6.2E-03	6.8E-03	7.8E-03
HHR2	3.8E-02	3.8E-02	3.8E-02	7.6E-03	8.1E-03	9.2E-03
HHR3	4.6E-02	4.6E-02	5.1E-02	7.8E-03	8.7E-03	1.2E-02
HHR4	3.8E-02	3.8E-02	3.8E-02	6.2E-03	6.8E-03	8.2E-03
HHR5	1.8E-02	1.8E-02	1.9E-02	4.9E-03	5.4E-03	6.7E-03
HHR6	2.1E-02	2.2E-02	5.7E-02	6.9E-03	7.6E-03	1.1E-02
HHR7	4.7E-03	4.7E-03	6.4E-03	1.8E-03	2.1E-03	3.5E-03
HHR8	2.6E-02	2.6E-02	2.7E-02	4.7E-03	5.3E-03	6.7E-03
HHR9	3.3E-02	3.3E-02	3.3E-02	4.9E-03	5.3E-03	6.6E-03
HHR10	2.9E-02	2.9E-02	3.4E-02	2.1E-02	2.1E-02	2.5E-02
HHR11	8.0E-03	8.1E-03	1.5E-02	6.3E-03	6.9E-03	8.3E-03
HHR12	1.9E-02	1.9E-02	2.0E-02	6.3E-03	6.8E-03	8.4E-03
HHR13	8.5E-03	8.5E-03	1.3E-02	6.8E-03	7.4E-03	8.8E-03
HHR14	5.4E-02	5.4E-02	5.4E-02	8.4E-03	9.0E-03	1.0E-02
HHR15	8.0E-03	1.0E-02	1.0E-02	3.2E-03	4.1E-03	5.5E-03
HHR16	8.2E-03	8.5E-03	9.2E-03	4.1E-03	4.5E-03	5.8E-03
HHR17	1.2E-02	1.2E-02	1.3E-02	4.9E-03	5.3E-03	6.5E-03
HHR18	1.4E-02	1.4E-02	1.6E-02	5.4E-03	5.9E-03	7.3E-03
HHR19	1.3E-02	1.3E-02	1.8E-02	5.9E-03	6.4E-03	8.2E-03
HHR20	1.4E-02	1.4E-02	1.7E-02	5.9E-03	6.4E-03	8.0E-03
HHR21	8.2E-03	8.2E-03	1.4E-02	6.6E-03	7.2E-03	8.6E-03
HHR22	1.7E-02	1.7E-02	1.7E-02	6.7E-03	7.7E-03	9.1E-03
HHR23	2.5E-02	2.5E-02	2.5E-02	6.7E-03	7.3E-03	8.7E-03
HHR24	2.2E-02	2.2E-02	2.2E-02	6.5E-03	7.1E-03	8.6E-03
HHR25	1.3E-02	1.3E-02	1.3E-02	6.2E-03	7.4E-03	8.8E-03
HHR26	1.5E-02	1.5E-02	2.3E-02	6.6E-03	8.1E-03	1.1E-02
HHR27	1.1E-02	1.3E-02	2.1E-02	5.7E-03	7.2E-03	9.9E-03
HHR28	6.5E-03	7.2E-03	1.6E-02	2.8E-03	3.3E-03	5.6E-03
HHR29	1.4E-02	1.4E-02	1.7E-02	5.5E-03	5.8E-03	8.3E-03
HHR30	1.7E-02	1.7E-02	1.8E-02	4.5E-03	4.9E-03	6.1E-03
HHR31	3.1E-02	3.1E-02	3.3E-02	9.0E-03	9.3E-03	1.2E-02
HHR32	2.0E-02	2.0E-02	2.2E-02	8.2E-03	8.5E-03	1.1E-02
HHR33	1.6E-02	1.6E-02	1.7E-02	5.6E-03	6.1E-03	8.0E-03
HHR34	7.7E-03	7.8E-03	8.7E-03	4.1E-03	4.4E-03	5.8E-03
HHR35	1.5E-02	1.5E-02	1.7E-02	7.8E-03	8.1E-03	1.1E-02
HHR36	1.8E-02	1.8E-02	1.8E-02	5.7E-03	6.2E-03	7.9E-03
HHR37	1.4E-02	1.4E-02	1.5E-02	4.8E-03	5.3E-03	6.7E-03
HHR38	1.5E-02	1.6E-02	1.7E-02	6.6E-03	6.9E-03	9.5E-03
HHR39	1.2E-02	1.3E-02	1.4E-02	5.3E-03	5.7E-03	7.2E-03
HHR40	1.1E-02	1.1E-02	1.3E-02	4.9E-03	5.2E-03	6.6E-03
HHR41	1.3E-02	1.4E-02	1.5E-02	5.7E-03	6.0E-03	7.3E-03
HHR42	9.6E-03	9.8E-03	1.0E-02	4.4E-03	4.8E-03	6.1E-03
HHR43	4.0E-02	4.0E-02	4.0E-02	6.6E-03	7.3E-03	8.6E-03
HHR44	3.1E-02	3.1E-02	3.1E-02	6.8E-03	7.5E-03	8.9E-03
HHR45	6.3E-03	6.5E-03	1.2E-02	2.3E-03	2.9E-03	4.5E-03
HHR46	1.4E-02	1.4E-02	2.6E-02	4.6E-03	5.6E-03	8.7E-03
HHR47	9.5E-03	1.0E-02	1.7E-02	5.5E-03	6.4E-03	8.4E-03
HHR48	1.0E-02	1.1E-02	1.2E-02	4.7E-03	5.0E-03	6.5E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.1E-02	1.1E-02	3.0E-02	4.4E-03	5.5E-03	8.1E-03
HHR50	1.4E-02	1.7E-02	1.9E-02	5.8E-03	6.7E-03	8.5E-03
HHR51	1.2E-02	1.2E-02	2.3E-02	4.2E-03	5.5E-03	7.9E-03
HHR52	1.0E-02	1.1E-02	1.2E-02	7.6E-03	8.1E-03	9.7E-03
HHR53	2.0E-02	2.1E-02	2.1E-02	6.5E-03	7.6E-03	9.7E-03
HHR54	1.2E-02	1.3E-02	1.3E-02	6.1E-03	6.6E-03	8.1E-03
HHR55	1.1E-02	1.4E-02	1.5E-02	6.5E-03	7.3E-03	9.0E-03
HHR56	1.1E-02	1.1E-02	1.2E-02	5.2E-03	6.0E-03	7.4E-03
HHR57	1.5E-02	1.6E-02	1.6E-02	4.4E-03	5.0E-03	6.2E-03
HHR58	1.4E-02	1.5E-02	1.5E-02	4.6E-03	6.2E-03	7.7E-03
HHR59	1.2E-02	1.4E-02	1.4E-02	4.6E-03	6.2E-03	7.7E-03
HHR60	1.5E-02	1.8E-02	1.8E-02	5.0E-03	7.3E-03	8.8E-03
HHR61	2.1E-02	2.1E-02	2.2E-02	5.1E-03	5.9E-03	7.0E-03
HHR62	2.6E-02	2.6E-02	2.6E-02	5.8E-03	6.7E-03	7.9E-03
HHR63	4.8E-02	4.8E-02	4.9E-02	7.3E-03	8.0E-03	9.2E-03
HHR64	1.6E-02	1.6E-02	1.7E-02	6.2E-03	6.7E-03	8.5E-03
HHR65	5.4E-02	5.4E-02	5.4E-02	7.6E-03	8.3E-03	9.5E-03
HHR66	1.2E-02	1.3E-02	1.5E-02	5.6E-03	7.3E-03	1.0E-02
HHR67	1.7E-02	1.7E-02	1.8E-02	6.4E-03	8.2E-03	1.2E-02
HHR68	1.4E-02	1.4E-02	1.4E-02	6.1E-03	7.5E-03	9.0E-03
HHR69	9.7E-03	9.9E-03	1.0E-02	4.2E-03	4.6E-03	6.1E-03
HHR70	1.1E-02	1.2E-02	1.4E-02	4.7E-03	5.1E-03	6.7E-03
HHR71	2.7E-02	2.7E-02	2.7E-02	7.4E-03	7.8E-03	9.3E-03
HHR72	8.4E-03	9.0E-03	1.1E-02	3.7E-03	4.6E-03	6.0E-03
HHR73	1.7E-02	1.7E-02	1.8E-02	6.5E-03	7.6E-03	8.9E-03
HHR74	1.4E-02	1.5E-02	1.6E-02	5.6E-03	6.1E-03	7.6E-03
HHR75	2.2E-02	2.2E-02	2.3E-02	6.7E-03	7.3E-03	8.8E-03
HHR76	2.6E-02	2.6E-02	2.7E-02	8.1E-03	8.9E-03	1.0E-02
HHR77	8.1E-03	8.1E-03	1.4E-02	6.3E-03	7.0E-03	8.4E-03
HHR78	1.3E-02	1.3E-02	1.8E-02	6.3E-03	6.8E-03	8.7E-03
HHR79	1.2E-02	1.2E-02	1.8E-02	5.8E-03	6.3E-03	7.9E-03
HHR80	9.0E-03	9.1E-03	9.6E-03	5.0E-03	5.4E-03	7.3E-03
HHR81	9.5E-03	9.9E-03	1.2E-02	5.2E-03	5.7E-03	7.0E-03
HHR82	1.1E-02	1.1E-02	1.1E-02	5.1E-03	5.5E-03	6.9E-03
HHR83	1.0E-02	1.0E-02	1.1E-02	5.0E-03	5.5E-03	6.8E-03
MPOI	1.7E-01	2.9E-01	2.9E-01	3.9E-02	1.5E-01	1.5E-01

Table M6.2-7: Inhalation Exposure Hazard Quotient for Copper

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	6.5E-05	6.5E-05	2.1E-04	9.7E-07	1.0E-06	3.2E-06
HHR2	4.2E-05	4.2E-05	1.3E-04	1.1E-06	1.2E-06	2.7E-06
HHR3	4.8E-05	4.8E-05	7.3E-05	5.7E-07	6.2E-07	1.3E-06
HHR4	4.2E-05	4.2E-05	2.5E-04	1.4E-06	1.4E-06	3.9E-06
HHR5	2.4E-05	2.4E-05	9.2E-05	1.0E-06	1.1E-06	2.1E-06
HHR6	2.2E-05	2.3E-05	9.8E-05	6.1E-07	6.6E-07	1.7E-06
HHR7	7.5E-06	7.6E-06	3.0E-05	1.6E-07	1.7E-07	4.4E-07
HHR8	3.1E-05	3.2E-05	3.0E-04	1.1E-06	1.1E-06	5.3E-06
HHR9	3.6E-05	3.6E-05	2.5E-04	1.0E-06	1.0E-06	4.2E-06
HHR10	3.4E-05	3.5E-05	8.2E-05	1.5E-06	1.5E-06	2.3E-06
HHR11	1.9E-05	1.9E-05	1.4E-04	9.0E-07	9.4E-07	2.4E-06
HHR12	3.2E-05	3.3E-05	2.9E-04	1.6E-06	1.6E-06	5.2E-06
HHR13	3.8E-05	3.9E-05	1.4E-04	1.4E-06	1.4E-06	2.9E-06
HHR14	5.7E-05	5.7E-05	1.5E-04	9.6E-07	1.0E-06	2.8E-06
HHR15	8.8E-06	1.2E-05	3.0E-05	2.5E-07	3.1E-07	6.1E-07
HHR16	1.2E-05	1.2E-05	3.0E-04	4.7E-07	5.0E-07	3.9E-06
HHR17	1.4E-05	1.4E-05	7.9E-05	4.1E-07	4.3E-07	1.2E-06
HHR18	2.6E-05	2.6E-05	1.9E-04	1.1E-06	1.1E-06	2.8E-06
HHR19	2.9E-05	2.9E-05	1.3E-04	1.2E-06	1.2E-06	2.5E-06
HHR20	2.7E-05	2.7E-05	1.4E-04	1.3E-06	1.3E-06	2.7E-06
HHR21	2.8E-05	2.8E-05	1.4E-04	1.1E-06	1.2E-06	2.6E-06
HHR22	1.9E-05	1.9E-05	1.6E-04	7.6E-07	8.2E-07	2.6E-06
HHR23	3.7E-05	3.7E-05	2.6E-04	1.7E-06	1.7E-06	4.9E-06
HHR24	3.2E-05	3.2E-05	2.8E-04	1.7E-06	1.7E-06	5.1E-06
HHR25	1.5E-05	1.5E-05	9.1E-05	5.8E-07	6.5E-07	1.7E-06
HHR26	1.6E-05	1.7E-05	7.6E-05	5.3E-07	6.3E-07	1.4E-06
HHR27	1.3E-05	1.6E-05	5.7E-05	4.5E-07	5.4E-07	1.1E-06
HHR28	9.4E-06	9.7E-06	4.9E-05	2.5E-07	2.8E-07	7.3E-07
HHR29	3.9E-05	4.0E-05	1.2E-03	2.0E-06	2.0E-06	2.3E-05
HHR30	2.1E-05	2.2E-05	9.1E-05	4.8E-07	5.2E-07	1.4E-06
HHR31	9.1E-05	9.2E-05	6.4E-04	5.0E-06	5.0E-06	1.8E-05
HHR32	6.0E-05	6.0E-05	7.2E-04	3.7E-06	3.7E-06	1.6E-05
HHR33	8.3E-05	8.3E-05	4.0E-04	2.8E-06	2.8E-06	9.1E-06
HHR34	1.1E-05	1.1E-05	3.4E-04	4.6E-07	4.9E-07	4.3E-06
HHR35	5.5E-05	5.5E-05	7.7E-04	3.2E-06	3.2E-06	1.5E-05
HHR36	4.3E-05	4.4E-05	3.4E-04	1.8E-06	1.9E-06	6.1E-06
HHR37	3.5E-05	3.5E-05	1.0E-04	6.2E-07	6.6E-07	2.1E-06
HHR38	2.7E-05	2.7E-05	1.0E-03	1.4E-06	1.4E-06	1.5E-05
HHR39	1.4E-05	1.4E-05	9.1E-05	4.4E-07	4.6E-07	1.3E-06
HHR40	1.3E-05	1.3E-05	7.5E-05	4.0E-07	4.2E-07	1.2E-06
HHR41	1.6E-05	1.6E-05	8.2E-05	4.8E-07	5.0E-07	1.4E-06
HHR42	1.3E-05	1.3E-05	2.9E-04	4.9E-07	5.2E-07	3.6E-06
HHR43	4.4E-05	4.4E-05	2.3E-04	1.2E-06	1.3E-06	3.7E-06
HHR44	3.9E-05	3.9E-05	2.3E-04	1.7E-06	1.8E-06	4.3E-06
HHR45	8.8E-06	9.2E-06	4.3E-05	2.0E-07	2.3E-07	6.1E-07
HHR46	1.8E-05	1.8E-05	5.4E-05	4.3E-07	4.9E-07	1.1E-06
HHR47	1.2E-05	1.3E-05	6.0E-05	5.4E-07	5.9E-07	1.2E-06
HHR48	1.1E-05	1.2E-05	8.4E-05	3.8E-07	4.0E-07	1.1E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.5E-05	1.5E-05	5.4E-05	4.1E-07	4.8E-07	1.1E-06
HHR50	1.6E-05	2.0E-05	6.3E-05	5.9E-07	6.4E-07	1.3E-06
HHR51	1.4E-05	1.4E-05	5.3E-05	3.7E-07	4.4E-07	9.9E-07
HHR52	1.8E-05	1.8E-05	7.4E-05	1.1E-06	1.1E-06	1.9E-06
HHR53	2.4E-05	2.4E-05	6.1E-05	6.0E-07	6.7E-07	1.3E-06
HHR54	1.7E-05	1.8E-05	7.3E-05	1.0E-06	1.0E-06	1.8E-06
HHR55	1.5E-05	1.7E-05	6.6E-05	6.5E-07	7.0E-07	1.3E-06
HHR56	1.6E-05	1.6E-05	6.6E-05	7.9E-07	8.2E-07	1.6E-06
HHR57	2.4E-05	2.4E-05	7.5E-05	6.9E-07	7.3E-07	1.6E-06
HHR58	1.6E-05	1.7E-05	3.7E-05	3.7E-07	4.6E-07	8.2E-07
HHR59	1.4E-05	1.6E-05	3.7E-05	3.8E-07	4.8E-07	8.2E-07
HHR60	1.7E-05	2.0E-05	4.4E-05	4.2E-07	5.6E-07	9.4E-07
HHR61	3.6E-05	3.6E-05	8.3E-05	8.1E-07	8.5E-07	1.9E-06
HHR62	5.5E-05	5.5E-05	8.2E-05	1.3E-06	1.3E-06	2.3E-06
HHR63	5.2E-05	5.2E-05	1.3E-04	9.4E-07	9.9E-07	2.5E-06
HHR64	2.7E-05	2.7E-05	1.0E-04	6.6E-07	6.9E-07	1.7E-06
HHR65	5.8E-05	5.8E-05	1.9E-04	9.5E-07	9.9E-07	3.0E-06
HHR66	1.3E-05	1.6E-05	5.8E-05	4.5E-07	5.5E-07	1.1E-06
HHR67	1.9E-05	1.9E-05	8.2E-05	5.2E-07	6.3E-07	1.4E-06
HHR68	1.6E-05	1.6E-05	8.6E-05	5.5E-07	6.3E-07	1.5E-06
HHR69	1.1E-05	1.1E-05	9.1E-05	3.4E-07	3.6E-07	1.0E-06
HHR70	1.3E-05	1.3E-05	1.0E-04	3.9E-07	4.1E-07	1.2E-06
HHR71	8.8E-05	8.8E-05	2.0E-04	2.1E-06	2.1E-06	3.6E-06
HHR72	9.2E-06	9.9E-06	4.3E-05	2.9E-07	3.4E-07	7.1E-07
HHR73	2.0E-05	2.0E-05	1.4E-04	6.9E-07	7.6E-07	2.3E-06
HHR74	2.6E-05	2.6E-05	1.7E-04	1.1E-06	1.2E-06	2.8E-06
HHR75	2.9E-05	2.9E-05	2.5E-04	1.3E-06	1.3E-06	4.4E-06
HHR76	3.3E-05	3.3E-05	1.5E-04	1.3E-06	1.3E-06	3.3E-06
HHR77	3.2E-05	3.2E-05	1.3E-04	1.1E-06	1.1E-06	2.5E-06
HHR78	2.9E-05	2.9E-05	1.1E-04	8.7E-07	9.0E-07	2.0E-06
HHR79	2.3E-05	2.3E-05	1.5E-04	1.0E-06	1.1E-06	2.5E-06
HHR80	1.7E-05	1.7E-05	3.6E-04	7.2E-07	7.6E-07	5.3E-06
HHR81	1.5E-05	1.5E-05	2.2E-04	6.3E-07	6.7E-07	2.8E-06
HHR82	1.4E-05	1.5E-05	2.5E-04	5.9E-07	6.2E-07	3.1E-06
HHR83	1.5E-05	1.5E-05	2.4E-04	6.0E-07	6.3E-07	2.9E-06
MPOI	3.9E-04	3.9E-04	4.2E-02	1.9E-05	1.9E-05	6.0E-04

Table M6.2-8: Inhalation Exposure Hazard Quotient for Manganese

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	4.6E-03	4.6E-03	4.6E-03	4.0E-04	4.1E-04	4.4E-04
HHR2	8.1E-03	8.1E-03	8.1E-03	5.7E-04	5.8E-04	6.1E-04
HHR3	3.6E-03	3.6E-03	3.7E-03	5.2E-04	5.3E-04	5.7E-04
HHR4	3.6E-03	3.6E-03	3.6E-03	4.3E-04	4.4E-04	4.8E-04
HHR5	2.1E-02	2.1E-02	2.1E-02	1.2E-03	1.3E-03	1.3E-03
HHR6	3.4E-03	3.4E-03	3.4E-03	4.5E-04	4.6E-04	5.1E-04
HHR7	3.3E-03	3.3E-03	3.4E-03	3.5E-04	3.6E-04	3.7E-04
HHR8	3.3E-03	3.3E-03	3.3E-03	3.3E-04	3.4E-04	4.1E-04
HHR9	5.0E-03	5.0E-03	5.0E-03	3.4E-04	3.4E-04	4.0E-04
HHR10	1.1E-02	1.1E-02	1.1E-02	8.7E-04	8.7E-04	9.2E-04
HHR11	2.5E-03	2.5E-03	2.5E-03	3.4E-04	3.5E-04	3.8E-04
HHR12	3.0E-03	3.0E-03	3.0E-03	3.9E-04	4.0E-04	4.5E-04
HHR13	2.5E-03	2.5E-03	2.5E-03	3.8E-04	3.9E-04	4.2E-04
HHR14	4.2E-03	4.2E-03	4.3E-03	4.8E-04	4.9E-04	5.2E-04
HHR15	6.9E-03	6.9E-03	6.9E-03	4.3E-04	4.4E-04	4.6E-04
HHR16	1.6E-03	1.6E-03	1.6E-03	2.1E-04	2.1E-04	2.7E-04
HHR17	1.7E-03	1.7E-03	1.7E-03	2.4E-04	2.4E-04	2.6E-04
HHR18	1.7E-03	1.7E-03	1.7E-03	2.9E-04	2.9E-04	3.3E-04
HHR19	1.8E-03	1.8E-03	1.8E-03	3.5E-04	3.6E-04	3.9E-04
HHR20	1.8E-03	1.8E-03	1.8E-03	3.4E-04	3.5E-04	3.8E-04
HHR21	2.5E-03	2.5E-03	2.5E-03	3.6E-04	3.7E-04	4.0E-04
HHR22	4.0E-03	4.0E-03	4.0E-03	4.0E-04	4.1E-04	4.4E-04
HHR23	3.1E-03	3.1E-03	3.1E-03	4.1E-04	4.2E-04	4.6E-04
HHR24	3.1E-03	3.1E-03	3.1E-03	4.0E-04	4.1E-04	4.6E-04
HHR25	4.7E-03	4.7E-03	4.7E-03	5.0E-04	5.1E-04	5.4E-04
HHR26	6.1E-03	6.1E-03	6.1E-03	6.6E-04	6.8E-04	7.2E-04
HHR27	4.9E-03	4.9E-03	4.9E-03	5.6E-04	5.8E-04	6.1E-04
HHR28	2.7E-03	2.7E-03	2.7E-03	3.4E-04	3.5E-04	3.8E-04
HHR29	1.9E-03	1.9E-03	2.0E-03	3.5E-04	3.5E-04	6.6E-04
HHR30	1.0E-02	1.0E-02	1.0E-02	4.7E-04	4.8E-04	5.0E-04
HHR31	3.4E-03	3.4E-03	3.5E-03	6.6E-04	6.6E-04	8.5E-04
HHR32	2.7E-03	2.7E-03	2.7E-03	4.9E-04	4.9E-04	6.8E-04
HHR33	3.0E-03	3.0E-03	3.0E-03	4.2E-04	4.2E-04	5.3E-04
HHR34	1.4E-03	1.4E-03	1.4E-03	2.0E-04	2.1E-04	2.7E-04
HHR35	2.3E-03	2.4E-03	2.4E-03	4.4E-04	4.5E-04	6.2E-04
HHR36	3.2E-03	3.2E-03	3.2E-03	3.8E-04	3.9E-04	4.6E-04
HHR37	1.6E-02	1.6E-02	1.6E-02	8.0E-04	8.1E-04	8.6E-04
HHR38	2.4E-03	2.4E-03	2.4E-03	3.2E-04	3.3E-04	5.3E-04
HHR39	1.8E-03	1.8E-03	1.8E-03	2.7E-04	2.8E-04	3.0E-04
HHR40	1.7E-03	1.7E-03	1.7E-03	2.4E-04	2.5E-04	2.7E-04
HHR41	1.7E-03	1.7E-03	1.7E-03	2.4E-04	2.5E-04	2.7E-04
HHR42	1.7E-03	1.7E-03	1.7E-03	2.2E-04	2.2E-04	2.8E-04
HHR43	4.0E-03	4.0E-03	4.0E-03	4.4E-04	4.5E-04	4.9E-04
HHR44	3.7E-03	3.7E-03	3.7E-03	4.6E-04	4.6E-04	5.0E-04
HHR45	2.9E-03	2.9E-03	3.0E-03	3.2E-04	3.3E-04	3.5E-04
HHR46	1.5E-02	1.5E-02	1.5E-02	8.2E-04	8.3E-04	8.7E-04
HHR47	1.2E-02	1.2E-02	1.2E-02	7.8E-04	7.9E-04	8.2E-04
HHR48	1.7E-03	1.7E-03	1.7E-03	2.5E-04	2.6E-04	2.8E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.3E-02	1.3E-02	1.3E-02	9.3E-04	9.5E-04	9.8E-04
HHR50	1.4E-02	1.4E-02	1.4E-02	8.1E-04	8.2E-04	8.5E-04
HHR51	1.2E-02	1.2E-02	1.2E-02	1.0E-03	1.0E-03	1.1E-03
HHR52	1.0E-02	1.0E-02	1.0E-02	9.6E-04	9.6E-04	9.9E-04
HHR53	1.8E-02	1.8E-02	1.8E-02	1.1E-03	1.1E-03	1.2E-03
HHR54	1.3E-02	1.3E-02	1.3E-02	1.1E-03	1.2E-03	1.2E-03
HHR55	1.1E-02	1.1E-02	1.1E-02	7.7E-04	7.8E-04	8.1E-04
HHR56	2.4E-02	2.4E-02	2.4E-02	1.8E-03	1.8E-03	1.8E-03
HHR57	2.4E-02	2.4E-02	2.4E-02	1.1E-03	1.1E-03	1.2E-03
HHR58	1.0E-02	1.0E-02	1.0E-02	1.0E-03	1.0E-03	1.0E-03
HHR59	9.2E-03	9.2E-03	9.2E-03	1.0E-03	1.1E-03	1.1E-03
HHR60	1.1E-02	1.1E-02	1.1E-02	1.2E-03	1.2E-03	1.2E-03
HHR61	9.2E-03	9.2E-03	9.2E-03	6.9E-04	7.0E-04	7.2E-04
HHR62	8.0E-03	8.0E-03	8.0E-03	6.8E-04	6.9E-04	7.2E-04
HHR63	4.6E-03	4.6E-03	4.6E-03	5.1E-04	5.2E-04	5.5E-04
HHR64	1.9E-03	1.9E-03	1.9E-03	3.2E-04	3.2E-04	3.6E-04
HHR65	4.3E-03	4.3E-03	4.3E-03	4.8E-04	4.9E-04	5.2E-04
HHR66	5.0E-03	5.1E-03	5.1E-03	5.9E-04	6.0E-04	6.4E-04
HHR67	6.6E-03	6.7E-03	6.7E-03	7.3E-04	7.5E-04	7.9E-04
HHR68	4.9E-03	4.9E-03	4.9E-03	5.6E-04	5.8E-04	6.1E-04
HHR69	1.8E-03	1.8E-03	1.8E-03	2.5E-04	2.5E-04	2.8E-04
HHR70	1.8E-03	1.8E-03	1.8E-03	2.6E-04	2.7E-04	2.9E-04
HHR71	1.9E-03	1.9E-03	1.9E-03	4.5E-04	4.6E-04	4.9E-04
HHR72	3.9E-03	4.0E-03	4.0E-03	4.0E-04	4.1E-04	4.3E-04
HHR73	4.6E-03	4.6E-03	4.6E-03	4.2E-04	4.3E-04	4.6E-04
HHR74	1.7E-03	1.7E-03	1.7E-03	3.0E-04	3.1E-04	3.4E-04
HHR75	2.4E-03	2.4E-03	2.4E-03	3.7E-04	3.8E-04	4.2E-04
HHR76	2.9E-03	2.9E-03	2.9E-03	3.8E-04	3.9E-04	4.2E-04
HHR77	2.6E-03	2.6E-03	2.6E-03	3.7E-04	3.8E-04	4.1E-04
HHR78	1.9E-03	1.9E-03	1.9E-03	3.5E-04	3.6E-04	3.9E-04
HHR79	2.0E-03	2.0E-03	2.0E-03	3.3E-04	3.3E-04	3.7E-04
HHR80	2.2E-03	2.2E-03	2.2E-03	2.7E-04	2.8E-04	3.4E-04
HHR81	1.9E-03	1.9E-03	1.9E-03	2.6E-04	2.6E-04	3.0E-04
HHR82	2.0E-03	2.0E-03	2.0E-03	2.5E-04	2.5E-04	2.9E-04
HHR83	1.9E-03	1.9E-03	1.9E-03	2.5E-04	2.5E-04	2.9E-04
MPOI	6.1E-02	6.1E-02	6.1E-02	3.9E-03	3.9E-03	8.2E-03

Table M6.2-9: Inhalation Exposure Hazard Quotient for Molybdenum

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	3.5E-07	3.5E-07	3.5E-07	1.2E-08	1.2E-08	1.2E-08
HHR2	3.0E-07	3.0E-07	3.0E-07	9.9E-09	9.9E-09	9.9E-09
HHR3	1.1E-07	1.1E-07	1.1E-07	1.2E-08	1.2E-08	1.2E-08
HHR4	2.2E-07	2.2E-07	2.2E-07	9.4E-09	9.4E-09	9.4E-09
HHR5	2.8E-07	2.8E-07	2.8E-07	2.5E-08	2.5E-08	2.5E-08
HHR6	1.0E-07	1.0E-07	1.0E-07	1.1E-08	1.1E-08	1.1E-08
HHR7	3.9E-08	3.9E-08	3.9E-08	4.3E-09	4.3E-09	4.3E-09
HHR8	1.8E-07	1.8E-07	1.8E-07	7.1E-09	7.1E-09	7.1E-09
HHR9	2.1E-07	2.1E-07	2.1E-07	7.7E-09	7.7E-09	7.7E-09
HHR10	7.0E-08	7.0E-08	7.0E-08	8.1E-09	8.1E-09	8.2E-09
HHR11	6.4E-08	6.4E-08	6.4E-08	6.2E-09	6.2E-09	6.2E-09
HHR12	1.3E-07	1.3E-07	1.3E-07	7.5E-09	7.5E-09	7.5E-09
HHR13	6.3E-08	6.3E-08	6.3E-08	6.5E-09	6.5E-09	6.5E-09
HHR14	4.1E-07	4.1E-07	4.1E-07	2.0E-08	2.0E-08	2.0E-08
HHR15	7.3E-08	7.3E-08	7.3E-08	1.1E-08	1.1E-08	1.1E-08
HHR16	3.6E-08	3.6E-08	3.6E-08	3.8E-09	3.8E-09	3.8E-09
HHR17	3.4E-08	3.4E-08	3.4E-08	5.5E-09	5.5E-09	5.5E-09
HHR18	5.8E-08	5.8E-08	5.8E-08	4.6E-09	4.6E-09	4.6E-09
HHR19	4.6E-08	4.6E-08	4.6E-08	6.3E-09	6.3E-09	6.3E-09
HHR20	5.3E-08	5.3E-08	5.3E-08	5.6E-09	5.6E-09	5.6E-09
HHR21	6.3E-08	6.3E-08	6.3E-08	6.4E-09	6.4E-09	6.4E-09
HHR22	1.4E-07	1.4E-07	1.4E-07	8.2E-09	8.2E-09	8.2E-09
HHR23	1.7E-07	1.7E-07	1.7E-07	7.8E-09	7.8E-09	7.8E-09
HHR24	1.5E-07	1.5E-07	1.5E-07	7.7E-09	7.7E-09	7.7E-09
HHR25	9.3E-08	9.3E-08	9.3E-08	1.6E-08	1.6E-08	1.6E-08
HHR26	1.6E-07	1.6E-07	1.6E-07	1.6E-08	1.6E-08	1.6E-08
HHR27	1.3E-07	1.3E-07	1.3E-07	1.6E-08	1.6E-08	1.6E-08
HHR28	4.3E-08	4.3E-08	4.3E-08	5.0E-09	5.0E-09	5.0E-09
HHR29	6.5E-08	6.5E-08	6.5E-08	4.8E-09	4.8E-09	4.8E-09
HHR30	1.6E-07	1.6E-07	1.6E-07	1.1E-08	1.1E-08	1.1E-08
HHR31	8.2E-08	8.2E-08	8.2E-08	5.2E-09	5.2E-09	5.2E-09
HHR32	7.5E-08	7.5E-08	7.5E-08	5.2E-09	5.2E-09	5.2E-09
HHR33	9.0E-08	9.0E-08	9.0E-08	6.0E-09	6.0E-09	6.0E-09
HHR34	3.5E-08	3.5E-08	3.5E-08	3.7E-09	3.7E-09	3.7E-09
HHR35	6.2E-08	6.2E-08	6.2E-08	5.3E-09	5.3E-09	5.3E-09
HHR36	1.1E-07	1.1E-07	1.1E-07	7.1E-09	7.1E-09	7.1E-09
HHR37	4.2E-07	4.2E-07	4.2E-07	1.7E-08	1.7E-08	1.7E-08
HHR38	5.2E-08	5.2E-08	5.2E-08	5.2E-09	5.2E-09	5.2E-09
HHR39	4.3E-08	4.3E-08	4.3E-08	6.3E-09	6.3E-09	6.3E-09
HHR40	3.6E-08	3.6E-08	3.7E-08	5.8E-09	5.8E-09	5.8E-09
HHR41	3.2E-08	3.2E-08	3.2E-08	5.3E-09	5.3E-09	5.3E-09
HHR42	4.0E-08	4.0E-08	4.0E-08	3.9E-09	3.9E-09	3.9E-09
HHR43	2.1E-07	2.1E-07	2.1E-07	9.4E-09	9.4E-09	9.4E-09
HHR44	2.0E-07	2.0E-07	2.0E-07	8.4E-09	8.4E-09	8.5E-09
HHR45	3.8E-08	3.8E-08	3.8E-08	4.4E-09	4.4E-09	4.4E-09
HHR46	7.7E-08	7.7E-08	7.7E-08	7.3E-09	7.3E-09	7.3E-09
HHR47	7.1E-08	7.1E-08	7.1E-08	7.9E-09	7.9E-09	7.9E-09
HHR48	3.7E-08	3.7E-08	3.7E-08	6.0E-09	6.0E-09	6.0E-09

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	7.5E-08	7.5E-08	7.5E-08	6.6E-09	6.6E-09	6.6E-09
HHR50	7.6E-08	7.6E-08	7.6E-08	8.4E-09	8.4E-09	8.5E-09
HHR51	1.0E-07	1.0E-07	1.0E-07	6.4E-09	6.4E-09	6.4E-09
HHR52	9.2E-08	9.2E-08	9.2E-08	9.2E-09	9.2E-09	9.2E-09
HHR53	9.0E-08	9.0E-08	9.0E-08	8.4E-09	8.4E-09	8.4E-09
HHR54	1.4E-07	1.4E-07	1.4E-07	1.0E-08	1.0E-08	1.0E-08
HHR55	6.8E-08	6.8E-08	6.8E-08	8.9E-09	8.9E-09	8.9E-09
HHR56	1.3E-07	1.3E-07	1.3E-07	1.3E-08	1.3E-08	1.3E-08
HHR57	2.4E-07	2.4E-07	2.4E-07	1.9E-08	1.9E-08	1.9E-08
HHR58	1.4E-07	1.4E-07	1.4E-07	1.0E-08	1.0E-08	1.0E-08
HHR59	1.5E-07	1.5E-07	1.5E-07	1.2E-08	1.2E-08	1.2E-08
HHR60	1.7E-07	1.7E-07	1.7E-07	1.5E-08	1.5E-08	1.5E-08
HHR61	4.1E-07	4.1E-07	4.1E-07	4.1E-08	4.1E-08	4.1E-08
HHR62	6.5E-07	6.5E-07	6.5E-07	5.9E-08	5.9E-08	5.9E-08
HHR63	4.8E-07	4.8E-07	4.8E-07	2.1E-08	2.1E-08	2.1E-08
HHR64	4.6E-08	4.6E-08	4.6E-08	7.0E-09	7.0E-09	7.1E-09
HHR65	2.9E-07	2.9E-07	2.9E-07	1.3E-08	1.3E-08	1.3E-08
HHR66	1.4E-07	1.4E-07	1.4E-07	1.7E-08	1.7E-08	1.7E-08
HHR67	2.1E-07	2.1E-07	2.1E-07	1.9E-08	1.9E-08	1.9E-08
HHR68	1.4E-07	1.4E-07	1.4E-07	1.7E-08	1.7E-08	1.7E-08
HHR69	3.6E-08	3.6E-08	3.6E-08	6.0E-09	6.0E-09	6.0E-09
HHR70	3.8E-08	3.8E-08	3.8E-08	6.3E-09	6.3E-09	6.3E-09
HHR71	5.0E-08	5.0E-08	5.0E-08	4.7E-09	4.7E-09	4.7E-09
HHR72	7.7E-08	7.7E-08	7.7E-08	1.1E-08	1.1E-08	1.1E-08
HHR73	1.5E-07	1.5E-07	1.5E-07	8.9E-09	8.9E-09	8.9E-09
HHR74	5.6E-08	5.6E-08	5.6E-08	4.8E-09	4.8E-09	4.8E-09
HHR75	1.0E-07	1.0E-07	1.0E-07	6.9E-09	6.9E-09	6.9E-09
HHR76	8.4E-08	8.4E-08	8.4E-08	6.5E-09	6.5E-09	6.5E-09
HHR77	5.9E-08	5.9E-08	5.9E-08	6.8E-09	6.8E-09	6.8E-09
HHR78	5.0E-08	5.0E-08	5.0E-08	7.3E-09	7.3E-09	7.3E-09
HHR79	5.8E-08	5.8E-08	5.8E-08	5.5E-09	5.5E-09	5.5E-09
HHR80	5.2E-08	5.2E-08	5.2E-08	5.1E-09	5.1E-09	5.1E-09
HHR81	5.9E-08	5.9E-08	5.9E-08	4.9E-09	4.9E-09	4.9E-09
HHR82	5.1E-08	5.1E-08	5.1E-08	4.6E-09	4.6E-09	4.6E-09
HHR83	5.6E-08	5.6E-08	5.6E-08	4.7E-09	4.7E-09	4.7E-09
MPOI	1.5E-06	1.5E-06	1.5E-06	8.3E-08	8.3E-08	8.3E-08

Table M6.2-10: Inhalation Exposure Hazard Quotient for Nickel

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.1E-03	1.1E-03	1.2E-03	5.1E-03	5.4E-03	6.0E-03
HHR2	9.5E-04	9.6E-04	9.6E-04	5.6E-03	5.9E-03	6.6E-03
HHR3	8.0E-04	8.0E-04	8.8E-04	5.5E-03	5.9E-03	7.7E-03
HHR4	7.4E-04	7.4E-04	7.5E-04	5.6E-03	5.9E-03	6.7E-03
HHR5	9.1E-04	9.1E-04	9.1E-04	5.5E-03	5.8E-03	6.6E-03
HHR6	3.7E-04	3.9E-04	1.0E-03	5.1E-03	5.5E-03	7.3E-03
HHR7	1.8E-04	1.8E-04	1.9E-04	1.5E-03	1.6E-03	2.4E-03
HHR8	6.0E-04	6.0E-04	6.1E-04	3.9E-03	4.2E-03	5.0E-03
HHR9	6.9E-04	6.9E-04	7.1E-04	4.3E-03	4.5E-03	5.3E-03
HHR10	5.2E-04	5.3E-04	6.1E-04	1.2E-02	1.2E-02	1.4E-02
HHR11	2.3E-04	2.4E-04	2.7E-04	4.6E-03	4.9E-03	5.7E-03
HHR12	9.6E-04	9.7E-04	9.7E-04	7.6E-03	7.9E-03	8.9E-03
HHR13	2.2E-04	2.3E-04	2.4E-04	5.0E-03	5.4E-03	6.2E-03
HHR14	1.3E-03	1.3E-03	1.3E-03	6.5E-03	6.8E-03	7.5E-03
HHR15	2.3E-04	2.7E-04	2.7E-04	2.8E-03	3.3E-03	4.0E-03
HHR16	2.5E-04	2.5E-04	2.5E-04	2.9E-03	3.1E-03	3.9E-03
HHR17	2.1E-04	2.1E-04	2.3E-04	3.4E-03	3.6E-03	4.3E-03
HHR18	2.8E-04	2.9E-04	3.1E-04	3.9E-03	4.2E-03	5.0E-03
HHR19	2.3E-04	2.3E-04	3.4E-04	4.5E-03	4.7E-03	5.7E-03
HHR20	2.8E-04	2.8E-04	3.3E-04	4.4E-03	4.7E-03	5.5E-03
HHR21	2.3E-04	2.3E-04	2.5E-04	4.9E-03	5.2E-03	6.0E-03
HHR22	4.8E-04	4.9E-04	5.1E-04	5.1E-03	5.6E-03	6.4E-03
HHR23	1.8E-03	1.8E-03	1.8E-03	9.9E-03	1.0E-02	1.1E-02
HHR24	1.4E-03	1.4E-03	1.4E-03	9.0E-03	9.3E-03	1.0E-02
HHR25	3.0E-04	3.0E-04	3.1E-04	5.2E-03	5.8E-03	6.6E-03
HHR26	5.0E-04	5.0E-04	5.1E-04	5.3E-03	6.0E-03	7.9E-03
HHR27	4.1E-04	4.5E-04	4.6E-04	4.7E-03	5.5E-03	7.0E-03
HHR28	2.1E-04	2.1E-04	3.2E-04	2.1E-03	2.4E-03	3.6E-03
HHR29	3.4E-04	3.4E-04	3.6E-04	4.4E-03	4.6E-03	6.3E-03
HHR30	5.4E-04	5.4E-04	5.4E-04	3.6E-03	3.8E-03	4.5E-03
HHR31	5.6E-04	5.6E-04	5.9E-04	8.5E-03	8.7E-03	1.0E-02
HHR32	3.9E-04	4.0E-04	4.1E-04	6.3E-03	6.5E-03	8.1E-03
HHR33	4.1E-04	4.1E-04	4.2E-04	4.9E-03	5.2E-03	6.2E-03
HHR34	2.3E-04	2.4E-04	2.4E-04	2.9E-03	3.1E-03	3.9E-03
HHR35	3.2E-04	3.2E-04	3.3E-04	5.8E-03	6.0E-03	7.5E-03
HHR36	6.2E-04	6.2E-04	6.3E-04	5.5E-03	5.8E-03	6.8E-03
HHR37	1.4E-03	1.4E-03	1.4E-03	4.2E-03	4.5E-03	5.4E-03
HHR38	3.4E-04	3.4E-04	3.5E-04	4.6E-03	4.8E-03	6.5E-03
HHR39	2.2E-04	2.3E-04	2.5E-04	3.7E-03	3.9E-03	4.7E-03
HHR40	1.9E-04	2.0E-04	2.3E-04	3.4E-03	3.6E-03	4.3E-03
HHR41	2.4E-04	2.6E-04	2.7E-04	3.8E-03	4.0E-03	4.7E-03
HHR42	2.6E-04	2.7E-04	2.7E-04	3.1E-03	3.3E-03	4.1E-03
HHR43	7.1E-04	7.1E-04	7.2E-04	5.6E-03	5.9E-03	6.7E-03
HHR44	6.9E-04	7.0E-04	7.1E-04	6.1E-03	6.5E-03	7.3E-03
HHR45	1.9E-04	2.0E-04	2.8E-04	1.7E-03	2.0E-03	2.9E-03
HHR46	3.9E-04	3.9E-04	4.5E-04	3.4E-03	3.9E-03	5.6E-03
HHR47	3.0E-04	3.0E-04	3.1E-04	4.0E-03	4.4E-03	5.5E-03
HHR48	1.9E-04	1.9E-04	2.2E-04	3.3E-03	3.5E-03	4.3E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	3.7E-04	3.7E-04	5.2E-04	3.2E-03	3.8E-03	5.2E-03
HHR50	3.2E-04	3.3E-04	3.4E-04	4.2E-03	4.6E-03	5.6E-03
HHR51	3.7E-04	3.7E-04	4.1E-04	3.1E-03	3.7E-03	5.0E-03
HHR52	3.3E-04	3.3E-04	3.4E-04	5.5E-03	5.8E-03	6.7E-03
HHR53	4.1E-04	4.1E-04	4.2E-04	4.6E-03	5.1E-03	6.3E-03
HHR54	4.8E-04	4.8E-04	4.9E-04	4.8E-03	5.1E-03	6.0E-03
HHR55	3.0E-04	3.1E-04	3.2E-04	4.5E-03	4.9E-03	5.9E-03
HHR56	4.5E-04	4.5E-04	4.5E-04	4.5E-03	4.9E-03	5.7E-03
HHR57	8.1E-04	8.1E-04	8.1E-04	4.5E-03	4.9E-03	5.5E-03
HHR58	4.7E-04	4.7E-04	4.7E-04	3.6E-03	4.4E-03	5.2E-03
HHR59	4.9E-04	4.9E-04	4.9E-04	3.7E-03	4.6E-03	5.4E-03
HHR60	5.3E-04	5.5E-04	5.5E-04	4.2E-03	5.4E-03	6.2E-03
HHR61	1.4E-03	1.4E-03	1.4E-03	6.8E-03	7.2E-03	7.8E-03
HHR62	2.1E-03	2.1E-03	2.1E-03	8.5E-03	8.9E-03	9.6E-03
HHR63	1.6E-03	1.6E-03	1.6E-03	6.1E-03	6.5E-03	7.2E-03
HHR64	2.9E-04	2.9E-04	3.1E-04	4.5E-03	4.8E-03	5.8E-03
HHR65	9.9E-04	9.9E-04	1.0E-03	5.8E-03	6.2E-03	6.9E-03
HHR66	4.6E-04	4.7E-04	4.7E-04	4.7E-03	5.6E-03	7.2E-03
HHR67	6.6E-04	6.7E-04	6.7E-04	5.4E-03	6.3E-03	8.5E-03
HHR68	4.4E-04	4.4E-04	4.4E-04	5.2E-03	6.0E-03	6.8E-03
HHR69	1.7E-04	1.8E-04	2.0E-04	3.0E-03	3.2E-03	4.0E-03
HHR70	2.0E-04	2.1E-04	2.4E-04	3.4E-03	3.6E-03	4.4E-03
HHR71	6.1E-04	6.2E-04	6.2E-04	6.6E-03	6.8E-03	7.7E-03
HHR72	2.5E-04	2.6E-04	2.7E-04	3.1E-03	3.5E-03	4.3E-03
HHR73	4.9E-04	5.0E-04	5.1E-04	4.9E-03	5.5E-03	6.2E-03
HHR74	2.6E-04	2.7E-04	3.0E-04	4.1E-03	4.4E-03	5.2E-03
HHR75	5.4E-04	5.4E-04	5.6E-04	6.2E-03	6.5E-03	7.4E-03
HHR76	5.4E-04	5.4E-04	5.4E-04	6.1E-03	6.5E-03	7.3E-03
HHR77	2.2E-04	2.2E-04	2.5E-04	4.7E-03	5.1E-03	5.9E-03
HHR78	2.4E-04	2.4E-04	3.1E-04	4.7E-03	5.0E-03	6.0E-03
HHR79	2.5E-04	2.6E-04	3.4E-04	4.3E-03	4.6E-03	5.4E-03
HHR80	2.8E-04	2.8E-04	2.9E-04	3.6E-03	3.9E-03	5.0E-03
HHR81	2.9E-04	3.0E-04	3.0E-04	3.8E-03	4.0E-03	4.8E-03
HHR82	2.9E-04	3.0E-04	3.0E-04	3.7E-03	3.9E-03	4.7E-03
HHR83	3.0E-04	3.1E-04	3.1E-04	3.6E-03	3.9E-03	4.6E-03
MPOI	4.7E-03	5.1E-03	5.1E-03	4.8E-02	7.9E-02	8.0E-02

Table M6.2-11: Inhalation Exposure Hazard Quotient for Selenium

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	4.8E-05	4.8E-05	4.8E-05	2.4E-06	2.4E-06	2.6E-06
HHR2	4.3E-05	4.3E-05	4.4E-05	3.9E-06	3.9E-06	4.1E-06
HHR3	8.7E-06	8.7E-06	8.7E-06	1.6E-06	1.7E-06	2.1E-06
HHR4	2.4E-05	2.4E-05	2.4E-05	2.0E-06	2.1E-06	2.2E-06
HHR5	1.4E-05	1.4E-05	1.4E-05	1.4E-06	1.5E-06	1.6E-06
HHR6	7.3E-06	7.3E-06	7.3E-06	1.8E-06	1.8E-06	2.1E-06
HHR7	3.3E-06	3.3E-06	3.3E-06	5.3E-07	5.4E-07	8.5E-07
HHR8	1.8E-05	1.8E-05	1.8E-05	1.3E-06	1.4E-06	1.5E-06
HHR9	2.3E-05	2.3E-05	2.3E-05	1.4E-06	1.5E-06	1.6E-06
HHR10	6.1E-06	6.1E-06	6.1E-06	1.1E-06	1.1E-06	1.3E-06
HHR11	5.0E-06	5.0E-06	5.1E-06	1.7E-06	1.8E-06	1.9E-06
HHR12	1.4E-05	1.4E-05	1.4E-05	1.5E-06	1.6E-06	1.7E-06
HHR13	5.5E-06	5.5E-06	5.5E-06	1.8E-06	1.9E-06	2.1E-06
HHR14	4.5E-05	4.5E-05	4.5E-05	4.0E-06	4.1E-06	4.2E-06
HHR15	6.7E-06	6.7E-06	9.8E-06	9.7E-07	1.0E-06	1.4E-06
HHR16	4.8E-06	4.8E-06	4.8E-06	9.4E-07	9.6E-07	1.1E-06
HHR17	3.6E-06	3.6E-06	3.6E-06	9.8E-07	1.0E-06	1.2E-06
HHR18	4.9E-06	4.9E-06	4.9E-06	1.3E-06	1.3E-06	1.5E-06
HHR19	4.6E-06	4.7E-06	4.7E-06	1.4E-06	1.4E-06	1.6E-06
HHR20	4.5E-06	4.5E-06	4.5E-06	1.4E-06	1.5E-06	1.7E-06
HHR21	5.5E-06	5.5E-06	5.5E-06	1.8E-06	1.9E-06	2.0E-06
HHR22	1.2E-05	1.2E-05	1.2E-05	2.7E-06	2.8E-06	3.0E-06
HHR23	1.7E-05	1.7E-05	1.7E-05	1.6E-06	1.7E-06	1.8E-06
HHR24	1.6E-05	1.6E-05	1.6E-05	1.6E-06	1.6E-06	1.8E-06
HHR25	1.1E-05	1.1E-05	1.1E-05	2.7E-06	2.8E-06	2.9E-06
HHR26	1.2E-05	1.2E-05	1.2E-05	2.0E-06	2.1E-06	2.4E-06
HHR27	9.5E-06	9.5E-06	9.5E-06	1.7E-06	1.8E-06	2.1E-06
HHR28	3.6E-06	3.6E-06	3.6E-06	6.0E-07	6.4E-07	8.8E-07
HHR29	6.5E-06	6.5E-06	6.7E-06	9.9E-07	1.0E-06	1.2E-06
HHR30	1.3E-05	1.3E-05	1.3E-05	1.6E-06	1.6E-06	1.7E-06
HHR31	7.9E-06	7.9E-06	8.0E-06	1.1E-06	1.1E-06	1.3E-06
HHR32	7.8E-06	7.8E-06	7.9E-06	1.1E-06	1.1E-06	1.3E-06
HHR33	1.2E-05	1.2E-05	1.2E-05	1.1E-06	1.1E-06	1.3E-06
HHR34	4.7E-06	4.7E-06	4.7E-06	9.3E-07	9.6E-07	1.1E-06
HHR35	7.2E-06	7.2E-06	7.3E-06	1.1E-06	1.1E-06	1.3E-06
HHR36	1.3E-05	1.3E-05	1.3E-05	1.4E-06	1.4E-06	1.6E-06
HHR37	1.1E-05	1.1E-05	1.1E-05	1.7E-06	1.7E-06	1.9E-06
HHR38	6.4E-06	6.4E-06	6.4E-06	1.1E-06	1.1E-06	1.4E-06
HHR39	4.1E-06	4.1E-06	4.1E-06	1.1E-06	1.1E-06	1.3E-06
HHR40	3.7E-06	3.7E-06	3.8E-06	9.9E-07	1.0E-06	1.2E-06
HHR41	3.4E-06	3.4E-06	3.4E-06	1.1E-06	1.1E-06	1.3E-06
HHR42	5.1E-06	5.1E-06	5.1E-06	1.0E-06	1.0E-06	1.2E-06
HHR43	2.6E-05	2.6E-05	2.6E-05	2.3E-06	2.3E-06	2.5E-06
HHR44	2.1E-05	2.1E-05	2.1E-05	2.1E-06	2.2E-06	2.3E-06
HHR45	3.9E-06	3.9E-06	4.0E-06	5.7E-07	6.1E-07	8.2E-07
HHR46	8.2E-06	8.2E-06	8.2E-06	1.0E-06	1.1E-06	1.4E-06
HHR47	6.6E-06	6.6E-06	6.6E-06	1.0E-06	1.1E-06	1.3E-06
HHR48	3.8E-06	3.8E-06	3.8E-06	9.8E-07	1.0E-06	1.2E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.1E-05	1.1E-05	1.1E-05	1.1E-06	1.2E-06	1.5E-06
HHR50	6.1E-06	6.1E-06	6.2E-06	1.0E-06	1.1E-06	1.3E-06
HHR51	9.6E-06	9.6E-06	9.6E-06	1.2E-06	1.2E-06	1.5E-06
HHR52	4.5E-06	4.5E-06	4.6E-06	9.6E-07	1.0E-06	1.1E-06
HHR53	8.6E-06	8.6E-06	8.6E-06	1.2E-06	1.3E-06	1.5E-06
HHR54	5.1E-06	5.2E-06	5.2E-06	9.9E-07	1.0E-06	1.2E-06
HHR55	6.3E-06	6.3E-06	6.3E-06	9.7E-07	1.0E-06	1.2E-06
HHR56	9.4E-06	9.4E-06	9.4E-06	1.1E-06	1.2E-06	1.3E-06
HHR57	1.0E-05	1.0E-05	1.0E-05	1.2E-06	1.2E-06	1.4E-06
HHR58	1.2E-05	1.2E-05	1.2E-05	1.5E-06	1.7E-06	1.9E-06
HHR59	9.8E-06	9.8E-06	9.8E-06	1.6E-06	1.7E-06	1.9E-06
HHR60	1.5E-05	1.5E-05	1.5E-05	1.8E-06	2.0E-06	2.2E-06
HHR61	1.4E-05	1.4E-05	1.4E-05	1.6E-06	1.6E-06	1.8E-06
HHR62	2.3E-05	2.3E-05	2.3E-05	1.9E-06	2.0E-06	2.1E-06
HHR63	4.0E-05	4.0E-05	4.0E-05	3.0E-06	3.1E-06	3.2E-06
HHR64	4.2E-06	4.2E-06	4.2E-06	1.3E-06	1.3E-06	1.5E-06
HHR65	3.7E-05	3.7E-05	3.7E-05	3.4E-06	3.4E-06	3.6E-06
HHR66	1.0E-05	1.0E-05	1.0E-05	1.7E-06	1.9E-06	2.2E-06
HHR67	1.4E-05	1.4E-05	1.4E-05	2.2E-06	2.3E-06	2.7E-06
HHR68	1.3E-05	1.3E-05	1.3E-05	2.5E-06	2.6E-06	2.8E-06
HHR69	3.4E-06	3.4E-06	3.4E-06	9.4E-07	9.7E-07	1.2E-06
HHR70	3.9E-06	3.9E-06	3.9E-06	1.0E-06	1.0E-06	1.3E-06
HHR71	4.7E-06	4.7E-06	4.7E-06	1.3E-06	1.4E-06	1.5E-06
HHR72	6.6E-06	6.7E-06	6.7E-06	1.1E-06	1.1E-06	1.4E-06
HHR73	1.2E-05	1.2E-05	1.2E-05	2.8E-06	2.9E-06	3.0E-06
HHR74	4.7E-06	4.7E-06	4.7E-06	1.3E-06	1.4E-06	1.6E-06
HHR75	1.4E-05	1.4E-05	1.4E-05	1.6E-06	1.6E-06	1.8E-06
HHR76	9.9E-06	9.9E-06	9.9E-06	2.1E-06	2.1E-06	2.3E-06
HHR77	6.1E-06	6.1E-06	6.1E-06	1.8E-06	1.8E-06	2.0E-06
HHR78	4.2E-06	4.2E-06	4.3E-06	1.3E-06	1.4E-06	1.6E-06
HHR79	4.6E-06	4.6E-06	4.6E-06	1.5E-06	1.5E-06	1.7E-06
HHR80	5.6E-06	5.6E-06	5.7E-06	1.1E-06	1.1E-06	1.3E-06
HHR81	6.5E-06	6.5E-06	6.5E-06	1.3E-06	1.3E-06	1.5E-06
HHR82	6.6E-06	6.6E-06	6.6E-06	1.2E-06	1.2E-06	1.4E-06
HHR83	6.3E-06	6.3E-06	6.3E-06	1.2E-06	1.2E-06	1.4E-06
MPOI	1.5E-04	1.5E-04	1.5E-04	1.1E-05	1.3E-05	1.3E-05

Table M6.2-12: Inhalation Exposure Hazard Quotient for Silver

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.0E-04	1.0E-04	1.0E-04	1.8E-05	1.8E-05	2.0E-05
HHR2	1.7E-04	1.7E-04	1.7E-04	2.2E-05	2.2E-05	2.5E-05
HHR3	7.7E-05	7.7E-05	7.7E-05	1.1E-05	1.1E-05	1.2E-05
HHR4	7.8E-05	7.8E-05	7.9E-05	3.0E-05	3.0E-05	3.2E-05
HHR5	4.5E-04	4.5E-04	4.5E-04	3.1E-05	3.1E-05	3.3E-05
HHR6	7.2E-05	7.2E-05	7.2E-05	1.3E-05	1.3E-05	1.3E-05
HHR7	7.1E-05	7.1E-05	7.2E-05	7.6E-06	7.6E-06	7.8E-06
HHR8	7.3E-05	7.3E-05	7.3E-05	2.4E-05	2.4E-05	2.5E-05
HHR9	1.1E-04	1.1E-04	1.1E-04	2.0E-05	2.0E-05	2.2E-05
HHR10	2.3E-04	2.3E-04	2.3E-04	1.8E-05	1.8E-05	1.9E-05
HHR11	5.4E-05	5.4E-05	5.4E-05	2.0E-05	2.0E-05	2.1E-05
HHR12	6.7E-05	6.7E-05	6.7E-05	3.5E-05	3.5E-05	3.6E-05
HHR13	6.3E-05	6.3E-05	6.3E-05	3.3E-05	3.3E-05	3.4E-05
HHR14	9.1E-05	9.1E-05	9.1E-05	1.6E-05	1.6E-05	1.8E-05
HHR15	1.5E-04	1.5E-04	1.5E-04	8.8E-06	8.9E-06	9.3E-06
HHR16	3.3E-05	3.3E-05	3.3E-05	9.1E-06	9.2E-06	1.0E-05
HHR17	3.7E-05	3.7E-05	3.7E-05	6.1E-06	6.2E-06	7.0E-06
HHR18	3.6E-05	3.6E-05	3.7E-05	2.3E-05	2.3E-05	2.4E-05
HHR19	3.9E-05	3.9E-05	3.9E-05	2.5E-05	2.5E-05	2.6E-05
HHR20	3.9E-05	3.9E-05	3.9E-05	2.8E-05	2.8E-05	2.9E-05
HHR21	5.7E-05	5.7E-05	5.8E-05	2.6E-05	2.6E-05	2.7E-05
HHR22	8.7E-05	8.7E-05	8.7E-05	1.6E-05	1.6E-05	1.7E-05
HHR23	6.9E-05	6.9E-05	7.0E-05	3.7E-05	3.7E-05	3.8E-05
HHR24	6.9E-05	6.9E-05	6.9E-05	3.6E-05	3.6E-05	3.7E-05
HHR25	1.0E-04	1.0E-04	1.0E-04	1.4E-05	1.4E-05	1.5E-05
HHR26	1.3E-04	1.3E-04	1.3E-04	1.4E-05	1.4E-05	1.5E-05
HHR27	1.1E-04	1.1E-04	1.1E-04	1.2E-05	1.2E-05	1.3E-05
HHR28	5.8E-05	5.8E-05	5.9E-05	7.8E-06	7.8E-06	8.1E-06
HHR29	6.1E-05	6.1E-05	6.1E-05	4.3E-05	4.3E-05	4.6E-05
HHR30	2.2E-04	2.2E-04	2.2E-04	1.2E-05	1.2E-05	1.5E-05
HHR31	1.2E-04	1.2E-04	1.2E-04	1.0E-04	1.0E-04	1.1E-04
HHR32	8.5E-05	8.5E-05	8.6E-05	8.6E-05	8.6E-05	8.8E-05
HHR33	1.1E-04	1.1E-04	1.1E-04	6.7E-05	6.7E-05	6.9E-05
HHR34	3.0E-05	3.0E-05	3.0E-05	8.9E-06	8.9E-06	9.8E-06
HHR35	8.1E-05	8.1E-05	8.2E-05	7.6E-05	7.6E-05	7.8E-05
HHR36	7.2E-05	7.2E-05	7.2E-05	4.1E-05	4.1E-05	4.2E-05
HHR37	3.5E-04	3.5E-04	3.5E-04	2.0E-05	2.0E-05	3.6E-05
HHR38	5.7E-05	5.7E-05	5.8E-05	2.8E-05	2.8E-05	3.0E-05
HHR39	3.9E-05	3.9E-05	3.9E-05	7.0E-06	7.0E-06	8.0E-06
HHR40	3.7E-05	3.7E-05	3.7E-05	6.3E-06	6.3E-06	7.1E-06
HHR41	3.7E-05	3.7E-05	3.7E-05	6.6E-06	6.6E-06	7.8E-06
HHR42	3.6E-05	3.6E-05	3.6E-05	9.7E-06	9.7E-06	1.1E-05
HHR43	8.6E-05	8.6E-05	8.7E-05	2.7E-05	2.7E-05	2.8E-05
HHR44	7.9E-05	7.9E-05	7.9E-05	3.9E-05	3.9E-05	4.1E-05
HHR45	6.3E-05	6.3E-05	6.3E-05	7.2E-06	7.3E-06	7.6E-06
HHR46	3.3E-04	3.3E-04	3.3E-04	1.9E-05	1.9E-05	1.9E-05
HHR47	2.6E-04	2.6E-04	2.6E-04	1.8E-05	1.8E-05	1.9E-05
HHR48	3.6E-05	3.6E-05	3.6E-05	6.3E-06	6.4E-06	7.1E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	2.9E-04	2.9E-04	2.9E-04	2.1E-05	2.1E-05	2.2E-05
HHR50	2.9E-04	2.9E-04	2.9E-04	1.9E-05	1.9E-05	2.0E-05
HHR51	2.6E-04	2.6E-04	2.6E-04	2.3E-05	2.3E-05	2.3E-05
HHR52	2.2E-04	2.2E-04	2.2E-04	2.6E-05	2.6E-05	2.7E-05
HHR53	3.8E-04	3.8E-04	3.8E-04	2.6E-05	2.6E-05	2.7E-05
HHR54	2.7E-04	2.7E-04	2.7E-04	3.1E-05	3.1E-05	3.2E-05
HHR55	2.4E-04	2.4E-04	2.4E-04	1.8E-05	1.8E-05	1.8E-05
HHR56	5.1E-04	5.1E-04	5.1E-04	4.3E-05	4.3E-05	4.3E-05
HHR57	5.0E-04	5.0E-04	5.0E-04	2.7E-05	2.7E-05	2.9E-05
HHR58	2.2E-04	2.2E-04	2.2E-04	2.1E-05	2.1E-05	2.2E-05
HHR59	2.0E-04	2.0E-04	2.0E-04	2.2E-05	2.2E-05	2.3E-05
HHR60	2.4E-04	2.4E-04	2.4E-04	2.5E-05	2.5E-05	2.5E-05
HHR61	2.0E-04	2.0E-04	2.0E-04	1.9E-05	1.9E-05	2.1E-05
HHR62	1.7E-04	1.7E-04	1.7E-04	2.8E-05	2.8E-05	3.0E-05
HHR63	9.9E-05	9.9E-05	9.9E-05	1.7E-05	1.7E-05	1.9E-05
HHR64	4.1E-05	4.1E-05	4.1E-05	1.0E-05	1.0E-05	1.1E-05
HHR65	9.4E-05	9.4E-05	9.4E-05	1.8E-05	1.8E-05	1.9E-05
HHR66	1.1E-04	1.1E-04	1.1E-04	1.2E-05	1.2E-05	1.3E-05
HHR67	1.4E-04	1.4E-04	1.4E-04	1.6E-05	1.6E-05	1.7E-05
HHR68	1.0E-04	1.0E-04	1.0E-04	1.4E-05	1.4E-05	1.5E-05
HHR69	3.8E-05	3.8E-05	3.8E-05	6.0E-06	6.1E-06	6.7E-06
HHR70	3.8E-05	3.8E-05	3.8E-05	6.6E-06	6.6E-06	7.5E-06
HHR71	5.7E-05	5.7E-05	5.7E-05	3.1E-05	3.1E-05	3.2E-05
HHR72	8.4E-05	8.4E-05	8.4E-05	8.4E-06	8.5E-06	8.9E-06
HHR73	9.7E-05	9.7E-05	9.7E-05	1.5E-05	1.5E-05	1.6E-05
HHR74	3.8E-05	3.8E-05	3.8E-05	2.5E-05	2.5E-05	2.6E-05
HHR75	5.3E-05	5.3E-05	5.3E-05	2.7E-05	2.7E-05	2.8E-05
HHR76	6.3E-05	6.3E-05	6.3E-05	2.8E-05	2.8E-05	2.9E-05
HHR77	5.8E-05	5.8E-05	5.8E-05	2.6E-05	2.6E-05	2.6E-05
HHR78	4.1E-05	4.1E-05	4.1E-05	1.4E-05	1.4E-05	1.5E-05
HHR79	4.3E-05	4.3E-05	4.3E-05	2.3E-05	2.3E-05	2.4E-05
HHR80	4.6E-05	4.6E-05	4.6E-05	1.6E-05	1.6E-05	1.7E-05
HHR81	4.0E-05	4.0E-05	4.0E-05	1.3E-05	1.3E-05	1.4E-05
HHR82	4.3E-05	4.3E-05	4.4E-05	1.2E-05	1.2E-05	1.3E-05
HHR83	4.1E-05	4.1E-05	4.1E-05	1.3E-05	1.3E-05	1.3E-05
MPOI	1.3E-03	1.3E-03	1.3E-03	1.5E-04	1.5E-04	1.5E-04

Table M6.2-13: Inhalation Exposure Hazard Quotient for Strontium

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.3E-08	1.3E-08	1.3E-08	2.3E-09	2.3E-09	3.7E-09
HHR2	9.4E-09	9.4E-09	1.0E-08	3.3E-09	3.4E-09	4.5E-09
HHR3	8.5E-09	8.5E-09	9.2E-09	2.1E-09	2.3E-09	3.3E-09
HHR4	8.5E-09	8.5E-09	8.6E-09	2.1E-09	2.2E-09	3.6E-09
HHR5	2.2E-08	2.2E-08	2.2E-08	4.5E-09	4.6E-09	5.6E-09
HHR6	4.0E-09	4.3E-09	1.0E-08	2.2E-09	2.4E-09	3.4E-09
HHR7	4.2E-09	4.2E-09	4.5E-09	8.2E-10	8.7E-10	1.3E-09
HHR8	7.1E-09	7.1E-09	1.0E-08	1.9E-09	2.0E-09	4.3E-09
HHR9	7.6E-09	7.6E-09	8.2E-09	2.0E-09	2.1E-09	4.0E-09
HHR10	1.2E-08	1.2E-08	1.2E-08	5.3E-09	5.4E-09	6.5E-09
HHR11	2.9E-09	3.1E-09	3.8E-09	2.1E-09	2.2E-09	3.0E-09
HHR12	5.7E-09	5.8E-09	9.0E-09	2.2E-09	2.3E-09	4.3E-09
HHR13	2.9E-09	3.1E-09	3.8E-09	2.1E-09	2.3E-09	3.1E-09
HHR14	1.1E-08	1.1E-08	1.1E-08	2.6E-09	2.7E-09	3.6E-09
HHR15	7.6E-09	8.1E-09	8.1E-09	1.1E-09	1.3E-09	1.8E-09
HHR16	3.1E-09	3.1E-09	8.2E-09	1.3E-09	1.4E-09	3.2E-09
HHR17	2.5E-09	2.6E-09	3.2E-09	1.5E-09	1.6E-09	2.2E-09
HHR18	4.2E-09	4.2E-09	5.4E-09	1.8E-09	1.9E-09	2.8E-09
HHR19	6.0E-09	6.0E-09	6.4E-09	2.8E-09	2.9E-09	3.7E-09
HHR20	4.9E-09	5.0E-09	5.1E-09	2.3E-09	2.3E-09	3.2E-09
HHR21	2.9E-09	3.0E-09	3.8E-09	2.1E-09	2.3E-09	3.1E-09
HHR22	4.3E-09	4.3E-09	4.6E-09	2.1E-09	2.3E-09	3.2E-09
HHR23	6.5E-09	6.6E-09	8.4E-09	2.1E-09	2.2E-09	4.0E-09
HHR24	6.3E-09	6.3E-09	8.8E-09	2.4E-09	2.5E-09	4.5E-09
HHR25	5.1E-09	5.1E-09	5.2E-09	2.0E-09	2.2E-09	2.8E-09
HHR26	6.6E-09	7.2E-09	7.3E-09	2.1E-09	2.5E-09	3.5E-09
HHR27	5.4E-09	6.2E-09	6.3E-09	1.8E-09	2.1E-09	3.1E-09
HHR28	3.5E-09	3.5E-09	3.7E-09	1.0E-09	1.1E-09	1.8E-09
HHR29	4.6E-09	4.7E-09	3.3E-08	2.8E-09	2.9E-09	1.4E-08
HHR30	1.1E-08	1.1E-08	1.1E-08	1.6E-09	1.7E-09	2.2E-09
HHR31	1.7E-08	1.7E-08	2.4E-08	9.1E-09	9.2E-09	1.6E-08
HHR32	5.5E-09	5.6E-09	2.0E-08	3.1E-09	3.2E-09	9.3E-09
HHR33	6.1E-09	6.1E-09	1.2E-08	2.1E-09	2.2E-09	5.6E-09
HHR34	3.0E-09	3.0E-09	9.4E-09	1.3E-09	1.4E-09	3.4E-09
HHR35	4.6E-09	4.6E-09	2.1E-08	2.4E-09	2.5E-09	8.4E-09
HHR36	5.5E-09	5.5E-09	1.0E-08	2.7E-09	2.8E-09	5.2E-09
HHR37	1.8E-08	1.8E-08	1.8E-08	2.1E-09	2.2E-09	2.8E-09
HHR38	5.3E-09	5.4E-09	2.8E-08	2.2E-09	2.3E-09	9.4E-09
HHR39	3.2E-09	3.2E-09	4.0E-09	1.7E-09	1.7E-09	2.4E-09
HHR40	2.5E-09	2.6E-09	3.3E-09	1.5E-09	1.6E-09	2.2E-09
HHR41	3.2E-09	3.2E-09	4.0E-09	1.8E-09	1.8E-09	2.5E-09
HHR42	3.3E-09	3.3E-09	7.9E-09	1.4E-09	1.5E-09	3.1E-09
HHR43	8.9E-09	8.9E-09	8.9E-09	2.1E-09	2.2E-09	3.6E-09
HHR44	7.2E-09	7.2E-09	7.5E-09	2.0E-09	2.2E-09	3.5E-09
HHR45	3.5E-09	3.6E-09	4.5E-09	8.9E-10	1.0E-09	1.5E-09
HHR46	1.6E-08	1.6E-08	1.6E-08	1.9E-09	2.1E-09	2.9E-09
HHR47	1.3E-08	1.3E-08	1.3E-08	2.2E-09	2.3E-09	3.0E-09
HHR48	2.4E-09	2.5E-09	3.1E-09	1.4E-09	1.5E-09	2.1E-09

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.4E-08	1.4E-08	1.4E-08	2.0E-09	2.2E-09	2.9E-09
HHR50	1.5E-08	1.5E-08	1.5E-08	2.3E-09	2.4E-09	3.1E-09
HHR51	1.3E-08	1.3E-08	1.3E-08	2.1E-09	2.3E-09	2.9E-09
HHR52	1.1E-08	1.1E-08	1.1E-08	4.3E-09	4.3E-09	5.3E-09
HHR53	1.9E-08	1.9E-08	1.9E-08	2.7E-09	2.9E-09	3.6E-09
HHR54	1.3E-08	1.3E-08	1.3E-08	4.2E-09	4.3E-09	5.2E-09
HHR55	1.2E-08	1.2E-08	1.2E-08	2.4E-09	2.6E-09	3.2E-09
HHR56	2.5E-08	2.5E-08	2.5E-08	3.3E-09	3.5E-09	4.1E-09
HHR57	2.5E-08	2.5E-08	2.5E-08	2.9E-09	3.0E-09	3.7E-09
HHR58	1.1E-08	1.1E-08	1.1E-08	2.0E-09	2.3E-09	2.8E-09
HHR59	1.0E-08	1.0E-08	1.0E-08	2.1E-09	2.4E-09	2.9E-09
HHR60	1.2E-08	1.2E-08	1.2E-08	2.3E-09	2.7E-09	3.2E-09
HHR61	1.0E-08	1.0E-08	1.0E-08	2.0E-09	2.1E-09	2.8E-09
HHR62	8.5E-09	8.5E-09	8.6E-09	2.0E-09	2.1E-09	2.8E-09
HHR63	1.0E-08	1.0E-08	1.1E-08	2.3E-09	2.5E-09	3.3E-09
HHR64	8.8E-09	8.8E-09	8.9E-09	2.8E-09	2.9E-09	3.7E-09
HHR65	1.2E-08	1.2E-08	1.2E-08	2.4E-09	2.5E-09	3.6E-09
HHR66	5.6E-09	6.5E-09	6.6E-09	1.8E-09	2.1E-09	3.2E-09
HHR67	7.1E-09	7.8E-09	8.5E-09	2.1E-09	2.5E-09	3.7E-09
HHR68	5.3E-09	5.4E-09	5.4E-09	2.0E-09	2.2E-09	2.9E-09
HHR69	2.5E-09	2.5E-09	3.0E-09	1.3E-09	1.4E-09	2.0E-09
HHR70	2.6E-09	2.8E-09	3.4E-09	1.5E-09	1.5E-09	2.2E-09
HHR71	2.9E-08	2.9E-08	3.0E-08	8.2E-09	8.3E-09	9.2E-09
HHR72	4.4E-09	4.9E-09	5.1E-09	1.2E-09	1.4E-09	1.9E-09
HHR73	4.9E-09	4.9E-09	4.9E-09	2.1E-09	2.3E-09	3.1E-09
HHR74	4.4E-09	4.5E-09	5.1E-09	1.9E-09	2.0E-09	2.9E-09
HHR75	4.9E-09	5.0E-09	7.7E-09	2.0E-09	2.1E-09	3.7E-09
HHR76	1.0E-08	1.0E-08	1.0E-08	2.4E-09	2.5E-09	3.5E-09
HHR77	2.9E-09	3.1E-09	3.7E-09	2.0E-09	2.2E-09	2.9E-09
HHR78	9.0E-09	9.0E-09	9.3E-09	3.4E-09	3.5E-09	4.4E-09
HHR79	3.7E-09	3.8E-09	4.5E-09	2.0E-09	2.1E-09	3.0E-09
HHR80	3.2E-09	3.3E-09	1.0E-08	1.6E-09	1.7E-09	4.0E-09
HHR81	3.3E-09	3.4E-09	6.2E-09	1.7E-09	1.8E-09	2.8E-09
HHR82	3.5E-09	3.6E-09	6.8E-09	1.6E-09	1.7E-09	2.9E-09
HHR83	3.4E-09	3.5E-09	6.6E-09	1.6E-09	1.7E-09	2.8E-09
MPOI	1.5E-07	1.5E-07	1.1E-06	1.3E-07	1.3E-07	3.0E-07

Table M6.2-14: Inhalation Exposure Hazard Quotient for Vanadium

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	9.3E-03	9.3E-03	9.3E-03	5.3E-04	5.5E-04	6.1E-04
HHR2	7.8E-03	7.8E-03	7.8E-03	5.4E-04	5.7E-04	6.2E-04
HHR3	2.8E-03	2.8E-03	2.8E-03	6.0E-04	6.4E-04	7.9E-04
HHR4	5.8E-03	5.8E-03	5.8E-03	5.4E-04	5.6E-04	6.3E-04
HHR5	7.4E-03	7.4E-03	7.4E-03	7.3E-04	7.6E-04	8.2E-04
HHR6	2.6E-03	2.7E-03	3.1E-03	5.5E-04	5.8E-04	7.3E-04
HHR7	1.2E-03	1.2E-03	1.2E-03	1.7E-04	1.8E-04	2.4E-04
HHR8	4.8E-03	4.8E-03	4.8E-03	3.8E-04	4.0E-04	4.8E-04
HHR9	5.6E-03	5.6E-03	5.6E-03	4.2E-04	4.4E-04	5.1E-04
HHR10	2.0E-03	2.0E-03	2.1E-03	1.1E-03	1.1E-03	1.2E-03
HHR11	1.7E-03	1.8E-03	1.8E-03	4.4E-04	4.6E-04	5.3E-04
HHR12	4.1E-03	4.1E-03	4.2E-03	6.7E-04	7.0E-04	7.9E-04
HHR13	1.7E-03	1.7E-03	1.7E-03	4.6E-04	4.8E-04	5.5E-04
HHR14	1.1E-02	1.1E-02	1.1E-02	7.3E-04	7.5E-04	8.1E-04
HHR15	1.9E-03	2.0E-03	2.0E-03	3.6E-04	4.0E-04	4.6E-04
HHR16	1.3E-03	1.3E-03	1.3E-03	2.7E-04	2.9E-04	3.7E-04
HHR17	9.6E-04	1.0E-03	1.1E-03	3.4E-04	3.5E-04	4.2E-04
HHR18	1.7E-03	1.7E-03	1.7E-03	3.5E-04	3.7E-04	4.4E-04
HHR19	1.3E-03	1.3E-03	1.3E-03	4.1E-04	4.3E-04	5.2E-04
HHR20	1.5E-03	1.5E-03	1.5E-03	3.9E-04	4.1E-04	4.9E-04
HHR21	1.7E-03	1.7E-03	1.8E-03	4.5E-04	4.8E-04	5.5E-04
HHR22	3.8E-03	3.8E-03	3.8E-03	5.0E-04	5.4E-04	6.1E-04
HHR23	6.5E-03	6.5E-03	6.5E-03	8.6E-04	8.9E-04	9.7E-04
HHR24	5.4E-03	5.4E-03	5.4E-03	7.9E-04	8.1E-04	9.0E-04
HHR25	2.4E-03	2.4E-03	2.4E-03	6.2E-04	6.7E-04	7.3E-04
HHR26	4.1E-03	4.1E-03	4.1E-03	6.4E-04	6.9E-04	8.5E-04
HHR27	3.4E-03	3.5E-03	3.5E-03	5.9E-04	6.5E-04	7.8E-04
HHR28	1.3E-03	1.3E-03	1.4E-03	2.3E-04	2.5E-04	3.5E-04
HHR29	2.1E-03	2.1E-03	2.1E-03	3.3E-04	3.5E-04	6.1E-04
HHR30	4.3E-03	4.3E-03	4.3E-03	4.2E-04	4.4E-04	4.9E-04
HHR31	2.5E-03	2.5E-03	2.5E-03	5.1E-04	5.3E-04	7.1E-04
HHR32	2.3E-03	2.3E-03	2.4E-03	4.0E-04	4.2E-04	5.9E-04
HHR33	2.5E-03	2.5E-03	2.6E-03	3.5E-04	3.7E-04	4.8E-04
HHR34	1.2E-03	1.2E-03	1.2E-03	2.7E-04	2.8E-04	3.7E-04
HHR35	1.8E-03	1.8E-03	1.8E-03	3.8E-04	4.0E-04	5.7E-04
HHR36	3.1E-03	3.1E-03	3.1E-03	4.7E-04	4.9E-04	5.9E-04
HHR37	1.1E-02	1.1E-02	1.1E-02	5.3E-04	5.6E-04	6.1E-04
HHR38	1.6E-03	1.6E-03	1.7E-03	3.8E-04	4.0E-04	6.1E-04
HHR39	1.2E-03	1.2E-03	1.2E-03	3.8E-04	3.9E-04	4.6E-04
HHR40	1.0E-03	1.1E-03	1.1E-03	3.5E-04	3.6E-04	4.2E-04
HHR41	9.2E-04	9.9E-04	1.0E-03	3.7E-04	3.9E-04	4.5E-04
HHR42	1.4E-03	1.4E-03	1.4E-03	2.9E-04	3.1E-04	3.9E-04
HHR43	5.6E-03	5.6E-03	5.6E-03	5.4E-04	5.7E-04	6.4E-04
HHR44	5.3E-03	5.3E-03	5.3E-03	5.6E-04	5.9E-04	6.6E-04
HHR45	1.2E-03	1.2E-03	1.3E-03	1.9E-04	2.2E-04	2.9E-04
HHR46	2.4E-03	2.4E-03	2.4E-03	3.5E-04	3.9E-04	5.3E-04
HHR47	2.0E-03	2.0E-03	2.1E-03	4.1E-04	4.4E-04	5.3E-04
HHR48	1.0E-03	1.1E-03	1.1E-03	3.4E-04	3.6E-04	4.2E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	2.4E-03	2.4E-03	2.4E-03	3.3E-04	3.8E-04	4.9E-04
HHR50	2.2E-03	2.2E-03	2.2E-03	4.3E-04	4.6E-04	5.5E-04
HHR51	2.7E-03	2.7E-03	2.7E-03	3.2E-04	3.7E-04	4.7E-04
HHR52	2.5E-03	2.5E-03	2.5E-03	4.9E-04	5.2E-04	5.9E-04
HHR53	2.6E-03	2.6E-03	2.6E-03	4.6E-04	5.0E-04	6.0E-04
HHR54	3.7E-03	3.7E-03	3.8E-03	4.6E-04	4.8E-04	5.5E-04
HHR55	2.0E-03	2.0E-03	2.0E-03	4.7E-04	5.0E-04	5.8E-04
HHR56	3.5E-03	3.5E-03	3.5E-03	4.9E-04	5.3E-04	5.9E-04
HHR57	6.4E-03	6.4E-03	6.5E-03	5.8E-04	6.1E-04	6.7E-04
HHR58	3.6E-03	3.6E-03	3.6E-03	4.1E-04	4.8E-04	5.5E-04
HHR59	3.9E-03	3.9E-03	3.9E-03	4.4E-04	5.1E-04	5.8E-04
HHR60	4.3E-03	4.4E-03	4.4E-03	5.1E-04	6.1E-04	6.8E-04
HHR61	1.1E-02	1.1E-02	1.1E-02	1.1E-03	1.1E-03	1.2E-03
HHR62	1.7E-02	1.7E-02	1.7E-02	1.4E-03	1.4E-03	1.5E-03
HHR63	1.3E-02	1.3E-02	1.3E-02	7.4E-04	7.7E-04	8.3E-04
HHR64	1.2E-03	1.2E-03	1.3E-03	4.5E-04	4.7E-04	5.5E-04
HHR65	7.8E-03	7.8E-03	7.8E-03	6.1E-04	6.3E-04	7.0E-04
HHR66	3.7E-03	3.8E-03	3.8E-03	6.0E-04	6.7E-04	8.1E-04
HHR67	5.4E-03	5.4E-03	5.4E-03	6.8E-04	7.5E-04	9.4E-04
HHR68	3.6E-03	3.6E-03	3.6E-03	6.4E-04	7.0E-04	7.7E-04
HHR69	1.0E-03	1.1E-03	1.1E-03	3.2E-04	3.4E-04	4.1E-04
HHR70	1.0E-03	1.0E-03	1.1E-03	3.5E-04	3.7E-04	4.4E-04
HHR71	2.0E-03	2.0E-03	2.1E-03	5.1E-04	5.3E-04	6.0E-04
HHR72	2.0E-03	2.1E-03	2.1E-03	3.9E-04	4.2E-04	4.9E-04
HHR73	4.0E-03	4.0E-03	4.0E-03	5.0E-04	5.5E-04	6.1E-04
HHR74	1.6E-03	1.6E-03	1.7E-03	3.6E-04	3.8E-04	4.5E-04
HHR75	2.7E-03	2.7E-03	2.7E-03	5.6E-04	5.9E-04	6.7E-04
HHR76	2.4E-03	2.5E-03	2.5E-03	5.5E-04	5.8E-04	6.5E-04
HHR77	1.6E-03	1.6E-03	1.6E-03	4.4E-04	4.7E-04	5.4E-04
HHR78	1.3E-03	1.3E-03	1.3E-03	4.6E-04	4.8E-04	5.7E-04
HHR79	1.6E-03	1.6E-03	1.6E-03	3.9E-04	4.1E-04	4.9E-04
HHR80	1.4E-03	1.5E-03	1.5E-03	3.3E-04	3.5E-04	4.6E-04
HHR81	1.8E-03	1.9E-03	1.9E-03	3.5E-04	3.7E-04	4.4E-04
HHR82	1.7E-03	1.7E-03	1.8E-03	3.4E-04	3.6E-04	4.3E-04
HHR83	1.8E-03	1.9E-03	1.9E-03	3.4E-04	3.6E-04	4.3E-04
MPOI	3.8E-02	3.8E-02	3.8E-02	3.0E-03	6.5E-03	6.6E-03

Table M6.2-15: Inhalation Exposure Hazard Quotient for Zinc

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	9.3E-06	9.3E-06	9.3E-06	2.0E-06	2.0E-06	2.3E-06
HHR2	7.7E-06	7.7E-06	7.7E-06	2.2E-06	2.2E-06	2.6E-06
HHR3	2.8E-06	2.8E-06	2.8E-06	6.4E-07	6.5E-07	7.7E-07
HHR4	5.9E-06	5.9E-06	6.0E-06	3.3E-06	3.3E-06	3.6E-06
HHR5	7.4E-06	7.4E-06	7.4E-06	2.6E-06	2.6E-06	3.1E-06
HHR6	2.6E-06	2.6E-06	2.6E-06	9.9E-07	1.0E-06	1.2E-06
HHR7	1.1E-06	1.1E-06	1.1E-06	2.4E-07	2.5E-07	3.0E-07
HHR8	4.8E-06	4.8E-06	5.0E-06	2.6E-06	2.6E-06	3.0E-06
HHR9	5.6E-06	5.6E-06	5.6E-06	2.3E-06	2.3E-06	2.7E-06
HHR10	1.9E-06	1.9E-06	2.0E-06	1.3E-06	1.3E-06	1.5E-06
HHR11	2.6E-06	2.6E-06	2.8E-06	1.9E-06	1.9E-06	2.1E-06
HHR12	4.5E-06	4.5E-06	5.2E-06	3.9E-06	4.0E-06	4.3E-06
HHR13	5.4E-06	5.4E-06	5.5E-06	3.2E-06	3.2E-06	3.4E-06
HHR14	1.1E-05	1.1E-05	1.1E-05	1.9E-06	1.9E-06	2.2E-06
HHR15	1.9E-06	1.9E-06	1.9E-06	4.2E-07	4.4E-07	4.8E-07
HHR16	1.2E-06	1.2E-06	1.8E-06	8.8E-07	8.9E-07	1.2E-06
HHR17	1.4E-06	1.4E-06	1.6E-06	5.2E-07	5.3E-07	6.5E-07
HHR18	3.4E-06	3.4E-06	3.6E-06	2.4E-06	2.4E-06	2.6E-06
HHR19	3.9E-06	3.9E-06	4.1E-06	2.7E-06	2.7E-06	2.9E-06
HHR20	3.7E-06	3.7E-06	3.9E-06	3.0E-06	3.0E-06	3.1E-06
HHR21	3.9E-06	3.9E-06	4.1E-06	2.5E-06	2.5E-06	2.7E-06
HHR22	3.9E-06	3.9E-06	3.9E-06	1.5E-06	1.5E-06	1.7E-06
HHR23	5.2E-06	5.2E-06	5.3E-06	4.3E-06	4.3E-06	4.7E-06
HHR24	4.8E-06	4.8E-06	5.0E-06	4.2E-06	4.2E-06	4.6E-06
HHR25	2.5E-06	2.5E-06	2.5E-06	9.8E-07	1.0E-06	1.1E-06
HHR26	4.0E-06	4.1E-06	4.1E-06	7.8E-07	8.1E-07	9.3E-07
HHR27	3.3E-06	3.3E-06	3.3E-06	6.9E-07	7.2E-07	8.1E-07
HHR28	1.2E-06	1.2E-06	1.3E-06	3.7E-07	3.8E-07	4.7E-07
HHR29	5.4E-06	5.4E-06	6.1E-06	4.8E-06	4.8E-06	6.1E-06
HHR30	4.3E-06	4.3E-06	4.4E-06	9.9E-07	1.0E-06	1.3E-06
HHR31	1.2E-05	1.2E-05	1.3E-05	1.3E-05	1.3E-05	1.4E-05
HHR32	8.3E-06	8.3E-06	8.8E-06	9.3E-06	9.4E-06	1.0E-05
HHR33	1.2E-05	1.2E-05	1.2E-05	7.2E-06	7.2E-06	7.7E-06
HHR34	1.1E-06	1.1E-06	1.7E-06	8.6E-07	8.7E-07	1.2E-06
HHR35	7.7E-06	7.7E-06	7.8E-06	8.2E-06	8.2E-06	8.9E-06
HHR36	5.8E-06	5.8E-06	6.8E-06	4.6E-06	4.6E-06	5.0E-06
HHR37	1.1E-05	1.1E-05	1.1E-05	1.5E-06	1.5E-06	3.2E-06
HHR38	3.3E-06	3.3E-06	4.3E-06	3.0E-06	3.0E-06	3.9E-06
HHR39	1.7E-06	1.7E-06	1.9E-06	5.5E-07	5.6E-07	7.0E-07
HHR40	1.4E-06	1.4E-06	1.6E-06	5.1E-07	5.1E-07	6.4E-07
HHR41	1.8E-06	1.8E-06	2.0E-06	6.2E-07	6.2E-07	7.8E-07
HHR42	1.3E-06	1.3E-06	1.8E-06	9.3E-07	9.4E-07	1.2E-06
HHR43	5.7E-06	5.7E-06	5.8E-06	2.8E-06	2.8E-06	3.1E-06
HHR44	5.9E-06	5.9E-06	6.0E-06	4.1E-06	4.2E-06	4.5E-06
HHR45	1.1E-06	1.1E-06	1.1E-06	3.0E-07	3.0E-07	3.7E-07
HHR46	2.2E-06	2.2E-06	2.3E-06	6.8E-07	7.0E-07	8.8E-07
HHR47	2.0E-06	2.0E-06	2.0E-06	8.1E-07	8.2E-07	9.9E-07
HHR48	1.4E-06	1.4E-06	1.5E-06	4.8E-07	4.9E-07	6.0E-07

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	2.1E-06	2.1E-06	2.1E-06	6.1E-07	6.4E-07	7.9E-07
HHR50	2.2E-06	2.2E-06	2.2E-06	8.7E-07	8.8E-07	1.0E-06
HHR51	2.6E-06	2.6E-06	2.6E-06	5.5E-07	5.7E-07	7.0E-07
HHR52	2.6E-06	2.6E-06	2.7E-06	1.9E-06	2.0E-06	2.2E-06
HHR53	2.4E-06	2.4E-06	2.4E-06	9.6E-07	9.8E-07	1.2E-06
HHR54	3.8E-06	3.8E-06	3.9E-06	2.0E-06	2.0E-06	2.3E-06
HHR55	2.0E-06	2.1E-06	2.1E-06	9.5E-07	9.7E-07	1.1E-06
HHR56	3.4E-06	3.4E-06	3.4E-06	1.6E-06	1.6E-06	1.8E-06
HHR57	6.4E-06	6.4E-06	6.5E-06	1.6E-06	1.6E-06	1.8E-06
HHR58	3.6E-06	3.6E-06	3.6E-06	5.3E-07	5.5E-07	6.2E-07
HHR59	3.9E-06	3.9E-06	3.9E-06	5.7E-07	6.0E-07	6.6E-07
HHR60	4.3E-06	4.3E-06	4.3E-06	6.8E-07	7.2E-07	7.9E-07
HHR61	1.1E-05	1.1E-05	1.1E-05	2.1E-06	2.1E-06	2.3E-06
HHR62	1.7E-05	1.7E-05	1.7E-05	3.9E-06	3.9E-06	4.2E-06
HHR63	1.3E-05	1.3E-05	1.3E-05	2.0E-06	2.0E-06	2.3E-06
HHR64	3.5E-06	3.5E-06	3.6E-06	1.1E-06	1.1E-06	1.3E-06
HHR65	7.8E-06	7.8E-06	7.9E-06	1.9E-06	1.9E-06	2.2E-06
HHR66	3.7E-06	3.7E-06	3.7E-06	7.2E-07	7.5E-07	8.4E-07
HHR67	5.4E-06	5.4E-06	5.4E-06	8.4E-07	8.7E-07	9.9E-07
HHR68	3.6E-06	3.6E-06	3.6E-06	9.4E-07	9.6E-07	1.1E-06
HHR69	1.1E-06	1.1E-06	1.2E-06	4.3E-07	4.4E-07	5.3E-07
HHR70	1.5E-06	1.5E-06	1.6E-06	4.9E-07	5.0E-07	6.2E-07
HHR71	1.1E-05	1.1E-05	1.1E-05	4.7E-06	4.7E-06	4.9E-06
HHR72	2.0E-06	2.0E-06	2.0E-06	4.5E-07	4.6E-07	5.2E-07
HHR73	4.1E-06	4.1E-06	4.1E-06	1.3E-06	1.4E-06	1.5E-06
HHR74	3.5E-06	3.5E-06	3.6E-06	2.7E-06	2.7E-06	2.8E-06
HHR75	3.5E-06	3.5E-06	4.2E-06	2.9E-06	2.9E-06	3.2E-06
HHR76	2.8E-06	2.8E-06	3.0E-06	2.8E-06	2.8E-06	3.0E-06
HHR77	4.5E-06	4.5E-06	4.7E-06	2.4E-06	2.5E-06	2.6E-06
HHR78	3.7E-06	3.7E-06	3.8E-06	1.7E-06	1.7E-06	1.9E-06
HHR79	3.1E-06	3.1E-06	3.2E-06	2.4E-06	2.4E-06	2.5E-06
HHR80	2.4E-06	2.4E-06	2.8E-06	1.5E-06	1.5E-06	1.9E-06
HHR81	1.9E-06	1.9E-06	2.0E-06	1.3E-06	1.3E-06	1.5E-06
HHR82	1.6E-06	1.6E-06	1.8E-06	1.2E-06	1.2E-06	1.4E-06
HHR83	1.9E-06	1.9E-06	2.0E-06	1.2E-06	1.2E-06	1.4E-06
MPOI	5.0E-05	5.0E-05	1.2E-04	4.6E-05	4.6E-05	4.6E-05

Table M6.2-16: Inhalation Exposure Hazard Quotient for 1,3-Butadiene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	3.1E-03	3.1E-03	3.2E-03	9.8E-02	9.8E-02	1.0E-01
HHR2	8.5E-03	8.5E-03	8.7E-03	1.8E-01	1.8E-01	1.9E-01
HHR3	7.5E-04	7.5E-04	8.6E-04	5.7E-03	5.7E-03	7.2E-03
HHR4	2.2E-03	2.2E-03	2.3E-03	6.7E-02	6.7E-02	7.4E-02
HHR5	1.9E-03	1.9E-03	2.1E-03	2.5E-02	2.5E-02	3.4E-02
HHR6	2.0E-03	2.0E-03	2.1E-03	2.1E-02	2.1E-02	2.4E-02
HHR7	1.9E-04	1.9E-04	2.2E-04	1.6E-03	1.6E-03	2.1E-03
HHR8	2.6E-03	2.6E-03	2.8E-03	7.0E-02	7.0E-02	8.0E-02
HHR9	2.3E-03	2.3E-03	2.5E-03	6.8E-02	6.8E-02	7.6E-02
HHR10	7.8E-04	7.8E-04	9.2E-04	8.8E-03	8.8E-03	1.1E-02
HHR11	2.3E-03	2.3E-03	2.4E-03	4.5E-02	4.5E-02	4.9E-02
HHR12	3.5E-03	3.5E-03	3.9E-03	8.3E-02	8.3E-02	9.1E-02
HHR13	2.5E-03	2.5E-03	2.7E-03	5.3E-02	5.3E-02	5.6E-02
HHR14	4.6E-03	4.6E-03	4.7E-03	7.1E-02	7.1E-02	7.6E-02
HHR15	1.7E-04	1.7E-04	2.0E-04	1.6E-03	1.6E-03	2.2E-03
HHR16	1.5E-03	1.5E-03	1.6E-03	2.5E-02	2.5E-02	3.0E-02
HHR17	2.2E-03	2.2E-03	2.3E-03	1.4E-02	1.4E-02	1.8E-02
HHR18	4.2E-03	4.2E-03	4.3E-03	8.0E-02	8.0E-02	8.5E-02
HHR19	4.3E-03	4.3E-03	4.4E-03	8.2E-02	8.2E-02	8.6E-02
HHR20	4.5E-03	4.5E-03	4.5E-03	9.5E-02	9.5E-02	9.9E-02
HHR21	2.3E-03	2.3E-03	2.5E-03	4.8E-02	4.8E-02	5.2E-02
HHR22	3.2E-03	3.2E-03	3.3E-03	6.6E-02	6.6E-02	7.0E-02
HHR23	2.4E-03	2.4E-03	2.7E-03	6.9E-02	6.9E-02	7.7E-02
HHR24	2.7E-03	2.7E-03	3.1E-03	7.4E-02	7.4E-02	8.2E-02
HHR25	1.1E-03	1.1E-03	1.2E-03	1.7E-02	1.7E-02	2.0E-02
HHR26	9.3E-04	9.3E-04	9.9E-04	7.0E-03	7.0E-03	8.6E-03
HHR27	5.7E-04	5.7E-04	6.2E-04	4.2E-03	4.2E-03	5.4E-03
HHR28	3.9E-04	3.9E-04	4.2E-04	3.4E-03	3.4E-03	4.5E-03
HHR29	2.3E-03	2.3E-03	2.8E-03	7.0E-02	7.0E-02	8.8E-02
HHR30	1.5E-03	1.5E-03	1.8E-03	1.6E-02	1.6E-02	2.3E-02
HHR31	7.2E-03	7.2E-03	7.3E-03	1.8E-01	1.8E-01	2.0E-01
HHR32	3.4E-03	3.4E-03	3.7E-03	1.1E-01	1.1E-01	1.2E-01
HHR33	6.4E-03	6.4E-03	6.5E-03	1.2E-01	1.2E-01	1.4E-01
HHR34	1.4E-03	1.4E-03	1.5E-03	2.4E-02	2.4E-02	3.0E-02
HHR35	3.3E-03	3.3E-03	3.8E-03	9.8E-02	9.8E-02	1.1E-01
HHR36	6.8E-03	6.8E-03	7.1E-03	1.5E-01	1.5E-01	1.5E-01
HHR37	2.0E-03	2.0E-03	2.5E-03	2.4E-02	2.4E-02	6.3E-02
HHR38	1.5E-02	1.5E-02	1.5E-02	1.6E-01	1.6E-01	1.7E-01
HHR39	2.6E-03	2.6E-03	2.6E-03	1.5E-02	1.5E-02	1.9E-02
HHR40	2.1E-03	2.1E-03	2.2E-03	1.3E-02	1.3E-02	1.6E-02
HHR41	3.1E-03	3.1E-03	3.2E-03	2.0E-02	2.0E-02	2.4E-02
HHR42	1.7E-03	1.7E-03	1.8E-03	2.6E-02	2.6E-02	3.1E-02
HHR43	2.2E-03	2.2E-03	2.3E-03	6.4E-02	6.4E-02	7.0E-02
HHR44	2.3E-03	2.3E-03	2.4E-03	6.6E-02	6.6E-02	7.2E-02
HHR45	3.3E-04	3.3E-04	3.6E-04	2.8E-03	2.8E-03	3.7E-03
HHR46	5.2E-04	5.2E-04	5.5E-04	5.2E-03	5.2E-03	6.8E-03
HHR47	5.5E-04	5.5E-04	6.0E-04	6.1E-03	6.1E-03	8.0E-03
HHR48	1.9E-03	1.9E-03	2.0E-03	1.1E-02	1.1E-02	1.5E-02

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	4.9E-04	4.9E-04	5.2E-04	4.8E-03	4.8E-03	6.3E-03
HHR50	5.7E-04	5.7E-04	6.2E-04	6.6E-03	6.6E-03	8.5E-03
HHR51	4.5E-04	4.5E-04	4.7E-04	4.2E-03	4.3E-03	5.6E-03
HHR52	9.0E-04	9.0E-04	1.0E-03	1.2E-02	1.2E-02	1.5E-02
HHR53	5.8E-04	5.8E-04	6.1E-04	6.4E-03	6.4E-03	8.4E-03
HHR54	9.8E-04	9.8E-04	1.1E-03	1.3E-02	1.3E-02	1.6E-02
HHR55	5.9E-04	5.9E-04	6.6E-04	7.1E-03	7.2E-03	9.2E-03
HHR56	1.1E-03	1.1E-03	1.2E-03	1.1E-02	1.1E-02	1.5E-02
HHR57	1.4E-03	1.4E-03	1.5E-03	1.6E-02	1.6E-02	2.0E-02
HHR58	3.1E-04	3.2E-04	3.7E-04	3.3E-03	3.3E-03	4.3E-03
HHR59	3.1E-04	3.2E-04	3.7E-04	3.3E-03	3.3E-03	4.3E-03
HHR60	3.7E-04	3.7E-04	4.1E-04	3.9E-03	3.9E-03	5.1E-03
HHR61	1.5E-03	1.5E-03	1.7E-03	2.3E-02	2.3E-02	2.7E-02
HHR62	2.1E-03	2.1E-03	2.2E-03	2.9E-02	2.9E-02	3.4E-02
HHR63	3.4E-03	3.4E-03	3.5E-03	5.3E-02	5.3E-02	5.8E-02
HHR64	3.4E-03	3.4E-03	3.5E-03	3.4E-02	3.4E-02	3.7E-02
HHR65	3.1E-03	3.1E-03	3.2E-03	7.3E-02	7.3E-02	7.8E-02
HHR66	6.1E-04	6.1E-04	6.5E-04	4.4E-03	4.4E-03	5.7E-03
HHR67	7.2E-04	7.2E-04	7.7E-04	6.4E-03	6.5E-03	8.0E-03
HHR68	8.9E-04	8.9E-04	9.6E-04	1.3E-02	1.3E-02	1.5E-02
HHR69	1.4E-03	1.4E-03	1.5E-03	8.5E-03	8.6E-03	1.1E-02
HHR70	2.1E-03	2.1E-03	2.1E-03	1.2E-02	1.2E-02	1.5E-02
HHR71	7.8E-03	7.8E-03	7.9E-03	1.5E-01	1.5E-01	1.5E-01
HHR72	2.4E-04	2.4E-04	2.9E-04	2.4E-03	2.4E-03	3.1E-03
HHR73	2.1E-03	2.1E-03	2.2E-03	3.7E-02	3.7E-02	4.1E-02
HHR74	4.2E-03	4.2E-03	4.3E-03	8.8E-02	8.8E-02	9.3E-02
HHR75	3.1E-03	3.1E-03	3.3E-03	7.0E-02	7.0E-02	7.7E-02
HHR76	4.4E-03	4.4E-03	4.5E-03	8.8E-02	8.8E-02	9.2E-02
HHR77	2.1E-03	2.1E-03	2.3E-03	4.4E-02	4.4E-02	4.7E-02
HHR78	3.7E-03	3.7E-03	3.8E-03	4.5E-02	4.5E-02	4.8E-02
HHR79	3.9E-03	3.9E-03	4.0E-03	7.6E-02	7.6E-02	8.0E-02
HHR80	4.0E-03	4.0E-03	4.1E-03	5.3E-02	5.4E-02	6.1E-02
HHR81	2.5E-03	2.5E-03	2.6E-03	3.7E-02	3.7E-02	4.2E-02
HHR82	2.2E-03	2.2E-03	2.3E-03	3.2E-02	3.2E-02	3.8E-02
HHR83	2.5E-03	2.5E-03	2.6E-03	3.4E-02	3.4E-02	3.9E-02
MPOI	7.9E-02	7.9E-02	7.9E-02	1.9E+00	1.9E+00	2.1E+00

Table M6.2-17: Inhalation Exposure Hazard Quotient for Acenaphthene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	8.1E-06	8.1E-06	8.4E-06	3.1E-06	3.1E-06	3.6E-06
HHR2	7.3E-06	7.3E-06	8.0E-06	2.9E-06	2.9E-06	4.1E-06
HHR3	1.1E-06	1.1E-06	1.3E-06	3.2E-07	3.2E-07	4.5E-07
HHR4	9.3E-06	9.3E-06	9.6E-06	5.1E-06	5.1E-06	5.6E-06
HHR5	4.8E-06	4.8E-06	5.3E-06	1.5E-06	1.5E-06	3.1E-06
HHR6	5.0E-06	5.0E-06	5.3E-06	1.3E-06	1.3E-06	1.5E-06
HHR7	5.3E-07	5.3E-07	5.9E-07	1.2E-07	1.2E-07	1.6E-07
HHR8	1.2E-05	1.2E-05	1.2E-05	6.2E-06	6.2E-06	6.9E-06
HHR9	1.0E-05	1.0E-05	1.0E-05	4.6E-06	4.6E-06	5.2E-06
HHR10	2.3E-06	2.3E-06	2.9E-06	6.4E-07	6.4E-07	9.7E-07
HHR11	6.7E-06	6.7E-06	6.8E-06	4.2E-06	4.2E-06	4.6E-06
HHR12	1.4E-05	1.4E-05	1.4E-05	8.0E-06	8.0E-06	8.6E-06
HHR13	1.2E-05	1.2E-05	1.2E-05	6.3E-06	6.3E-06	6.6E-06
HHR14	6.2E-06	6.2E-06	6.6E-06	2.1E-06	2.1E-06	2.7E-06
HHR15	6.0E-07	6.0E-07	6.4E-07	1.0E-07	1.0E-07	1.5E-07
HHR16	3.4E-06	3.4E-06	3.8E-06	1.8E-06	1.8E-06	2.1E-06
HHR17	2.6E-06	2.6E-06	3.4E-06	6.1E-07	6.1E-07	9.0E-07
HHR18	1.2E-05	1.2E-05	1.3E-05	8.1E-06	8.1E-06	8.6E-06
HHR19	1.2E-05	1.2E-05	1.3E-05	8.0E-06	8.0E-06	8.4E-06
HHR20	1.4E-05	1.4E-05	1.4E-05	9.7E-06	9.7E-06	1.0E-05
HHR21	9.2E-06	9.2E-06	9.4E-06	5.2E-06	5.2E-06	5.5E-06
HHR22	4.9E-06	4.9E-06	5.1E-06	2.7E-06	2.7E-06	3.1E-06
HHR23	1.1E-05	1.1E-05	1.1E-05	7.1E-06	7.1E-06	7.6E-06
HHR24	1.2E-05	1.2E-05	1.2E-05	7.3E-06	7.3E-06	7.9E-06
HHR25	2.8E-06	2.8E-06	3.0E-06	1.1E-06	1.1E-06	1.3E-06
HHR26	2.0E-06	2.0E-06	2.2E-06	4.2E-07	4.2E-07	5.6E-07
HHR27	1.1E-06	1.1E-06	1.2E-06	2.5E-07	2.5E-07	3.5E-07
HHR28	8.0E-07	8.0E-07	9.9E-07	2.3E-07	2.3E-07	3.6E-07
HHR29	1.5E-05	1.5E-05	1.5E-05	1.2E-05	1.2E-05	1.3E-05
HHR30	4.1E-06	4.1E-06	5.5E-06	8.6E-07	8.6E-07	1.8E-06
HHR31	4.7E-05	4.7E-05	4.8E-05	4.2E-05	4.2E-05	4.3E-05
HHR32	2.1E-05	2.1E-05	2.2E-05	2.4E-05	2.4E-05	2.4E-05
HHR33	4.3E-05	4.3E-05	4.3E-05	2.3E-05	2.3E-05	2.4E-05
HHR34	3.0E-06	3.0E-06	3.3E-06	1.7E-06	1.7E-06	2.0E-06
HHR35	1.9E-05	1.9E-05	1.9E-05	1.9E-05	1.9E-05	2.0E-05
HHR36	2.0E-05	2.0E-05	2.0E-05	1.2E-05	1.2E-05	1.2E-05
HHR37	5.1E-06	5.1E-06	8.3E-06	1.2E-06	1.2E-06	8.6E-06
HHR38	9.0E-06	9.0E-06	9.3E-06	7.1E-06	7.1E-06	7.8E-06
HHR39	3.1E-06	3.1E-06	3.4E-06	6.1E-07	6.1E-07	9.6E-07
HHR40	2.6E-06	2.6E-06	3.2E-06	5.7E-07	5.7E-07	8.6E-07
HHR41	3.5E-06	3.5E-06	4.1E-06	7.5E-07	7.5E-07	1.2E-06
HHR42	3.9E-06	3.9E-06	4.2E-06	1.9E-06	1.9E-06	2.3E-06
HHR43	8.5E-06	8.5E-06	8.7E-06	4.5E-06	4.5E-06	5.0E-06
HHR44	1.0E-05	1.0E-05	1.0E-05	6.5E-06	6.5E-06	7.0E-06
HHR45	6.8E-07	6.8E-07	8.3E-07	1.9E-07	1.9E-07	2.9E-07
HHR46	1.3E-06	1.3E-06	1.5E-06	3.4E-07	3.4E-07	6.4E-07
HHR47	1.6E-06	1.6E-06	1.7E-06	4.1E-07	4.1E-07	7.3E-07
HHR48	2.5E-06	2.5E-06	3.0E-06	5.2E-07	5.2E-07	7.9E-07

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.1E-06	1.1E-06	1.5E-06	3.0E-07	3.0E-07	5.8E-07
HHR50	1.7E-06	1.7E-06	1.9E-06	4.4E-07	4.4E-07	7.6E-07
HHR51	9.0E-07	9.0E-07	1.3E-06	2.7E-07	2.7E-07	4.9E-07
HHR52	3.8E-06	3.8E-06	4.2E-06	1.9E-06	1.9E-06	2.3E-06
HHR53	1.7E-06	1.7E-06	1.9E-06	4.1E-07	4.1E-07	8.7E-07
HHR54	3.1E-06	3.1E-06	3.7E-06	1.9E-06	1.9E-06	2.3E-06
HHR55	1.9E-06	1.9E-06	2.0E-06	5.2E-07	5.2E-07	8.2E-07
HHR56	3.1E-06	3.1E-06	3.7E-06	9.0E-07	9.0E-07	1.4E-06
HHR57	3.9E-06	3.9E-06	4.3E-06	1.0E-06	1.0E-06	1.7E-06
HHR58	6.4E-07	6.4E-07	9.2E-07	2.0E-07	2.0E-07	3.1E-07
HHR59	6.3E-07	6.3E-07	9.2E-07	2.0E-07	2.0E-07	3.1E-07
HHR60	7.5E-07	7.5E-07	1.1E-06	2.4E-07	2.4E-07	3.7E-07
HHR61	4.3E-06	4.3E-06	4.6E-06	1.1E-06	1.1E-06	1.9E-06
HHR62	4.1E-06	4.1E-06	4.4E-06	1.2E-06	1.2E-06	1.9E-06
HHR63	5.4E-06	5.4E-06	5.7E-06	1.8E-06	1.8E-06	2.3E-06
HHR64	6.8E-06	6.8E-06	6.9E-06	1.3E-06	1.3E-06	1.6E-06
HHR65	6.4E-06	6.4E-06	6.7E-06	2.6E-06	2.6E-06	3.1E-06
HHR66	1.1E-06	1.1E-06	1.2E-06	2.6E-07	2.6E-07	3.7E-07
HHR67	1.6E-06	1.6E-06	1.8E-06	4.0E-07	4.0E-07	5.4E-07
HHR68	2.3E-06	2.3E-06	2.4E-06	8.0E-07	8.0E-07	1.0E-06
HHR69	2.0E-06	2.0E-06	2.5E-06	4.2E-07	4.2E-07	6.2E-07
HHR70	2.6E-06	2.6E-06	3.0E-06	5.2E-07	5.2E-07	8.1E-07
HHR71	1.3E-05	1.3E-05	1.4E-05	8.9E-06	8.9E-06	9.5E-06
HHR72	7.4E-07	7.4E-07	7.7E-07	1.4E-07	1.4E-07	2.1E-07
HHR73	3.9E-06	3.9E-06	4.1E-06	2.0E-06	2.0E-06	2.4E-06
HHR74	1.3E-05	1.3E-05	1.3E-05	9.0E-06	9.0E-06	9.5E-06
HHR75	1.2E-05	1.2E-05	1.2E-05	6.6E-06	6.6E-06	7.1E-06
HHR76	1.0E-05	1.0E-05	1.1E-05	8.5E-06	8.5E-06	8.9E-06
HHR77	9.7E-06	9.7E-06	9.9E-06	4.7E-06	4.7E-06	5.0E-06
HHR78	7.2E-06	7.2E-06	7.4E-06	2.7E-06	2.7E-06	3.0E-06
HHR79	1.1E-05	1.1E-05	1.2E-05	7.4E-06	7.4E-06	7.8E-06
HHR80	6.4E-06	6.4E-06	6.8E-06	3.2E-06	3.2E-06	3.6E-06
HHR81	6.0E-06	6.0E-06	6.4E-06	3.2E-06	3.2E-06	3.6E-06
HHR82	4.8E-06	4.8E-06	5.2E-06	2.7E-06	2.7E-06	3.0E-06
HHR83	6.0E-06	6.0E-06	6.3E-06	2.9E-06	2.9E-06	3.3E-06
MPOI	7.6E-05	7.6E-05	7.7E-05	5.1E-05	5.1E-05	5.2E-05

Table M6.2-18: Inhalation Exposure Hazard Quotient for Acenaphthylene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	7.4E-09	7.4E-09	7.6E-09	2.2E-09	2.7E-09	3.3E-09
HHR2	9.1E-09	9.9E-09	9.9E-09	2.1E-09	2.5E-09	3.0E-09
HHR3	2.7E-08	2.7E-08	2.7E-08	3.4E-09	4.1E-09	5.0E-09
HHR4	5.9E-09	6.2E-09	6.9E-09	2.4E-09	2.9E-09	3.6E-09
HHR5	1.4E-08	1.4E-08	1.4E-08	3.0E-09	3.5E-09	4.1E-09
HHR6	6.0E-09	6.1E-09	1.1E-08	2.4E-09	3.0E-09	3.9E-09
HHR7	2.9E-09	3.7E-09	4.5E-09	8.4E-10	1.0E-09	1.8E-09
HHR8	5.0E-09	5.6E-09	6.2E-09	1.9E-09	2.2E-09	3.0E-09
HHR9	5.1E-09	6.0E-09	6.6E-09	1.9E-09	2.3E-09	2.9E-09
HHR10	8.1E-09	9.6E-09	1.0E-08	1.5E-09	2.0E-09	2.5E-09
HHR11	4.1E-09	4.4E-09	4.7E-09	2.5E-09	3.0E-09	3.5E-09
HHR12	8.5E-09	8.5E-09	8.6E-09	2.3E-09	2.8E-09	3.6E-09
HHR13	4.1E-09	4.3E-09	4.6E-09	2.5E-09	3.0E-09	3.6E-09
HHR14	7.0E-09	7.6E-09	8.0E-09	2.6E-09	3.2E-09	3.7E-09
HHR15	4.3E-09	5.7E-09	5.7E-09	1.3E-09	2.2E-09	2.8E-09
HHR16	4.4E-09	5.0E-09	5.3E-09	1.9E-09	2.2E-09	2.8E-09
HHR17	7.1E-09	7.1E-09	7.3E-09	2.3E-09	2.6E-09	3.0E-09
HHR18	8.7E-09	8.7E-09	8.8E-09	2.2E-09	2.5E-09	3.1E-09
HHR19	7.7E-09	7.8E-09	7.9E-09	2.3E-09	2.7E-09	3.3E-09
HHR20	7.8E-09	8.2E-09	8.4E-09	2.3E-09	2.7E-09	3.2E-09
HHR21	4.4E-09	4.6E-09	4.8E-09	2.5E-09	3.0E-09	3.6E-09
HHR22	5.7E-09	5.8E-09	6.0E-09	2.4E-09	3.2E-09	3.8E-09
HHR23	6.1E-09	6.3E-09	6.5E-09	2.3E-09	2.8E-09	3.6E-09
HHR24	6.3E-09	6.5E-09	6.6E-09	2.3E-09	2.7E-09	3.5E-09
HHR25	4.0E-09	5.2E-09	5.3E-09	2.0E-09	3.0E-09	3.6E-09
HHR26	6.4E-09	7.8E-09	8.0E-09	2.5E-09	4.0E-09	4.9E-09
HHR27	5.7E-09	8.9E-09	8.9E-09	2.5E-09	3.7E-09	4.5E-09
HHR28	5.1E-09	6.0E-09	1.6E-08	1.2E-09	1.7E-09	3.2E-09
HHR29	8.2E-09	8.3E-09	9.6E-09	2.4E-09	2.6E-09	4.1E-09
HHR30	9.0E-09	9.7E-09	1.2E-08	2.0E-09	2.3E-09	2.9E-09
HHR31	1.9E-08	1.9E-08	2.0E-08	3.1E-09	3.4E-09	4.7E-09
HHR32	1.2E-08	1.2E-08	1.4E-08	3.1E-09	3.3E-09	4.8E-09
HHR33	6.9E-09	6.9E-09	7.3E-09	1.9E-09	2.2E-09	3.3E-09
HHR34	4.1E-09	4.9E-09	5.3E-09	1.8E-09	2.1E-09	2.8E-09
HHR35	8.7E-09	8.7E-09	9.6E-09	3.0E-09	3.3E-09	4.7E-09
HHR36	8.3E-09	8.4E-09	8.9E-09	2.1E-09	2.5E-09	3.4E-09
HHR37	1.1E-08	1.1E-08	1.1E-08	2.2E-09	2.6E-09	3.2E-09
HHR38	9.0E-09	9.3E-09	1.0E-08	3.1E-09	3.4E-09	4.8E-09
HHR39	7.2E-09	7.6E-09	8.0E-09	2.4E-09	2.8E-09	3.3E-09
HHR40	6.3E-09	6.6E-09	7.0E-09	2.2E-09	2.5E-09	3.0E-09
HHR41	8.2E-09	8.8E-09	9.0E-09	2.7E-09	3.0E-09	3.5E-09
HHR42	5.5E-09	5.7E-09	5.9E-09	2.0E-09	2.3E-09	2.9E-09
HHR43	5.7E-09	6.0E-09	7.0E-09	2.5E-09	3.0E-09	3.7E-09
HHR44	5.2E-09	5.4E-09	6.3E-09	2.5E-09	3.0E-09	3.7E-09
HHR45	4.0E-09	4.8E-09	1.1E-08	1.1E-09	1.5E-09	2.5E-09
HHR46	1.2E-08	1.2E-08	2.5E-08	2.3E-09	3.1E-09	5.1E-09
HHR47	1.4E-08	1.5E-08	1.8E-08	3.0E-09	3.7E-09	4.8E-09
HHR48	5.9E-09	6.3E-09	6.7E-09	2.1E-09	2.4E-09	2.9E-09

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.2E-08	1.2E-08	2.9E-08	2.2E-09	3.1E-09	4.7E-09
HHR50	2.1E-08	2.3E-08	2.3E-08	3.0E-09	3.7E-09	4.6E-09
HHR51	1.2E-08	1.2E-08	2.3E-08	2.2E-09	3.2E-09	4.6E-09
HHR52	1.6E-08	1.7E-08	1.7E-08	1.4E-09	1.8E-09	2.4E-09
HHR53	3.0E-08	3.0E-08	3.1E-08	4.7E-09	5.6E-09	6.8E-09
HHR54	2.0E-08	2.0E-08	2.0E-08	1.6E-09	2.0E-09	2.6E-09
HHR55	1.7E-08	2.0E-08	2.0E-08	2.2E-09	2.8E-09	3.6E-09
HHR56	1.7E-08	1.8E-08	1.8E-08	2.6E-09	3.2E-09	3.9E-09
HHR57	1.2E-08	1.2E-08	1.3E-08	2.6E-09	3.1E-09	3.6E-09
HHR58	1.0E-08	1.0E-08	1.0E-08	2.4E-09	3.7E-09	4.4E-09
HHR59	9.3E-09	9.3E-09	9.3E-09	2.4E-09	3.7E-09	4.3E-09
HHR60	1.0E-08	1.0E-08	1.0E-08	2.4E-09	4.3E-09	4.9E-09
HHR61	6.0E-08	6.0E-08	6.1E-08	6.1E-09	6.7E-09	7.2E-09
HHR62	2.1E-08	2.1E-08	2.1E-08	3.6E-09	4.3E-09	4.9E-09
HHR63	7.2E-09	7.6E-09	7.7E-09	2.8E-09	3.4E-09	4.0E-09
HHR64	9.9E-09	9.9E-09	1.0E-08	2.7E-09	3.1E-09	3.7E-09
HHR65	6.4E-09	6.4E-09	7.1E-09	2.7E-09	3.3E-09	3.9E-09
HHR66	5.8E-09	9.5E-09	9.5E-09	2.4E-09	3.7E-09	4.5E-09
HHR67	5.8E-09	9.1E-09	9.3E-09	2.3E-09	4.0E-09	5.2E-09
HHR68	5.9E-09	5.9E-09	6.0E-09	2.1E-09	3.2E-09	3.8E-09
HHR69	5.5E-09	5.9E-09	6.1E-09	1.8E-09	2.1E-09	2.6E-09
HHR70	6.5E-09	7.0E-09	7.4E-09	2.1E-09	2.4E-09	2.9E-09
HHR71	1.6E-08	1.6E-08	1.6E-08	2.9E-09	3.3E-09	3.8E-09
HHR72	4.1E-09	4.9E-09	5.0E-09	1.5E-09	2.2E-09	2.7E-09
HHR73	4.4E-09	5.5E-09	5.7E-09	2.3E-09	3.2E-09	3.8E-09
HHR74	8.6E-09	8.8E-09	8.9E-09	2.2E-09	2.6E-09	3.2E-09
HHR75	1.5E-08	1.5E-08	1.5E-08	3.2E-09	3.7E-09	4.5E-09
HHR76	1.2E-08	1.2E-08	1.2E-08	3.3E-09	4.0E-09	4.7E-09
HHR77	4.0E-09	4.3E-09	4.6E-09	2.4E-09	2.9E-09	3.5E-09
HHR78	8.2E-09	8.2E-09	8.2E-09	2.6E-09	3.0E-09	3.6E-09
HHR79	6.7E-09	7.0E-09	7.1E-09	2.3E-09	2.7E-09	3.3E-09
HHR80	4.8E-09	5.0E-09	5.3E-09	2.2E-09	2.6E-09	3.6E-09
HHR81	5.0E-09	5.2E-09	5.3E-09	2.3E-09	2.7E-09	3.2E-09
HHR82	4.3E-09	4.9E-09	5.0E-09	2.3E-09	2.7E-09	3.3E-09
HHR83	4.9E-09	5.1E-09	5.2E-09	2.2E-09	2.6E-09	3.2E-09
MPOI	1.1E-07	2.4E-07	2.4E-07	1.9E-08	1.2E-07	1.2E-07

Table M6.2-19: Inhalation Exposure Hazard Quotient for Acetaldehyde

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	2.3E-01	2.3E-01	2.3E-01	8.8E-02	8.8E-02	1.0E-01
HHR2	2.1E-01	2.1E-01	2.2E-01	8.2E-02	8.2E-02	1.2E-01
HHR3	3.0E-02	3.0E-02	3.5E-02	9.1E-03	9.1E-03	1.3E-02
HHR4	2.6E-01	2.6E-01	2.7E-01	1.4E-01	1.4E-01	1.6E-01
HHR5	1.3E-01	1.3E-01	1.5E-01	4.3E-02	4.3E-02	9.0E-02
HHR6	1.4E-01	1.4E-01	1.5E-01	3.7E-02	3.7E-02	4.3E-02
HHR7	1.5E-02	1.5E-02	1.7E-02	3.4E-03	3.4E-03	4.7E-03
HHR8	3.3E-01	3.3E-01	3.4E-01	1.7E-01	1.7E-01	1.9E-01
HHR9	2.8E-01	2.8E-01	2.9E-01	1.3E-01	1.3E-01	1.4E-01
HHR10	6.5E-02	6.5E-02	8.1E-02	1.9E-02	1.9E-02	2.8E-02
HHR11	1.9E-01	1.9E-01	1.9E-01	1.2E-01	1.2E-01	1.3E-01
HHR12	3.8E-01	3.8E-01	3.9E-01	2.2E-01	2.2E-01	2.4E-01
HHR13	3.3E-01	3.3E-01	3.3E-01	1.8E-01	1.8E-01	1.8E-01
HHR14	1.7E-01	1.7E-01	1.8E-01	6.0E-02	6.0E-02	7.5E-02
HHR15	1.7E-02	1.7E-02	1.8E-02	2.9E-03	2.9E-03	4.4E-03
HHR16	9.6E-02	9.6E-02	1.1E-01	5.1E-02	5.1E-02	5.9E-02
HHR17	7.4E-02	7.4E-02	9.5E-02	1.7E-02	1.7E-02	2.5E-02
HHR18	3.4E-01	3.4E-01	3.5E-01	2.3E-01	2.3E-01	2.4E-01
HHR19	3.5E-01	3.5E-01	3.5E-01	2.2E-01	2.2E-01	2.3E-01
HHR20	3.9E-01	3.9E-01	4.0E-01	2.7E-01	2.7E-01	2.8E-01
HHR21	2.6E-01	2.6E-01	2.6E-01	1.4E-01	1.4E-01	1.5E-01
HHR22	1.4E-01	1.4E-01	1.4E-01	7.6E-02	7.6E-02	8.6E-02
HHR23	3.1E-01	3.1E-01	3.2E-01	2.0E-01	2.0E-01	2.1E-01
HHR24	3.3E-01	3.3E-01	3.4E-01	2.0E-01	2.0E-01	2.2E-01
HHR25	7.9E-02	7.9E-02	8.3E-02	3.0E-02	3.0E-02	3.7E-02
HHR26	5.5E-02	5.5E-02	6.2E-02	1.2E-02	1.2E-02	1.6E-02
HHR27	3.1E-02	3.1E-02	3.2E-02	7.1E-03	7.1E-03	1.0E-02
HHR28	2.2E-02	2.2E-02	2.8E-02	6.8E-03	6.8E-03	1.0E-02
HHR29	4.1E-01	4.1E-01	4.2E-01	3.3E-01	3.3E-01	3.6E-01
HHR30	1.2E-01	1.2E-01	1.5E-01	2.5E-02	2.5E-02	5.2E-02
HHR31	1.3E+00	1.3E+00	1.3E+00	1.2E+00	1.2E+00	1.2E+00
HHR32	6.0E-01	6.0E-01	6.1E-01	6.6E-01	6.6E-01	6.8E-01
HHR33	1.2E+00	1.2E+00	1.2E+00	6.4E-01	6.4E-01	6.6E-01
HHR34	8.3E-02	8.3E-02	9.3E-02	4.9E-02	4.9E-02	5.7E-02
HHR35	5.3E-01	5.3E-01	5.4E-01	5.4E-01	5.4E-01	5.6E-01
HHR36	5.6E-01	5.6E-01	5.7E-01	3.2E-01	3.2E-01	3.4E-01
HHR37	1.4E-01	1.4E-01	2.3E-01	3.4E-02	3.4E-02	2.4E-01
HHR38	2.5E-01	2.5E-01	2.6E-01	2.0E-01	2.0E-01	2.2E-01
HHR39	8.7E-02	8.7E-02	9.6E-02	1.7E-02	1.7E-02	2.7E-02
HHR40	7.4E-02	7.4E-02	9.0E-02	1.6E-02	1.6E-02	2.4E-02
HHR41	9.8E-02	9.8E-02	1.1E-01	2.1E-02	2.1E-02	3.3E-02
HHR42	1.1E-01	1.1E-01	1.2E-01	5.4E-02	5.4E-02	6.3E-02
HHR43	2.4E-01	2.4E-01	2.4E-01	1.3E-01	1.3E-01	1.4E-01
HHR44	2.8E-01	2.8E-01	2.9E-01	1.8E-01	1.8E-01	2.0E-01
HHR45	1.9E-02	1.9E-02	2.4E-02	5.5E-03	5.5E-03	8.3E-03
HHR46	3.6E-02	3.6E-02	4.4E-02	1.0E-02	1.0E-02	1.9E-02
HHR47	4.5E-02	4.5E-02	4.8E-02	1.2E-02	1.2E-02	2.1E-02
HHR48	6.9E-02	6.9E-02	8.4E-02	1.5E-02	1.5E-02	2.2E-02

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	3.1E-02	3.1E-02	4.4E-02	9.1E-03	9.1E-03	1.7E-02
HHR50	4.8E-02	4.8E-02	5.2E-02	1.3E-02	1.3E-02	2.2E-02
HHR51	2.5E-02	2.5E-02	3.6E-02	8.0E-03	8.1E-03	1.4E-02
HHR52	1.1E-01	1.1E-01	1.2E-01	5.6E-02	5.6E-02	6.6E-02
HHR53	4.7E-02	4.7E-02	5.5E-02	1.2E-02	1.2E-02	2.5E-02
HHR54	8.6E-02	8.6E-02	1.0E-01	5.5E-02	5.5E-02	6.7E-02
HHR55	5.2E-02	5.2E-02	5.7E-02	1.5E-02	1.5E-02	2.4E-02
HHR56	8.7E-02	8.8E-02	1.1E-01	2.7E-02	2.7E-02	4.1E-02
HHR57	1.1E-01	1.1E-01	1.2E-01	3.0E-02	3.0E-02	4.8E-02
HHR58	1.8E-02	1.8E-02	2.6E-02	5.9E-03	5.9E-03	8.9E-03
HHR59	1.7E-02	1.7E-02	2.6E-02	5.8E-03	5.9E-03	8.8E-03
HHR60	2.1E-02	2.1E-02	3.1E-02	7.0E-03	7.0E-03	1.1E-02
HHR61	1.2E-01	1.2E-01	1.3E-01	3.3E-02	3.3E-02	5.4E-02
HHR62	1.2E-01	1.2E-01	1.2E-01	3.7E-02	3.7E-02	5.6E-02
HHR63	1.5E-01	1.5E-01	1.6E-01	5.1E-02	5.1E-02	6.7E-02
HHR64	1.9E-01	1.9E-01	1.9E-01	3.6E-02	3.6E-02	4.4E-02
HHR65	1.8E-01	1.8E-01	1.9E-01	7.3E-02	7.3E-02	8.7E-02
HHR66	3.0E-02	3.0E-02	3.5E-02	7.5E-03	7.5E-03	1.1E-02
HHR67	4.6E-02	4.6E-02	5.1E-02	1.1E-02	1.1E-02	1.5E-02
HHR68	6.5E-02	6.5E-02	6.8E-02	2.3E-02	2.3E-02	2.9E-02
HHR69	5.5E-02	5.5E-02	7.0E-02	1.2E-02	1.2E-02	1.8E-02
HHR70	7.3E-02	7.3E-02	8.4E-02	1.5E-02	1.5E-02	2.3E-02
HHR71	3.7E-01	3.7E-01	3.8E-01	2.5E-01	2.5E-01	2.7E-01
HHR72	2.1E-02	2.1E-02	2.1E-02	4.1E-03	4.1E-03	6.1E-03
HHR73	1.1E-01	1.1E-01	1.1E-01	5.7E-02	5.7E-02	6.7E-02
HHR74	3.5E-01	3.5E-01	3.6E-01	2.5E-01	2.5E-01	2.6E-01
HHR75	3.4E-01	3.4E-01	3.4E-01	1.9E-01	1.9E-01	2.0E-01
HHR76	2.9E-01	2.9E-01	3.0E-01	2.4E-01	2.4E-01	2.5E-01
HHR77	2.7E-01	2.7E-01	2.7E-01	1.3E-01	1.3E-01	1.4E-01
HHR78	2.0E-01	2.0E-01	2.1E-01	7.7E-02	7.7E-02	8.5E-02
HHR79	3.2E-01	3.2E-01	3.3E-01	2.1E-01	2.1E-01	2.2E-01
HHR80	1.8E-01	1.8E-01	1.9E-01	9.0E-02	9.0E-02	1.0E-01
HHR81	1.7E-01	1.7E-01	1.8E-01	8.9E-02	8.9E-02	9.9E-02
HHR82	1.3E-01	1.3E-01	1.4E-01	7.5E-02	7.5E-02	8.4E-02
HHR83	1.7E-01	1.7E-01	1.8E-01	8.1E-02	8.1E-02	9.1E-02
MPOI	2.1E+00	2.1E+00	2.1E+00	1.4E+00	1.4E+00	1.4E+00

Table M6.2-20: Inhalation Exposure Hazard Quotient for Acrolein

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	6.6E-01	6.6E-01	6.9E-01	3.2E+00	3.2E+00	3.8E+00
HHR2	6.0E-01	6.0E-01	6.6E-01	3.0E+00	3.0E+00	4.3E+00
HHR3	8.9E-02	8.9E-02	1.0E-01	3.7E-01	3.8E-01	5.3E-01
HHR4	7.6E-01	7.6E-01	7.8E-01	5.2E+00	5.2E+00	5.8E+00
HHR5	3.9E-01	4.0E-01	4.4E-01	1.6E+00	1.6E+00	3.3E+00
HHR6	4.1E-01	4.1E-01	4.3E-01	1.4E+00	1.4E+00	1.6E+00
HHR7	4.6E-02	4.6E-02	5.2E-02	1.4E-01	1.4E-01	2.0E-01
HHR8	9.8E-01	9.8E-01	1.0E+00	6.4E+00	6.4E+00	7.2E+00
HHR9	8.2E-01	8.2E-01	8.5E-01	4.7E+00	4.7E+00	5.3E+00
HHR10	1.9E-01	1.9E-01	2.4E-01	8.4E-01	8.5E-01	1.2E+00
HHR11	5.5E-01	5.5E-01	5.6E-01	4.4E+00	4.4E+00	4.7E+00
HHR12	1.1E+00	1.1E+00	1.2E+00	8.2E+00	8.2E+00	8.9E+00
HHR13	9.7E-01	9.7E-01	9.8E-01	6.5E+00	6.5E+00	6.8E+00
HHR14	5.1E-01	5.1E-01	5.4E-01	2.2E+00	2.2E+00	2.8E+00
HHR15	5.0E-02	5.0E-02	5.3E-02	1.3E-01	1.3E-01	2.0E-01
HHR16	2.8E-01	2.8E-01	3.1E-01	1.9E+00	1.9E+00	2.2E+00
HHR17	2.2E-01	2.2E-01	2.8E-01	6.5E-01	6.5E-01	9.6E-01
HHR18	1.0E+00	1.0E+00	1.0E+00	8.3E+00	8.3E+00	8.9E+00
HHR19	1.0E+00	1.0E+00	1.0E+00	8.2E+00	8.2E+00	8.6E+00
HHR20	1.1E+00	1.1E+00	1.2E+00	1.0E+01	1.0E+01	1.0E+01
HHR21	7.6E-01	7.6E-01	7.7E-01	5.3E+00	5.3E+00	5.7E+00
HHR22	4.0E-01	4.0E-01	4.2E-01	2.8E+00	2.8E+00	3.2E+00
HHR23	9.1E-01	9.1E-01	9.4E-01	7.3E+00	7.3E+00	7.9E+00
HHR24	9.5E-01	9.6E-01	9.9E-01	7.5E+00	7.5E+00	8.1E+00
HHR25	2.3E-01	2.3E-01	2.4E-01	1.1E+00	1.1E+00	1.4E+00
HHR26	1.6E-01	1.6E-01	1.8E-01	4.8E-01	4.9E-01	6.5E-01
HHR27	9.1E-02	9.1E-02	9.6E-02	2.9E-01	3.1E-01	4.3E-01
HHR28	6.5E-02	6.6E-02	8.4E-02	2.7E-01	2.8E-01	4.2E-01
HHR29	1.2E+00	1.2E+00	1.2E+00	1.2E+01	1.2E+01	1.3E+01
HHR30	3.4E-01	3.4E-01	4.5E-01	9.2E-01	9.3E-01	1.9E+00
HHR31	3.9E+00	3.9E+00	3.9E+00	4.3E+01	4.3E+01	4.4E+01
HHR32	1.8E+00	1.8E+00	1.8E+00	2.4E+01	2.4E+01	2.5E+01
HHR33	3.5E+00	3.5E+00	3.5E+00	2.4E+01	2.4E+01	2.4E+01
HHR34	2.4E-01	2.4E-01	2.7E-01	1.8E+00	1.8E+00	2.1E+00
HHR35	1.6E+00	1.6E+00	1.6E+00	2.0E+01	2.0E+01	2.0E+01
HHR36	1.6E+00	1.6E+00	1.7E+00	1.2E+01	1.2E+01	1.3E+01
HHR37	4.1E-01	4.2E-01	6.8E-01	1.3E+00	1.3E+00	8.8E+00
HHR38	7.4E-01	7.4E-01	7.6E-01	7.3E+00	7.3E+00	8.0E+00
HHR39	2.6E-01	2.6E-01	2.8E-01	6.6E-01	6.6E-01	1.0E+00
HHR40	2.2E-01	2.2E-01	2.7E-01	6.1E-01	6.1E-01	9.2E-01
HHR41	2.9E-01	2.9E-01	3.3E-01	8.0E-01	8.0E-01	1.3E+00
HHR42	3.2E-01	3.2E-01	3.5E-01	2.0E+00	2.0E+00	2.3E+00
HHR43	6.9E-01	6.9E-01	7.1E-01	4.7E+00	4.7E+00	5.2E+00
HHR44	8.1E-01	8.1E-01	8.5E-01	6.7E+00	6.7E+00	7.2E+00
HHR45	5.6E-02	5.6E-02	7.0E-02	2.2E-01	2.3E-01	3.4E-01
HHR46	1.0E-01	1.1E-01	1.3E-01	4.1E-01	4.2E-01	7.6E-01
HHR47	1.3E-01	1.3E-01	1.4E-01	4.9E-01	5.0E-01	8.4E-01
HHR48	2.0E-01	2.0E-01	2.5E-01	5.6E-01	5.6E-01	8.4E-01

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	9.1E-02	9.1E-02	1.3E-01	3.8E-01	3.9E-01	6.9E-01
HHR50	1.4E-01	1.4E-01	1.5E-01	5.3E-01	5.4E-01	8.8E-01
HHR51	7.3E-02	7.4E-02	1.1E-01	3.4E-01	3.5E-01	5.9E-01
HHR52	3.1E-01	3.1E-01	3.5E-01	2.1E+00	2.1E+00	2.5E+00
HHR53	1.4E-01	1.4E-01	1.6E-01	4.9E-01	5.0E-01	9.9E-01
HHR54	2.5E-01	2.5E-01	3.1E-01	2.0E+00	2.0E+00	2.5E+00
HHR55	1.5E-01	1.5E-01	1.7E-01	6.1E-01	6.2E-01	9.4E-01
HHR56	2.6E-01	2.6E-01	3.1E-01	1.0E+00	1.0E+00	1.5E+00
HHR57	3.2E-01	3.2E-01	3.6E-01	1.1E+00	1.1E+00	1.8E+00
HHR58	5.2E-02	5.2E-02	7.6E-02	2.5E-01	2.6E-01	3.8E-01
HHR59	5.1E-02	5.2E-02	7.6E-02	2.5E-01	2.6E-01	3.7E-01
HHR60	6.1E-02	6.1E-02	9.0E-02	2.9E-01	3.1E-01	4.5E-01
HHR61	3.5E-01	3.5E-01	3.8E-01	1.2E+00	1.2E+00	2.0E+00
HHR62	3.4E-01	3.4E-01	3.6E-01	1.3E+00	1.3E+00	2.0E+00
HHR63	4.4E-01	4.4E-01	4.6E-01	1.9E+00	1.9E+00	2.5E+00
HHR64	5.6E-01	5.6E-01	5.7E-01	1.3E+00	1.3E+00	1.7E+00
HHR65	5.2E-01	5.2E-01	5.5E-01	2.7E+00	2.7E+00	3.2E+00
HHR66	9.0E-02	9.0E-02	1.0E-01	3.1E-01	3.2E-01	4.5E-01
HHR67	1.4E-01	1.4E-01	1.5E-01	4.5E-01	4.7E-01	6.4E-01
HHR68	1.9E-01	1.9E-01	2.0E-01	8.5E-01	8.7E-01	1.1E+00
HHR69	1.6E-01	1.6E-01	2.1E-01	4.5E-01	4.5E-01	6.7E-01
HHR70	2.1E-01	2.1E-01	2.5E-01	5.6E-01	5.6E-01	8.7E-01
HHR71	1.1E+00	1.1E+00	1.1E+00	9.2E+00	9.2E+00	9.8E+00
HHR72	6.1E-02	6.1E-02	6.4E-02	1.7E-01	1.8E-01	2.6E-01
HHR73	3.2E-01	3.2E-01	3.3E-01	2.1E+00	2.1E+00	2.5E+00
HHR74	1.0E+00	1.0E+00	1.1E+00	9.2E+00	9.3E+00	9.8E+00
HHR75	9.9E-01	9.9E-01	1.0E+00	6.8E+00	6.8E+00	7.3E+00
HHR76	8.6E-01	8.6E-01	8.7E-01	8.8E+00	8.8E+00	9.1E+00
HHR77	7.9E-01	7.9E-01	8.1E-01	4.9E+00	4.9E+00	5.2E+00
HHR78	5.9E-01	5.9E-01	6.1E-01	2.8E+00	2.9E+00	3.1E+00
HHR79	9.4E-01	9.4E-01	9.6E-01	7.6E+00	7.6E+00	8.0E+00
HHR80	5.3E-01	5.3E-01	5.6E-01	3.3E+00	3.3E+00	3.7E+00
HHR81	4.9E-01	4.9E-01	5.2E-01	3.3E+00	3.3E+00	3.7E+00
HHR82	4.0E-01	4.0E-01	4.3E-01	2.8E+00	2.8E+00	3.1E+00
HHR83	4.9E-01	4.9E-01	5.1E-01	3.0E+00	3.0E+00	3.4E+00
MPOI	6.2E+00	6.2E+00	6.3E+00	5.2E+01	5.2E+01	5.3E+01

Table M6.2-21: Inhalation Exposure Hazard Quotient for Anthracene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.0E-06	1.0E-06	1.0E-06	3.9E-07	3.9E-07	4.5E-07
HHR2	9.1E-07	9.1E-07	1.0E-06	3.6E-07	3.6E-07	5.1E-07
HHR3	1.4E-07	1.4E-07	1.6E-07	3.9E-08	3.9E-08	5.6E-08
HHR4	1.2E-06	1.2E-06	1.2E-06	6.3E-07	6.3E-07	6.9E-07
HHR5	6.0E-07	6.0E-07	6.6E-07	1.8E-07	1.8E-07	3.9E-07
HHR6	6.2E-07	6.2E-07	6.6E-07	1.6E-07	1.6E-07	1.9E-07
HHR7	6.5E-08	6.5E-08	7.4E-08	1.4E-08	1.4E-08	2.0E-08
HHR8	1.5E-06	1.5E-06	1.5E-06	7.8E-07	7.8E-07	8.6E-07
HHR9	1.3E-06	1.3E-06	1.3E-06	5.7E-07	5.7E-07	6.4E-07
HHR10	2.9E-07	2.9E-07	3.6E-07	8.1E-08	8.1E-08	1.2E-07
HHR11	8.3E-07	8.3E-07	8.5E-07	5.3E-07	5.3E-07	5.7E-07
HHR12	1.7E-06	1.7E-06	1.7E-06	1.0E-06	1.0E-06	1.1E-06
HHR13	1.5E-06	1.5E-06	1.5E-06	7.9E-07	7.9E-07	8.2E-07
HHR14	7.8E-07	7.8E-07	8.2E-07	2.6E-07	2.6E-07	3.3E-07
HHR15	7.5E-08	7.5E-08	7.9E-08	1.2E-08	1.2E-08	1.9E-08
HHR16	4.3E-07	4.3E-07	4.7E-07	2.2E-07	2.2E-07	2.6E-07
HHR17	3.3E-07	3.3E-07	4.2E-07	7.5E-08	7.5E-08	1.1E-07
HHR18	1.5E-06	1.5E-06	1.6E-06	1.0E-06	1.0E-06	1.1E-06
HHR19	1.5E-06	1.5E-06	1.6E-06	1.0E-06	1.0E-06	1.0E-06
HHR20	1.7E-06	1.7E-06	1.8E-06	1.2E-06	1.2E-06	1.3E-06
HHR21	1.1E-06	1.1E-06	1.2E-06	6.5E-07	6.5E-07	6.8E-07
HHR22	6.0E-07	6.0E-07	6.3E-07	3.4E-07	3.4E-07	3.8E-07
HHR23	1.4E-06	1.4E-06	1.4E-06	8.8E-07	8.8E-07	9.5E-07
HHR24	1.5E-06	1.5E-06	1.5E-06	9.1E-07	9.1E-07	9.8E-07
HHR25	3.5E-07	3.5E-07	3.7E-07	1.3E-07	1.3E-07	1.6E-07
HHR26	2.5E-07	2.5E-07	2.7E-07	5.2E-08	5.2E-08	6.9E-08
HHR27	1.4E-07	1.4E-07	1.4E-07	3.0E-08	3.1E-08	4.3E-08
HHR28	9.9E-08	9.9E-08	1.2E-07	2.9E-08	2.9E-08	4.5E-08
HHR29	1.8E-06	1.8E-06	1.9E-06	1.5E-06	1.5E-06	1.6E-06
HHR30	5.1E-07	5.1E-07	6.8E-07	1.1E-07	1.1E-07	2.3E-07
HHR31	5.9E-06	5.9E-06	5.9E-06	5.2E-06	5.2E-06	5.3E-06
HHR32	2.7E-06	2.7E-06	2.7E-06	2.9E-06	2.9E-06	3.0E-06
HHR33	5.3E-06	5.3E-06	5.3E-06	2.9E-06	2.9E-06	3.0E-06
HHR34	3.7E-07	3.7E-07	4.1E-07	2.2E-07	2.2E-07	2.5E-07
HHR35	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.4E-06	2.5E-06
HHR36	2.5E-06	2.5E-06	2.5E-06	1.4E-06	1.4E-06	1.5E-06
HHR37	6.3E-07	6.3E-07	1.0E-06	1.5E-07	1.5E-07	1.1E-06
HHR38	1.1E-06	1.1E-06	1.2E-06	8.9E-07	8.9E-07	9.7E-07
HHR39	3.9E-07	3.9E-07	4.3E-07	7.6E-08	7.6E-08	1.2E-07
HHR40	3.3E-07	3.3E-07	4.0E-07	7.1E-08	7.1E-08	1.1E-07
HHR41	4.4E-07	4.4E-07	5.1E-07	9.3E-08	9.3E-08	1.5E-07
HHR42	4.9E-07	4.9E-07	5.3E-07	2.4E-07	2.4E-07	2.8E-07
HHR43	1.1E-06	1.1E-06	1.1E-06	5.6E-07	5.6E-07	6.2E-07
HHR44	1.2E-06	1.2E-06	1.3E-06	8.1E-07	8.1E-07	8.7E-07
HHR45	8.4E-08	8.4E-08	1.0E-07	2.4E-08	2.4E-08	3.6E-08
HHR46	1.6E-07	1.6E-07	1.9E-07	4.2E-08	4.2E-08	8.0E-08
HHR47	2.0E-07	2.0E-07	2.1E-07	5.1E-08	5.1E-08	9.1E-08
HHR48	3.1E-07	3.1E-07	3.7E-07	6.4E-08	6.4E-08	9.8E-08

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.4E-07	1.4E-07	1.9E-07	3.8E-08	3.8E-08	7.3E-08
HHR50	2.2E-07	2.2E-07	2.3E-07	5.5E-08	5.5E-08	9.5E-08
HHR51	1.1E-07	1.1E-07	1.6E-07	3.4E-08	3.4E-08	6.1E-08
HHR52	4.7E-07	4.7E-07	5.3E-07	2.4E-07	2.4E-07	2.9E-07
HHR53	2.1E-07	2.1E-07	2.4E-07	5.1E-08	5.1E-08	1.1E-07
HHR54	3.8E-07	3.8E-07	4.6E-07	2.4E-07	2.4E-07	2.9E-07
HHR55	2.3E-07	2.3E-07	2.5E-07	6.5E-08	6.5E-08	1.0E-07
HHR56	3.9E-07	3.9E-07	4.7E-07	1.1E-07	1.1E-07	1.7E-07
HHR57	4.8E-07	4.8E-07	5.4E-07	1.3E-07	1.3E-07	2.1E-07
HHR58	7.9E-08	7.9E-08	1.1E-07	2.5E-08	2.5E-08	3.8E-08
HHR59	7.8E-08	7.8E-08	1.1E-07	2.5E-08	2.5E-08	3.8E-08
HHR60	9.3E-08	9.3E-08	1.3E-07	3.0E-08	3.0E-08	4.6E-08
HHR61	5.3E-07	5.3E-07	5.8E-07	1.4E-07	1.4E-07	2.3E-07
HHR62	5.1E-07	5.1E-07	5.5E-07	1.5E-07	1.5E-07	2.3E-07
HHR63	6.7E-07	6.7E-07	7.0E-07	2.2E-07	2.2E-07	2.9E-07
HHR64	8.5E-07	8.5E-07	8.6E-07	1.6E-07	1.6E-07	2.0E-07
HHR65	8.0E-07	8.0E-07	8.3E-07	3.2E-07	3.2E-07	3.9E-07
HHR66	1.3E-07	1.3E-07	1.5E-07	3.2E-08	3.2E-08	4.5E-08
HHR67	2.0E-07	2.0E-07	2.3E-07	4.9E-08	4.9E-08	6.7E-08
HHR68	2.9E-07	2.9E-07	3.0E-07	9.9E-08	9.9E-08	1.3E-07
HHR69	2.4E-07	2.4E-07	3.1E-07	5.2E-08	5.2E-08	7.7E-08
HHR70	3.2E-07	3.2E-07	3.7E-07	6.5E-08	6.5E-08	1.0E-07
HHR71	1.6E-06	1.6E-06	1.7E-06	1.1E-06	1.1E-06	1.2E-06
HHR72	9.1E-08	9.1E-08	9.5E-08	1.8E-08	1.8E-08	2.6E-08
HHR73	4.8E-07	4.8E-07	5.1E-07	2.5E-07	2.5E-07	3.0E-07
HHR74	1.6E-06	1.6E-06	1.6E-06	1.1E-06	1.1E-06	1.2E-06
HHR75	1.5E-06	1.5E-06	1.5E-06	8.2E-07	8.2E-07	8.9E-07
HHR76	1.3E-06	1.3E-06	1.3E-06	1.1E-06	1.1E-06	1.1E-06
HHR77	1.2E-06	1.2E-06	1.2E-06	5.9E-07	5.9E-07	6.2E-07
HHR78	9.0E-07	9.0E-07	9.2E-07	3.4E-07	3.4E-07	3.8E-07
HHR79	1.4E-06	1.4E-06	1.5E-06	9.2E-07	9.2E-07	9.7E-07
HHR80	8.0E-07	8.0E-07	8.4E-07	4.0E-07	4.0E-07	4.5E-07
HHR81	7.4E-07	7.4E-07	7.9E-07	3.9E-07	3.9E-07	4.4E-07
HHR82	6.0E-07	6.0E-07	6.4E-07	3.3E-07	3.3E-07	3.7E-07
HHR83	7.4E-07	7.4E-07	7.8E-07	3.6E-07	3.6E-07	4.0E-07
MPOI	9.5E-06	9.5E-06	9.6E-06	6.3E-06	6.3E-06	6.4E-06

Table M6.2-22: Inhalation Exposure Hazard Quotient for Benzaldahyde

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	2.5E-05	2.5E-05	2.9E-05	2.7E-05	2.8E-05	3.2E-05
HHR2	7.5E-05	7.5E-05	8.7E-05	5.7E-05	5.7E-05	6.5E-05
HHR3	2.3E-05	2.3E-05	2.3E-05	3.9E-06	4.6E-06	4.7E-06
HHR4	2.4E-05	2.4E-05	2.8E-05	2.0E-05	2.1E-05	2.4E-05
HHR5	1.6E-04	1.6E-04	1.8E-04	1.3E-04	1.3E-04	1.5E-04
HHR6	6.1E-06	6.1E-06	6.4E-06	3.6E-06	4.3E-06	4.5E-06
HHR7	1.2E-05	1.2E-05	1.4E-05	6.0E-06	6.2E-06	7.0E-06
HHR8	2.3E-05	2.3E-05	2.6E-05	1.6E-05	1.6E-05	1.9E-05
HHR9	3.8E-05	3.8E-05	4.3E-05	3.1E-05	3.2E-05	3.6E-05
HHR10	1.0E-04	1.1E-04	1.2E-04	5.6E-05	5.7E-05	6.5E-05
HHR11	5.0E-06	5.7E-06	6.1E-06	4.3E-06	4.8E-06	5.0E-06
HHR12	2.8E-05	2.9E-05	3.3E-05	2.8E-05	2.8E-05	3.2E-05
HHR13	4.8E-06	5.9E-06	6.3E-06	4.7E-06	5.1E-06	5.4E-06
HHR14	2.2E-05	2.2E-05	2.5E-05	2.3E-05	2.3E-05	2.7E-05
HHR15	3.9E-06	5.3E-06	5.4E-06	1.7E-06	2.5E-06	2.5E-06
HHR16	4.8E-06	5.4E-06	5.5E-06	3.1E-06	3.5E-06	3.7E-06
HHR17	6.1E-06	6.1E-06	6.1E-06	2.7E-06	3.0E-06	3.1E-06
HHR18	7.2E-06	7.3E-06	7.3E-06	3.8E-06	4.1E-06	4.4E-06
HHR19	6.4E-06	6.5E-06	6.5E-06	3.7E-06	4.1E-06	4.4E-06
HHR20	7.0E-06	7.3E-06	7.3E-06	3.9E-06	4.3E-06	4.5E-06
HHR21	4.9E-06	5.8E-06	6.2E-06	4.6E-06	5.0E-06	5.3E-06
HHR22	9.6E-06	9.6E-06	1.1E-05	7.0E-06	7.7E-06	8.4E-06
HHR23	2.6E-05	2.6E-05	3.0E-05	2.3E-05	2.4E-05	2.7E-05
HHR24	3.5E-05	3.5E-05	4.1E-05	4.0E-05	4.0E-05	4.6E-05
HHR25	6.1E-06	6.6E-06	7.1E-06	4.5E-06	5.5E-06	6.0E-06
HHR26	7.0E-06	7.2E-06	7.3E-06	3.6E-06	4.8E-06	5.0E-06
HHR27	5.6E-06	8.0E-06	8.0E-06	3.2E-06	4.3E-06	4.4E-06
HHR28	2.4E-05	2.5E-05	2.9E-05	8.4E-06	8.8E-06	1.0E-05
HHR29	8.8E-06	9.0E-06	9.5E-06	4.9E-06	5.1E-06	5.5E-06
HHR30	2.3E-05	2.3E-05	2.7E-05	1.3E-05	1.3E-05	1.5E-05
HHR31	1.6E-05	1.6E-05	1.6E-05	8.5E-06	8.8E-06	9.2E-06
HHR32	1.1E-05	1.1E-05	1.2E-05	7.1E-06	7.4E-06	7.9E-06
HHR33	1.7E-05	1.7E-05	2.0E-05	1.2E-05	1.2E-05	1.4E-05
HHR34	4.8E-06	5.3E-06	5.5E-06	3.2E-06	3.5E-06	3.8E-06
HHR35	1.0E-05	1.1E-05	1.1E-05	6.6E-06	6.9E-06	7.3E-06
HHR36	5.2E-05	5.2E-05	6.0E-05	5.1E-05	5.1E-05	5.9E-05
HHR37	3.2E-05	3.3E-05	3.8E-05	2.2E-05	2.3E-05	2.7E-05
HHR38	1.2E-05	1.2E-05	1.3E-05	5.4E-06	5.7E-06	6.0E-06
HHR39	6.4E-06	6.7E-06	6.7E-06	3.0E-06	3.2E-06	3.3E-06
HHR40	5.6E-06	5.8E-06	5.9E-06	2.7E-06	3.0E-06	3.1E-06
HHR41	7.4E-06	7.9E-06	8.0E-06	3.2E-06	3.4E-06	3.5E-06
HHR42	5.1E-06	5.6E-06	5.7E-06	3.3E-06	3.6E-06	3.9E-06
HHR43	2.0E-05	2.0E-05	2.3E-05	1.7E-05	1.8E-05	2.0E-05
HHR44	1.8E-05	1.8E-05	2.0E-05	1.5E-05	1.6E-05	1.8E-05
HHR45	1.8E-05	1.9E-05	2.1E-05	5.3E-06	5.6E-06	6.3E-06
HHR46	2.0E-05	2.0E-05	2.3E-05	1.1E-05	1.1E-05	1.3E-05
HHR47	3.2E-05	3.3E-05	3.8E-05	1.7E-05	1.8E-05	2.0E-05
HHR48	5.4E-06	5.7E-06	5.7E-06	2.6E-06	2.9E-06	2.9E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.7E-05	1.7E-05	1.9E-05	8.4E-06	9.3E-06	1.0E-05
HHR50	3.7E-05	3.7E-05	4.3E-05	2.0E-05	2.0E-05	2.3E-05
HHR51	1.4E-05	1.4E-05	1.6E-05	6.7E-06	7.6E-06	8.3E-06
HHR52	1.3E-04	1.3E-04	1.5E-04	1.0E-04	1.0E-04	1.2E-04
HHR53	2.7E-05	2.7E-05	2.8E-05	1.3E-05	1.4E-05	1.6E-05
HHR54	1.3E-04	1.3E-04	1.5E-04	1.0E-04	1.0E-04	1.2E-04
HHR55	5.5E-05	5.5E-05	6.3E-05	3.0E-05	3.0E-05	3.5E-05
HHR56	4.3E-05	4.3E-05	5.0E-05	3.4E-05	3.5E-05	4.0E-05
HHR57	6.8E-05	6.8E-05	7.8E-05	5.8E-05	5.8E-05	6.6E-05
HHR58	9.2E-06	9.2E-06	9.4E-06	3.5E-06	4.7E-06	4.9E-06
HHR59	8.6E-06	8.6E-06	8.8E-06	3.4E-06	4.6E-06	4.8E-06
HHR60	9.3E-06	9.3E-06	9.5E-06	3.6E-06	5.3E-06	5.5E-06
HHR61	5.8E-05	5.8E-05	6.0E-05	3.7E-05	3.7E-05	4.2E-05
HHR62	2.3E-05	2.3E-05	2.6E-05	2.8E-05	2.8E-05	3.2E-05
HHR63	2.3E-05	2.3E-05	2.6E-05	2.2E-05	2.3E-05	2.6E-05
HHR64	8.2E-06	8.2E-06	8.2E-06	3.4E-06	3.8E-06	3.9E-06
HHR65	2.2E-05	2.2E-05	2.5E-05	2.0E-05	2.1E-05	2.4E-05
HHR66	5.9E-06	8.3E-06	8.4E-06	3.2E-06	4.4E-06	4.5E-06
HHR67	7.1E-06	7.7E-06	7.8E-06	3.5E-06	5.0E-06	5.2E-06
HHR68	6.0E-06	7.0E-06	7.5E-06	4.0E-06	5.2E-06	5.6E-06
HHR69	5.3E-06	5.5E-06	5.5E-06	2.3E-06	2.6E-06	2.7E-06
HHR70	5.8E-06	6.2E-06	6.2E-06	2.6E-06	2.9E-06	3.0E-06
HHR71	1.4E-05	1.4E-05	1.4E-05	4.3E-06	4.6E-06	4.8E-06
HHR72	3.7E-06	4.7E-06	4.7E-06	1.9E-06	2.6E-06	2.6E-06
HHR73	9.7E-06	9.7E-06	1.1E-05	6.8E-06	7.6E-06	8.4E-06
HHR74	7.3E-06	7.4E-06	7.4E-06	3.9E-06	4.2E-06	4.5E-06
HHR75	1.6E-05	1.6E-05	1.8E-05	1.2E-05	1.2E-05	1.3E-05
HHR76	1.7E-05	1.7E-05	1.7E-05	7.1E-06	7.6E-06	8.3E-06
HHR77	4.6E-06	5.6E-06	5.9E-06	4.4E-06	4.9E-06	5.2E-06
HHR78	6.7E-06	6.8E-06	6.8E-06	3.5E-06	3.9E-06	4.0E-06
HHR79	5.9E-06	6.2E-06	6.3E-06	3.9E-06	4.3E-06	4.5E-06
HHR80	7.6E-06	7.9E-06	8.7E-06	4.5E-06	4.9E-06	5.3E-06
HHR81	5.0E-06	5.5E-06	6.0E-06	3.8E-06	4.2E-06	4.5E-06
HHR82	5.2E-06	5.7E-06	6.1E-06	3.7E-06	4.1E-06	4.5E-06
HHR83	5.1E-06	5.6E-06	5.9E-06	3.7E-06	4.1E-06	4.3E-06
MPOI	5.4E-04	5.4E-04	6.3E-04	5.2E-04	5.2E-04	6.0E-04

Table M6.2-23: Inhalation Exposure Hazard Quotient for Benzene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.3E-01	1.3E-01	1.3E-01	5.2E-02	5.2E-02	6.0E-02
HHR2	1.2E-01	1.2E-01	1.3E-01	5.1E-02	5.1E-02	7.2E-02
HHR3	1.7E-02	1.7E-02	2.0E-02	5.5E-03	5.6E-03	7.8E-03
HHR4	1.5E-01	1.5E-01	1.5E-01	8.2E-02	8.2E-02	9.0E-02
HHR5	8.1E-02	8.1E-02	8.9E-02	3.6E-02	3.6E-02	6.4E-02
HHR6	8.0E-02	8.0E-02	8.4E-02	2.1E-02	2.1E-02	2.5E-02
HHR7	9.2E-03	9.2E-03	1.0E-02	2.6E-03	2.6E-03	3.4E-03
HHR8	1.9E-01	1.9E-01	2.0E-01	1.0E-01	1.0E-01	1.1E-01
HHR9	1.6E-01	1.6E-01	1.6E-01	7.6E-02	7.6E-02	8.5E-02
HHR10	3.8E-02	3.8E-02	4.8E-02	1.5E-02	1.5E-02	2.1E-02
HHR11	1.1E-01	1.1E-01	1.1E-01	6.8E-02	6.8E-02	7.3E-02
HHR12	2.1E-01	2.1E-01	2.2E-01	1.3E-01	1.3E-01	1.4E-01
HHR13	1.9E-01	1.9E-01	1.9E-01	1.0E-01	1.0E-01	1.1E-01
HHR14	9.9E-02	9.9E-02	1.0E-01	3.5E-02	3.5E-02	4.4E-02
HHR15	9.6E-03	9.6E-03	1.0E-02	1.9E-03	1.9E-03	2.8E-03
HHR16	5.4E-02	5.4E-02	6.0E-02	2.9E-02	2.9E-02	3.4E-02
HHR17	4.2E-02	4.2E-02	5.4E-02	9.9E-03	1.0E-02	1.5E-02
HHR18	1.9E-01	1.9E-01	2.0E-01	1.3E-01	1.3E-01	1.4E-01
HHR19	2.0E-01	2.0E-01	2.0E-01	1.3E-01	1.3E-01	1.3E-01
HHR20	2.2E-01	2.2E-01	2.3E-01	1.5E-01	1.5E-01	1.6E-01
HHR21	1.5E-01	1.5E-01	1.5E-01	8.3E-02	8.3E-02	8.7E-02
HHR22	7.7E-02	7.7E-02	8.0E-02	4.4E-02	4.4E-02	5.0E-02
HHR23	1.8E-01	1.8E-01	1.8E-01	1.1E-01	1.1E-01	1.2E-01
HHR24	1.9E-01	1.9E-01	1.9E-01	1.2E-01	1.2E-01	1.3E-01
HHR25	4.5E-02	4.5E-02	4.7E-02	1.7E-02	1.7E-02	2.2E-02
HHR26	3.1E-02	3.1E-02	3.5E-02	7.2E-03	7.3E-03	9.6E-03
HHR27	1.8E-02	1.8E-02	1.8E-02	4.4E-03	4.5E-03	6.2E-03
HHR28	1.3E-02	1.3E-02	1.7E-02	4.8E-03	4.9E-03	7.0E-03
HHR29	2.3E-01	2.3E-01	2.4E-01	1.9E-01	1.9E-01	2.0E-01
HHR30	6.6E-02	6.6E-02	8.7E-02	1.5E-02	1.5E-02	3.1E-02
HHR31	7.5E-01	7.5E-01	7.5E-01	6.6E-01	6.6E-01	6.7E-01
HHR32	3.4E-01	3.4E-01	3.5E-01	3.7E-01	3.7E-01	3.9E-01
HHR33	6.7E-01	6.7E-01	6.7E-01	3.6E-01	3.6E-01	3.8E-01
HHR34	4.7E-02	4.7E-02	5.3E-02	2.8E-02	2.8E-02	3.3E-02
HHR35	3.0E-01	3.0E-01	3.1E-01	3.1E-01	3.1E-01	3.2E-01
HHR36	3.2E-01	3.2E-01	3.2E-01	1.9E-01	1.9E-01	2.0E-01
HHR37	8.1E-02	8.1E-02	1.3E-01	2.1E-02	2.1E-02	1.4E-01
HHR38	1.4E-01	1.4E-01	1.5E-01	1.1E-01	1.1E-01	1.2E-01
HHR39	4.9E-02	4.9E-02	5.5E-02	1.0E-02	1.0E-02	1.6E-02
HHR40	4.2E-02	4.2E-02	5.1E-02	9.3E-03	9.4E-03	1.4E-02
HHR41	5.6E-02	5.6E-02	6.4E-02	1.2E-02	1.2E-02	1.9E-02
HHR42	6.2E-02	6.2E-02	6.7E-02	3.1E-02	3.1E-02	3.6E-02
HHR43	1.3E-01	1.3E-01	1.4E-01	7.3E-02	7.3E-02	8.1E-02
HHR44	1.6E-01	1.6E-01	1.6E-01	1.0E-01	1.0E-01	1.1E-01
HHR45	1.1E-02	1.1E-02	1.4E-02	3.8E-03	3.8E-03	5.5E-03
HHR46	2.0E-02	2.0E-02	2.5E-02	7.0E-03	7.1E-03	1.2E-02
HHR47	2.5E-02	2.5E-02	2.7E-02	8.6E-03	8.6E-03	1.4E-02
HHR48	3.9E-02	3.9E-02	4.8E-02	8.5E-03	8.6E-03	1.3E-02

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.8E-02	1.8E-02	2.5E-02	6.3E-03	6.4E-03	1.1E-02
HHR50	2.7E-02	2.7E-02	2.9E-02	9.3E-03	9.4E-03	1.5E-02
HHR51	1.4E-02	1.4E-02	2.1E-02	5.5E-03	5.6E-03	9.2E-03
HHR52	6.6E-02	6.6E-02	7.4E-02	4.1E-02	4.1E-02	4.9E-02
HHR53	2.6E-02	2.6E-02	3.1E-02	8.1E-03	8.2E-03	1.6E-02
HHR54	5.0E-02	5.0E-02	6.1E-02	4.1E-02	4.1E-02	4.9E-02
HHR55	2.9E-02	2.9E-02	3.2E-02	1.1E-02	1.1E-02	1.7E-02
HHR56	5.0E-02	5.0E-02	6.0E-02	1.8E-02	1.8E-02	2.6E-02
HHR57	6.2E-02	6.2E-02	6.9E-02	2.1E-02	2.1E-02	3.3E-02
HHR58	1.0E-02	1.0E-02	1.5E-02	3.8E-03	3.8E-03	5.6E-03
HHR59	9.9E-03	9.9E-03	1.5E-02	3.7E-03	3.8E-03	5.5E-03
HHR60	1.2E-02	1.2E-02	1.8E-02	4.4E-03	4.5E-03	6.6E-03
HHR61	6.8E-02	6.8E-02	7.4E-02	2.0E-02	2.0E-02	3.4E-02
HHR62	6.5E-02	6.5E-02	7.0E-02	2.1E-02	2.1E-02	3.3E-02
HHR63	8.5E-02	8.5E-02	9.0E-02	3.0E-02	3.0E-02	3.9E-02
HHR64	1.1E-01	1.1E-01	1.1E-01	2.1E-02	2.1E-02	2.5E-02
HHR65	1.0E-01	1.0E-01	1.1E-01	4.3E-02	4.3E-02	5.1E-02
HHR66	1.7E-02	1.7E-02	2.0E-02	4.6E-03	4.7E-03	6.5E-03
HHR67	2.6E-02	2.6E-02	2.9E-02	6.8E-03	7.0E-03	9.3E-03
HHR68	3.7E-02	3.7E-02	3.9E-02	1.3E-02	1.3E-02	1.7E-02
HHR69	3.1E-02	3.1E-02	4.0E-02	6.9E-03	7.0E-03	1.0E-02
HHR70	4.1E-02	4.1E-02	4.8E-02	8.6E-03	8.6E-03	1.3E-02
HHR71	2.1E-01	2.1E-01	2.1E-01	1.4E-01	1.4E-01	1.5E-01
HHR72	1.2E-02	1.2E-02	1.2E-02	2.6E-03	2.6E-03	3.7E-03
HHR73	6.1E-02	6.1E-02	6.5E-02	3.3E-02	3.3E-02	3.9E-02
HHR74	2.0E-01	2.0E-01	2.0E-01	1.4E-01	1.4E-01	1.5E-01
HHR75	1.9E-01	1.9E-01	1.9E-01	1.1E-01	1.1E-01	1.1E-01
HHR76	1.7E-01	1.7E-01	1.7E-01	1.4E-01	1.4E-01	1.4E-01
HHR77	1.5E-01	1.5E-01	1.6E-01	7.6E-02	7.6E-02	8.0E-02
HHR78	1.1E-01	1.1E-01	1.2E-01	4.4E-02	4.4E-02	4.8E-02
HHR79	1.8E-01	1.8E-01	1.9E-01	1.2E-01	1.2E-01	1.2E-01
HHR80	1.0E-01	1.0E-01	1.1E-01	5.2E-02	5.2E-02	5.7E-02
HHR81	9.4E-02	9.4E-02	1.0E-01	5.1E-02	5.1E-02	5.7E-02
HHR82	7.6E-02	7.6E-02	8.2E-02	4.3E-02	4.3E-02	4.8E-02
HHR83	9.5E-02	9.5E-02	9.9E-02	4.6E-02	4.6E-02	5.2E-02
MPOI	1.2E+00	1.2E+00	1.2E+00	8.0E-01	8.0E-01	8.1E-01

Table M6.2-24: Inhalation Exposure Hazard Quotient for C_5-C_8 Aliphatics

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	5.6E-02	5.6E-02	6.0E-02	2.5E-03	2.5E-03	3.1E-03
HHR2	4.9E-02	4.9E-02	5.7E-02	2.6E-03	2.6E-03	3.7E-03
HHR3	2.2E-02	2.2E-02	2.4E-02	5.7E-04	5.8E-04	7.3E-04
HHR4	6.1E-02	6.1E-02	6.5E-02	3.5E-03	3.5E-03	4.1E-03
HHR5	3.2E-02	3.2E-02	3.6E-02	9.8E-04	9.8E-04	2.2E-03
HHR6	7.3E-02	7.3E-02	7.5E-02	2.2E-03	2.2E-03	2.4E-03
HHR7	4.5E-03	4.5E-03	5.0E-03	9.5E-05	9.5E-05	1.5E-04
HHR8	5.7E-02	5.7E-02	6.2E-02	3.8E-03	3.8E-03	4.8E-03
HHR9	5.6E-02	5.6E-02	6.2E-02	3.1E-03	3.1E-03	3.9E-03
HHR10	1.6E-02	1.6E-02	2.0E-02	4.3E-04	4.3E-04	7.1E-04
HHR11	7.7E-02	7.7E-02	7.9E-02	5.1E-03	5.1E-03	5.5E-03
HHR12	7.8E-02	7.8E-02	8.7E-02	5.8E-03	5.8E-03	6.6E-03
HHR13	8.4E-02	8.4E-02	8.8E-02	6.1E-03	6.1E-03	6.4E-03
HHR14	4.7E-02	4.7E-02	5.1E-02	2.0E-03	2.0E-03	2.5E-03
HHR15	4.7E-03	4.7E-03	5.4E-03	1.4E-04	1.4E-04	1.9E-04
HHR16	5.1E-02	5.1E-02	5.5E-02	2.2E-03	2.2E-03	2.8E-03
HHR17	6.2E-02	6.2E-02	6.5E-02	1.3E-03	1.3E-03	1.6E-03
HHR18	1.5E-01	1.5E-01	1.6E-01	1.1E-02	1.1E-02	1.1E-02
HHR19	1.6E-01	1.6E-01	1.6E-01	1.1E-02	1.1E-02	1.1E-02
HHR20	1.7E-01	1.7E-01	1.7E-01	1.3E-02	1.3E-02	1.3E-02
HHR21	7.7E-02	7.7E-02	8.1E-02	5.5E-03	5.5E-03	5.9E-03
HHR22	8.9E-02	8.9E-02	9.1E-02	5.7E-03	5.7E-03	6.1E-03
HHR23	5.7E-02	5.7E-02	6.1E-02	4.4E-03	4.4E-03	5.1E-03
HHR24	6.3E-02	6.3E-02	6.9E-02	4.8E-03	4.8E-03	5.5E-03
HHR25	3.3E-02	3.3E-02	3.5E-02	1.3E-03	1.3E-03	1.6E-03
HHR26	3.2E-02	3.2E-02	3.4E-02	6.1E-04	6.1E-04	8.0E-04
HHR27	1.8E-02	1.8E-02	2.0E-02	3.5E-04	3.6E-04	4.8E-04
HHR28	8.0E-03	8.0E-03	8.8E-03	2.1E-04	2.1E-04	3.2E-04
HHR29	4.8E-02	4.8E-02	7.6E-02	3.4E-03	3.4E-03	5.6E-03
HHR30	2.6E-02	2.6E-02	3.7E-02	7.1E-04	7.1E-04	1.6E-03
HHR31	5.4E-02	5.4E-02	6.7E-02	5.9E-03	5.9E-03	7.3E-03
HHR32	6.1E-02	6.1E-02	7.9E-02	6.9E-03	6.9E-03	8.4E-03
HHR33	1.5E-01	1.5E-01	1.5E-01	8.1E-03	8.1E-03	9.2E-03
HHR34	4.5E-02	4.5E-02	4.9E-02	2.1E-03	2.1E-03	2.7E-03
HHR35	7.8E-02	7.8E-02	9.6E-02	7.3E-03	7.3E-03	8.7E-03
HHR36	1.6E-01	1.6E-01	1.7E-01	1.1E-02	1.1E-02	1.2E-02
HHR37	3.3E-02	3.3E-02	6.0E-02	9.6E-04	9.6E-04	6.9E-03
HHR38	3.7E-01	3.7E-01	3.7E-01	1.3E-02	1.3E-02	1.4E-02
HHR39	7.2E-02	7.2E-02	7.4E-02	1.4E-03	1.4E-03	1.7E-03
HHR40	5.9E-02	5.9E-02	6.3E-02	1.2E-03	1.2E-03	1.5E-03
HHR41	8.9E-02	8.9E-02	9.2E-02	1.8E-03	1.8E-03	2.2E-03
HHR42	5.6E-02	5.6E-02	6.0E-02	2.4E-03	2.4E-03	2.9E-03
HHR43	6.0E-02	6.0E-02	6.4E-02	3.4E-03	3.4E-03	4.0E-03
HHR44	6.4E-02	6.4E-02	6.8E-02	4.5E-03	4.5E-03	5.1E-03
HHR45	7.3E-03	7.3E-03	8.2E-03	1.8E-04	1.8E-04	2.7E-04
HHR46	1.0E-02	1.0E-02	1.2E-02	3.0E-04	3.0E-04	5.1E-04
HHR47	1.2E-02	1.2E-02	1.3E-02	3.4E-04	3.4E-04	5.4E-04
HHR48	5.4E-02	5.4E-02	5.7E-02	1.1E-03	1.1E-03	1.3E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.0E-02	1.0E-02	1.1E-02	2.8E-04	2.8E-04	4.7E-04
HHR50	1.3E-02	1.3E-02	1.4E-02	3.6E-04	3.6E-04	5.7E-04
HHR51	1.0E-02	1.0E-02	1.1E-02	2.6E-04	2.6E-04	4.1E-04
HHR52	1.8E-02	1.8E-02	2.1E-02	4.8E-04	4.8E-04	7.7E-04
HHR53	1.3E-02	1.3E-02	1.4E-02	3.7E-04	3.7E-04	5.7E-04
HHR54	1.9E-02	1.9E-02	2.3E-02	5.1E-04	5.1E-04	8.3E-04
HHR55	1.4E-02	1.4E-02	1.5E-02	3.7E-04	3.7E-04	5.8E-04
HHR56	2.1E-02	2.1E-02	2.4E-02	5.7E-04	5.7E-04	9.5E-04
HHR57	2.6E-02	2.6E-02	3.0E-02	7.4E-04	7.5E-04	1.2E-03
HHR58	8.2E-03	8.2E-03	9.9E-03	2.4E-04	2.4E-04	3.4E-04
HHR59	8.2E-03	8.2E-03	9.9E-03	2.4E-04	2.4E-04	3.5E-04
HHR60	9.7E-03	9.8E-03	1.1E-02	2.8E-04	2.9E-04	4.1E-04
HHR61	3.0E-02	3.0E-02	3.4E-02	1.1E-03	1.1E-03	1.7E-03
HHR62	3.1E-02	3.1E-02	3.4E-02	1.2E-03	1.2E-03	1.7E-03
HHR63	4.2E-02	4.2E-02	4.6E-02	1.8E-03	1.8E-03	2.3E-03
HHR64	9.6E-02	9.6E-02	9.9E-02	3.3E-03	3.3E-03	3.6E-03
HHR65	5.2E-02	5.2E-02	5.6E-02	2.4E-03	2.4E-03	3.0E-03
HHR66	2.0E-02	2.0E-02	2.1E-02	3.7E-04	3.7E-04	5.0E-04
HHR67	2.5E-02	2.5E-02	2.6E-02	5.5E-04	5.5E-04	8.3E-04
HHR68	2.5E-02	2.5E-02	2.7E-02	1.0E-03	1.0E-03	1.3E-03
HHR69	4.0E-02	4.0E-02	4.2E-02	7.8E-04	7.8E-04	1.0E-03
HHR70	5.8E-02	5.8E-02	6.0E-02	1.1E-03	1.1E-03	1.4E-03
HHR71	2.3E-01	2.3E-01	2.3E-01	1.7E-02	1.7E-02	1.7E-02
HHR72	6.7E-03	6.7E-03	8.1E-03	2.0E-04	2.0E-04	2.8E-04
HHR73	6.2E-02	6.2E-02	6.3E-02	3.1E-03	3.1E-03	3.5E-03
HHR74	1.6E-01	1.6E-01	1.6E-01	1.2E-02	1.2E-02	1.2E-02
HHR75	7.1E-02	7.1E-02	7.7E-02	6.0E-03	6.0E-03	6.7E-03
HHR76	1.2E-01	1.2E-01	1.3E-01	9.9E-03	9.9E-03	1.0E-02
HHR77	7.0E-02	7.0E-02	7.4E-02	5.0E-03	5.0E-03	5.3E-03
HHR78	1.2E-01	1.2E-01	1.2E-01	5.0E-03	5.0E-03	5.3E-03
HHR79	1.4E-01	1.4E-01	1.4E-01	1.0E-02	1.0E-02	1.0E-02
HHR80	9.8E-02	9.8E-02	1.0E-01	4.3E-03	4.3E-03	5.0E-03
HHR81	8.7E-02	8.7E-02	9.0E-02	4.2E-03	4.2E-03	4.6E-03
HHR82	7.4E-02	7.4E-02	7.8E-02	3.3E-03	3.3E-03	3.8E-03
HHR83	8.7E-02	8.7E-02	9.1E-02	3.7E-03	3.7E-03	4.2E-03
MPOI	1.4E+00	1.4E+00	1.4E+00	1.1E-01	1.1E-01	1.8E-01

Table M6.2-25: Inhalation Exposure Hazard Quotient for C_9-C_{16} Aliphatics

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.3E-04	1.3E-04	1.3E-04	5.3E-02	5.3E-02	5.4E-02
HHR2	1.7E-04	1.7E-04	1.7E-04	6.4E-02	6.4E-02	6.6E-02
HHR3	1.1E-05	1.1E-05	1.2E-05	1.3E-03	1.3E-03	1.5E-03
HHR4	7.3E-05	7.3E-05	7.3E-05	3.0E-02	3.0E-02	3.0E-02
HHR5	4.6E-05	4.6E-05	4.7E-05	9.3E-03	9.3E-03	1.1E-02
HHR6	2.4E-05	2.4E-05	2.4E-05	4.5E-03	4.5E-03	4.7E-03
HHR7	4.7E-06	4.7E-06	5.1E-06	5.0E-04	5.0E-04	5.6E-04
HHR8	6.2E-05	6.2E-05	6.3E-05	2.5E-02	2.5E-02	2.6E-02
HHR9	7.5E-05	7.5E-05	7.6E-05	3.2E-02	3.2E-02	3.2E-02
HHR10	2.0E-05	2.0E-05	2.1E-05	3.0E-03	3.0E-03	3.5E-03
HHR11	2.9E-05	2.9E-05	3.0E-05	1.0E-02	1.0E-02	1.1E-02
HHR12	4.7E-05	4.7E-05	4.8E-05	2.3E-02	2.3E-02	2.4E-02
HHR13	3.6E-05	3.6E-05	3.7E-05	1.2E-02	1.2E-02	1.2E-02
HHR14	1.2E-04	1.2E-04	1.2E-04	3.0E-02	3.0E-02	3.1E-02
HHR15	3.7E-06	3.7E-06	3.9E-06	4.3E-04	4.3E-04	4.9E-04
HHR16	1.8E-05	1.8E-05	2.0E-05	6.1E-03	6.1E-03	6.7E-03
HHR17	1.9E-05	1.9E-05	2.0E-05	2.3E-03	2.3E-03	2.6E-03
HHR18	5.2E-05	5.2E-05	5.3E-05	1.8E-02	1.8E-02	1.9E-02
HHR19	5.8E-05	5.8E-05	5.9E-05	1.8E-02	1.8E-02	1.9E-02
HHR20	6.3E-05	6.3E-05	6.4E-05	2.2E-02	2.2E-02	2.2E-02
HHR21	3.3E-05	3.3E-05	3.4E-05	1.1E-02	1.1E-02	1.1E-02
HHR22	3.1E-05	3.1E-05	3.2E-05	1.2E-02	1.2E-02	1.2E-02
HHR23	5.3E-05	5.3E-05	5.4E-05	2.5E-02	2.5E-02	2.5E-02
HHR24	5.1E-05	5.1E-05	5.2E-05	2.4E-02	2.4E-02	2.5E-02
HHR25	3.2E-05	3.2E-05	3.3E-05	6.9E-03	6.9E-03	7.2E-03
HHR26	1.3E-05	1.3E-05	1.4E-05	1.8E-03	1.8E-03	1.9E-03
HHR27	8.9E-06	8.9E-06	9.4E-06	1.1E-03	1.1E-03	1.2E-03
HHR28	1.1E-05	1.1E-05	1.1E-05	1.2E-03	1.2E-03	1.3E-03
HHR29	5.1E-05	5.1E-05	5.1E-05	1.9E-02	1.9E-02	2.2E-02
HHR30	3.6E-05	3.6E-05	4.1E-05	6.9E-03	6.9E-03	8.3E-03
HHR31	1.2E-04	1.2E-04	1.2E-04	3.7E-02	3.7E-02	3.8E-02
HHR32	8.3E-05	8.3E-05	8.4E-05	2.5E-02	2.5E-02	2.7E-02
HHR33	6.9E-05	6.9E-05	7.0E-05	2.4E-02	2.4E-02	2.5E-02
HHR34	1.6E-05	1.6E-05	1.9E-05	6.0E-03	6.0E-03	6.6E-03
HHR35	6.5E-05	6.5E-05	6.6E-05	2.2E-02	2.2E-02	2.3E-02
HHR36	5.6E-05	5.6E-05	5.7E-05	2.5E-02	2.5E-02	2.6E-02
HHR37	4.9E-05	4.9E-05	5.6E-05	1.0E-02	1.0E-02	2.0E-02
HHR38	7.7E-05	7.7E-05	7.9E-05	2.0E-02	2.0E-02	2.2E-02
HHR39	2.2E-05	2.2E-05	2.3E-05	2.4E-03	2.4E-03	2.7E-03
HHR40	1.9E-05	1.9E-05	2.0E-05	2.2E-03	2.2E-03	2.5E-03
HHR41	2.6E-05	2.6E-05	2.6E-05	2.9E-03	2.9E-03	3.3E-03
HHR42	2.0E-05	2.0E-05	2.2E-05	6.5E-03	6.5E-03	7.1E-03
HHR43	7.2E-05	7.2E-05	7.3E-05	2.8E-02	2.8E-02	2.9E-02
HHR44	5.6E-05	5.6E-05	5.7E-05	2.4E-02	2.4E-02	2.5E-02
HHR45	8.5E-06	8.5E-06	8.6E-06	9.5E-04	9.5E-04	1.1E-03
HHR46	1.2E-05	1.2E-05	1.2E-05	1.9E-03	1.9E-03	2.1E-03
HHR47	1.4E-05	1.4E-05	1.4E-05	2.3E-03	2.3E-03	2.5E-03
HHR48	1.8E-05	1.8E-05	1.9E-05	2.0E-03	2.0E-03	2.3E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.1E-05	1.1E-05	1.1E-05	1.7E-03	1.7E-03	1.9E-03
HHR50	1.5E-05	1.5E-05	1.5E-05	2.4E-03	2.4E-03	2.7E-03
HHR51	9.4E-06	9.4E-06	9.8E-06	1.5E-03	1.5E-03	1.7E-03
HHR52	1.9E-05	1.9E-05	2.1E-05	3.4E-03	3.4E-03	3.9E-03
HHR53	1.4E-05	1.4E-05	1.4E-05	2.4E-03	2.4E-03	2.7E-03
HHR54	2.0E-05	2.0E-05	2.2E-05	3.7E-03	3.7E-03	4.2E-03
HHR55	1.5E-05	1.5E-05	1.6E-05	2.5E-03	2.5E-03	2.8E-03
HHR56	2.5E-05	2.5E-05	2.5E-05	4.3E-03	4.3E-03	4.9E-03
HHR57	3.1E-05	3.1E-05	3.2E-05	6.1E-03	6.1E-03	6.9E-03
HHR58	7.3E-06	7.3E-06	7.4E-06	1.0E-03	1.0E-03	1.1E-03
HHR59	6.9E-06	6.9E-06	7.0E-06	1.0E-03	1.0E-03	1.1E-03
HHR60	7.3E-06	7.3E-06	8.0E-06	1.2E-03	1.2E-03	1.4E-03
HHR61	4.5E-05	4.5E-05	4.6E-05	9.6E-03	9.6E-03	1.0E-02
HHR62	5.6E-05	5.6E-05	5.7E-05	1.2E-02	1.2E-02	1.3E-02
HHR63	9.5E-05	9.5E-05	9.6E-05	2.3E-02	2.3E-02	2.4E-02
HHR64	3.0E-05	3.0E-05	3.0E-05	4.8E-03	4.8E-03	5.1E-03
HHR65	1.4E-04	1.4E-04	1.4E-04	3.8E-02	3.8E-02	3.8E-02
HHR66	9.4E-06	9.4E-06	9.9E-06	1.1E-03	1.1E-03	1.3E-03
HHR67	1.3E-05	1.3E-05	1.4E-05	1.7E-03	1.7E-03	1.9E-03
HHR68	2.6E-05	2.6E-05	2.7E-05	4.1E-03	4.1E-03	4.3E-03
HHR69	1.5E-05	1.5E-05	1.5E-05	1.7E-03	1.7E-03	1.9E-03
HHR70	1.8E-05	1.8E-05	1.9E-05	2.1E-03	2.1E-03	2.3E-03
HHR71	6.3E-05	6.3E-05	6.4E-05	2.3E-02	2.3E-02	2.4E-02
HHR72	4.7E-06	4.7E-06	5.0E-06	5.9E-04	5.9E-04	6.7E-04
HHR73	3.5E-05	3.5E-05	3.6E-05	9.2E-03	9.3E-03	9.7E-03
HHR74	5.4E-05	5.4E-05	5.5E-05	2.0E-02	2.0E-02	2.0E-02
HHR75	4.0E-05	4.0E-05	4.1E-05	2.0E-02	2.0E-02	2.1E-02
HHR76	4.6E-05	4.6E-05	4.7E-05	2.0E-02	2.0E-02	2.0E-02
HHR77	3.3E-05	3.3E-05	3.4E-05	1.0E-02	1.0E-02	1.1E-02
HHR78	3.5E-05	3.5E-05	3.5E-05	7.8E-03	7.8E-03	8.1E-03
HHR79	5.2E-05	5.2E-05	5.2E-05	1.7E-02	1.7E-02	1.7E-02
HHR80	3.1E-05	3.1E-05	3.2E-05	1.0E-02	1.0E-02	1.1E-02
HHR81	2.8E-05	2.8E-05	2.9E-05	9.1E-03	9.1E-03	9.6E-03
HHR82	2.4E-05	2.4E-05	2.5E-05	8.9E-03	8.9E-03	9.4E-03
HHR83	2.8E-05	2.8E-05	2.9E-05	8.7E-03	8.7E-03	9.2E-03
MPOI	3.2E-03	3.2E-03	3.2E-03	1.5E+00	1.5E+00	1.5E+00

Table M6.2-26: Inhalation Exposure Hazard Quotient for C_9-C_{16} Aromatics

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	5.7E-03	5.7E-03	5.8E-03	5.4E-03	5.4E-03	5.6E-03
HHR2	1.4E-02	1.4E-02	1.4E-02	9.5E-03	9.5E-03	9.7E-03
HHR3	5.3E-04	5.3E-04	5.6E-04	1.3E-04	1.3E-04	1.5E-04
HHR4	3.5E-03	3.5E-03	3.6E-03	3.2E-03	3.2E-03	3.3E-03
HHR5	3.0E-03	3.0E-03	3.1E-03	1.7E-03	1.7E-03	2.0E-03
HHR6	1.0E-03	1.0E-03	1.1E-03	3.9E-04	3.9E-04	4.3E-04
HHR7	2.5E-04	2.5E-04	2.8E-04	7.9E-05	7.9E-05	9.1E-05
HHR8	3.4E-03	3.4E-03	3.5E-03	2.8E-03	2.8E-03	2.9E-03
HHR9	3.7E-03	3.7E-03	3.8E-03	3.3E-03	3.3E-03	3.4E-03
HHR10	1.1E-03	1.1E-03	1.2E-03	5.5E-04	5.5E-04	6.5E-04
HHR11	1.4E-03	1.4E-03	1.4E-03	9.4E-04	9.4E-04	9.9E-04
HHR12	2.7E-03	2.7E-03	2.8E-03	2.8E-03	2.8E-03	2.9E-03
HHR13	2.0E-03	2.0E-03	2.0E-03	1.2E-03	1.2E-03	1.3E-03
HHR14	7.8E-03	7.8E-03	7.9E-03	3.6E-03	3.6E-03	3.8E-03
HHR15	1.8E-04	1.8E-04	1.9E-04	4.3E-05	4.3E-05	5.1E-05
HHR16	7.9E-04	7.9E-04	8.6E-04	5.8E-04	5.8E-04	6.2E-04
HHR17	7.0E-04	7.0E-04	7.8E-04	2.0E-04	2.0E-04	2.4E-04
HHR18	2.1E-03	2.1E-03	2.2E-03	1.5E-03	1.5E-03	1.6E-03
HHR19	2.5E-03	2.5E-03	2.5E-03	1.5E-03	1.5E-03	1.6E-03
HHR20	2.6E-03	2.6E-03	2.7E-03	1.8E-03	1.8E-03	1.8E-03
HHR21	1.7E-03	1.7E-03	1.7E-03	1.1E-03	1.1E-03	1.1E-03
HHR22	1.5E-03	1.5E-03	1.6E-03	1.0E-03	1.0E-03	1.1E-03
HHR23	2.6E-03	2.6E-03	2.7E-03	2.9E-03	2.9E-03	3.0E-03
HHR24	2.6E-03	2.6E-03	2.7E-03	2.9E-03	2.9E-03	3.1E-03
HHR25	1.3E-03	1.3E-03	1.4E-03	5.7E-04	5.7E-04	6.2E-04
HHR26	6.6E-04	6.6E-04	7.1E-04	1.6E-04	1.6E-04	1.9E-04
HHR27	4.6E-04	4.6E-04	5.1E-04	1.0E-04	1.0E-04	1.2E-04
HHR28	4.3E-04	4.3E-04	5.1E-04	1.5E-04	1.5E-04	1.8E-04
HHR29	3.8E-03	3.8E-03	3.8E-03	3.4E-03	3.4E-03	3.6E-03
HHR30	1.9E-03	1.9E-03	2.2E-03	7.3E-04	7.3E-04	9.7E-04
HHR31	1.3E-02	1.3E-02	1.3E-02	1.1E-02	1.1E-02	1.1E-02
HHR32	6.1E-03	6.1E-03	6.2E-03	5.2E-03	5.2E-03	5.3E-03
HHR33	6.8E-03	6.8E-03	6.8E-03	4.5E-03	4.5E-03	4.6E-03
HHR34	8.0E-04	8.0E-04	8.6E-04	5.7E-04	5.7E-04	6.2E-04
HHR35	4.7E-03	4.7E-03	4.8E-03	4.0E-03	4.0E-03	4.1E-03
HHR36	3.7E-03	3.7E-03	3.8E-03	3.3E-03	3.3E-03	3.4E-03
HHR37	2.8E-03	2.8E-03	3.1E-03	1.2E-03	1.2E-03	2.3E-03
HHR38	2.8E-03	2.8E-03	2.8E-03	2.0E-03	2.0E-03	2.1E-03
HHR39	8.5E-04	8.5E-04	9.0E-04	2.1E-04	2.1E-04	2.5E-04
HHR40	7.2E-04	7.2E-04	8.0E-04	1.9E-04	1.9E-04	2.3E-04
HHR41	9.0E-04	9.0E-04	9.5E-04	2.4E-04	2.4E-04	3.0E-04
HHR42	8.7E-04	8.7E-04	9.3E-04	6.1E-04	6.1E-04	6.6E-04
HHR43	3.5E-03	3.5E-03	3.6E-03	2.9E-03	2.9E-03	3.0E-03
HHR44	2.7E-03	2.7E-03	2.8E-03	2.7E-03	2.7E-03	2.8E-03
HHR45	3.4E-04	3.4E-04	4.1E-04	1.2E-04	1.2E-04	1.4E-04
HHR46	6.2E-04	6.2E-04	6.9E-04	2.3E-04	2.3E-04	2.9E-04
HHR47	7.5E-04	7.5E-04	7.8E-04	3.0E-04	3.0E-04	3.6E-04
HHR48	7.0E-04	7.0E-04	7.7E-04	1.8E-04	1.8E-04	2.2E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	5.3E-04	5.3E-04	6.2E-04	2.0E-04	2.0E-04	2.5E-04
HHR50	8.0E-04	8.0E-04	8.2E-04	3.3E-04	3.3E-04	3.9E-04
HHR51	4.5E-04	4.5E-04	5.3E-04	1.7E-04	1.7E-04	2.1E-04
HHR52	1.4E-03	1.4E-03	1.6E-03	1.0E-03	1.0E-03	1.2E-03
HHR53	7.1E-04	7.1E-04	8.3E-04	2.9E-04	2.9E-04	3.7E-04
HHR54	1.4E-03	1.4E-03	1.6E-03	1.1E-03	1.1E-03	1.2E-03
HHR55	8.7E-04	8.7E-04	9.0E-04	4.0E-04	4.0E-04	4.7E-04
HHR56	1.4E-03	1.4E-03	1.4E-03	6.3E-04	6.3E-04	7.4E-04
HHR57	1.8E-03	1.8E-03	1.9E-03	9.0E-04	9.0E-04	1.1E-03
HHR58	3.4E-04	3.4E-04	4.0E-04	1.1E-04	1.1E-04	1.3E-04
HHR59	3.2E-04	3.2E-04	4.0E-04	1.1E-04	1.1E-04	1.2E-04
HHR60	3.8E-04	3.9E-04	4.9E-04	1.3E-04	1.3E-04	1.5E-04
HHR61	2.6E-03	2.6E-03	2.7E-03	1.2E-03	1.2E-03	1.3E-03
HHR62	3.5E-03	3.5E-03	3.5E-03	1.5E-03	1.5E-03	1.6E-03
HHR63	6.0E-03	6.0E-03	6.1E-03	2.6E-03	2.6E-03	2.8E-03
HHR64	1.4E-03	1.4E-03	1.4E-03	4.0E-04	4.0E-04	4.4E-04
HHR65	6.1E-03	6.1E-03	6.2E-03	3.8E-03	3.8E-03	3.9E-03
HHR66	4.8E-04	4.8E-04	5.3E-04	1.1E-04	1.1E-04	1.3E-04
HHR67	6.7E-04	6.7E-04	7.4E-04	1.6E-04	1.6E-04	1.9E-04
HHR68	1.1E-03	1.1E-03	1.2E-03	3.7E-04	3.7E-04	4.0E-04
HHR69	5.9E-04	5.9E-04	6.7E-04	1.5E-04	1.5E-04	1.8E-04
HHR70	7.5E-04	7.5E-04	8.0E-04	1.8E-04	1.8E-04	2.2E-04
HHR71	3.4E-03	3.4E-03	3.4E-03	1.9E-03	1.9E-03	2.0E-03
HHR72	2.3E-04	2.3E-04	2.6E-04	5.8E-05	5.8E-05	6.9E-05
HHR73	1.8E-03	1.8E-03	1.8E-03	8.7E-04	8.7E-04	9.3E-04
HHR74	2.2E-03	2.2E-03	2.2E-03	1.6E-03	1.6E-03	1.7E-03
HHR75	2.4E-03	2.4E-03	2.5E-03	2.2E-03	2.2E-03	2.3E-03
HHR76	2.1E-03	2.1E-03	2.1E-03	1.9E-03	1.9E-03	1.9E-03
HHR77	1.8E-03	1.8E-03	1.8E-03	1.0E-03	1.0E-03	1.1E-03
HHR78	1.5E-03	1.5E-03	1.6E-03	6.7E-04	6.7E-04	7.1E-04
HHR79	2.2E-03	2.2E-03	2.2E-03	1.4E-03	1.4E-03	1.4E-03
HHR80	1.7E-03	1.7E-03	1.8E-03	1.0E-03	1.0E-03	1.1E-03
HHR81	1.1E-03	1.1E-03	1.2E-03	8.3E-04	8.3E-04	8.8E-04
HHR82	9.9E-04	9.9E-04	1.0E-03	8.1E-04	8.1E-04	8.6E-04
HHR83	1.1E-03	1.1E-03	1.2E-03	7.9E-04	7.9E-04	8.4E-04
MPOI	1.2E-01	1.2E-01	1.2E-01	9.4E-02	9.4E-02	9.4E-02

Table M6.2-27: Inhalation Exposure Hazard Quotient for C_{17}-C_{34} Aromatics

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	8.9E-11	9.0E-11	9.0E-11	1.8E-11	2.0E-11	2.4E-11
HHR2	5.1E-11	5.2E-11	5.3E-11	1.7E-11	1.9E-11	2.2E-11
HHR3	1.3E-10	1.3E-10	1.3E-10	2.3E-11	2.6E-11	3.3E-11
HHR4	5.2E-11	5.5E-11	5.6E-11	1.9E-11	2.1E-11	2.6E-11
HHR5	6.1E-11	6.2E-11	6.3E-11	1.9E-11	2.1E-11	2.5E-11
HHR6	3.2E-11	3.3E-11	4.8E-11	1.9E-11	2.2E-11	2.8E-11
HHR7	1.6E-11	2.0E-11	2.5E-11	6.9E-12	8.0E-12	1.2E-11
HHR8	4.3E-11	4.6E-11	4.8E-11	1.5E-11	1.7E-11	2.3E-11
HHR9	4.9E-11	5.0E-11	5.2E-11	1.5E-11	1.7E-11	2.2E-11
HHR10	1.1E-10	1.1E-10	1.2E-10	7.8E-11	8.0E-11	9.3E-11
HHR11	2.9E-11	3.0E-11	3.3E-11	2.1E-11	2.4E-11	2.8E-11
HHR12	7.1E-11	7.7E-11	7.8E-11	2.1E-11	2.3E-11	2.9E-11
HHR13	3.0E-11	3.0E-11	3.3E-11	2.2E-11	2.5E-11	2.9E-11
HHR14	7.2E-11	7.2E-11	7.3E-11	2.0E-11	2.2E-11	2.6E-11
HHR15	2.7E-11	3.3E-11	3.6E-11	9.0E-12	1.3E-11	1.8E-11
HHR16	2.5E-11	3.0E-11	3.2E-11	1.5E-11	1.6E-11	2.0E-11
HHR17	3.3E-11	3.3E-11	3.4E-11	1.5E-11	1.6E-11	2.0E-11
HHR18	4.0E-11	4.0E-11	4.0E-11	1.7E-11	1.9E-11	2.3E-11
HHR19	3.5E-11	3.5E-11	3.6E-11	1.7E-11	1.9E-11	2.4E-11
HHR20	3.7E-11	3.9E-11	4.0E-11	1.8E-11	2.0E-11	2.4E-11
HHR21	3.0E-11	3.0E-11	3.3E-11	2.2E-11	2.4E-11	2.9E-11
HHR22	4.2E-11	4.2E-11	4.4E-11	2.0E-11	2.4E-11	2.9E-11
HHR23	1.3E-10	1.3E-10	1.4E-10	2.3E-11	2.5E-11	3.1E-11
HHR24	1.0E-10	1.1E-10	1.1E-10	2.2E-11	2.4E-11	2.9E-11
HHR25	2.7E-11	3.3E-11	3.6E-11	1.6E-11	2.1E-11	2.5E-11
HHR26	4.5E-11	4.6E-11	4.6E-11	1.7E-11	2.4E-11	3.2E-11
HHR27	3.5E-11	4.5E-11	4.6E-11	1.6E-11	2.2E-11	3.1E-11
HHR28	2.9E-11	3.5E-11	7.4E-11	1.1E-11	1.4E-11	2.1E-11
HHR29	5.5E-11	5.7E-11	6.1E-11	1.6E-11	1.7E-11	2.6E-11
HHR30	4.1E-11	4.4E-11	5.3E-11	1.5E-11	1.7E-11	2.1E-11
HHR31	8.8E-11	8.8E-11	9.3E-11	2.1E-11	2.2E-11	3.0E-11
HHR32	5.5E-11	5.6E-11	6.2E-11	2.1E-11	2.2E-11	3.1E-11
HHR33	3.5E-11	3.7E-11	3.9E-11	1.5E-11	1.7E-11	2.4E-11
HHR34	2.4E-11	2.9E-11	3.2E-11	1.4E-11	1.6E-11	2.1E-11
HHR35	6.3E-11	6.3E-11	6.6E-11	2.1E-11	2.3E-11	3.1E-11
HHR36	4.5E-11	4.7E-11	4.9E-11	1.7E-11	1.9E-11	2.6E-11
HHR37	5.0E-11	5.1E-11	5.2E-11	1.6E-11	1.8E-11	2.1E-11
HHR38	7.7E-11	7.9E-11	8.1E-11	2.2E-11	2.3E-11	3.2E-11
HHR39	3.7E-11	3.9E-11	4.1E-11	1.6E-11	1.8E-11	2.2E-11
HHR40	3.2E-11	3.3E-11	3.5E-11	1.5E-11	1.6E-11	2.0E-11
HHR41	4.0E-11	4.3E-11	4.5E-11	1.7E-11	1.8E-11	2.2E-11
HHR42	2.7E-11	3.1E-11	3.4E-11	1.5E-11	1.7E-11	2.2E-11
HHR43	5.1E-11	5.3E-11	5.5E-11	2.0E-11	2.2E-11	2.7E-11
HHR44	4.8E-11	4.9E-11	5.2E-11	2.0E-11	2.3E-11	2.8E-11
HHR45	2.3E-11	2.7E-11	5.4E-11	8.8E-12	1.1E-11	1.7E-11
HHR46	6.0E-11	6.0E-11	1.1E-10	1.9E-11	2.3E-11	3.3E-11
HHR47	6.7E-11	7.0E-11	8.1E-11	2.4E-11	2.7E-11	3.4E-11
HHR48	3.2E-11	3.3E-11	3.5E-11	1.4E-11	1.6E-11	1.9E-11

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	5.8E-11	5.9E-11	1.3E-10	1.8E-11	2.2E-11	3.1E-11
HHR50	9.6E-11	1.1E-10	1.1E-10	2.5E-11	2.8E-11	3.4E-11
HHR51	5.6E-11	5.6E-11	1.0E-10	1.7E-11	2.2E-11	2.9E-11
HHR52	7.5E-11	7.9E-11	8.0E-11	2.6E-11	2.8E-11	3.4E-11
HHR53	1.4E-10	1.4E-10	1.4E-10	3.0E-11	3.4E-11	4.1E-11
HHR54	9.0E-11	9.3E-11	9.4E-11	2.1E-11	2.3E-11	2.7E-11
HHR55	8.2E-11	9.2E-11	9.3E-11	2.6E-11	2.9E-11	3.4E-11
HHR56	7.6E-11	7.8E-11	8.1E-11	2.0E-11	2.3E-11	2.7E-11
HHR57	5.5E-11	5.5E-11	6.1E-11	1.7E-11	1.9E-11	2.3E-11
HHR58	4.6E-11	4.6E-11	4.6E-11	1.5E-11	2.2E-11	2.6E-11
HHR59	4.2E-11	4.2E-11	4.2E-11	1.5E-11	2.1E-11	2.6E-11
HHR60	4.8E-11	4.8E-11	4.8E-11	1.5E-11	2.5E-11	2.9E-11
HHR61	2.7E-10	2.7E-10	2.7E-10	3.2E-11	3.5E-11	3.9E-11
HHR62	9.5E-11	9.5E-11	9.6E-11	2.2E-11	2.5E-11	2.9E-11
HHR63	5.8E-11	5.8E-11	5.9E-11	1.9E-11	2.2E-11	2.6E-11
HHR64	4.4E-11	4.4E-11	4.5E-11	1.8E-11	2.0E-11	2.4E-11
HHR65	6.4E-11	6.4E-11	6.4E-11	2.0E-11	2.3E-11	2.7E-11
HHR66	3.8E-11	4.6E-11	4.6E-11	1.6E-11	2.2E-11	3.2E-11
HHR67	4.4E-11	4.5E-11	6.6E-11	1.7E-11	2.4E-11	3.5E-11
HHR68	3.6E-11	3.6E-11	3.7E-11	1.6E-11	2.2E-11	2.6E-11
HHR69	3.3E-11	3.3E-11	3.4E-11	1.3E-11	1.4E-11	1.8E-11
HHR70	3.4E-11	3.6E-11	3.9E-11	1.4E-11	1.6E-11	2.0E-11
HHR71	7.4E-11	7.4E-11	7.4E-11	2.0E-11	2.2E-11	2.6E-11
HHR72	2.4E-11	2.9E-11	3.0E-11	1.1E-11	1.4E-11	1.9E-11
HHR73	4.1E-11	4.1E-11	4.3E-11	1.9E-11	2.3E-11	2.7E-11
HHR74	4.0E-11	4.1E-11	4.2E-11	1.7E-11	1.9E-11	2.4E-11
HHR75	8.0E-11	8.1E-11	8.3E-11	2.4E-11	2.6E-11	3.2E-11
HHR76	1.1E-10	1.1E-10	1.1E-10	2.7E-11	3.0E-11	3.5E-11
HHR77	2.8E-11	2.9E-11	3.1E-11	2.1E-11	2.3E-11	2.8E-11
HHR78	3.7E-11	3.7E-11	3.8E-11	1.8E-11	2.0E-11	2.5E-11
HHR79	3.2E-11	3.3E-11	3.4E-11	1.8E-11	2.0E-11	2.5E-11
HHR80	3.2E-11	3.3E-11	3.4E-11	1.7E-11	1.9E-11	2.5E-11
HHR81	2.8E-11	3.1E-11	3.3E-11	1.8E-11	2.0E-11	2.5E-11
HHR82	2.9E-11	3.4E-11	3.9E-11	1.8E-11	2.0E-11	2.4E-11
HHR83	2.8E-11	3.2E-11	3.5E-11	1.7E-11	1.9E-11	2.4E-11
MPOI	5.0E-10	1.1E-09	1.1E-09	1.4E-10	5.6E-10	5.6E-10

Table M6.2-28: Inhalation Exposure Hazard Quotient for Carbon Disulfide (CS_2)

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.4E-03	1.4E-03	1.5E-03	5.8E-03	5.8E-03	6.7E-03
HHR2	2.1E-03	2.1E-03	2.2E-03	1.1E-02	1.1E-02	1.3E-02
HHR3	4.5E-04	4.5E-04	4.7E-04	6.5E-04	6.5E-04	8.0E-04
HHR4	1.6E-03	1.6E-03	1.7E-03	6.4E-03	6.4E-03	7.2E-03
HHR5	9.0E-04	9.1E-04	1.1E-03	2.1E-03	2.1E-03	5.0E-03
HHR6	2.3E-03	2.3E-03	2.3E-03	3.2E-03	3.2E-03	3.5E-03
HHR7	1.3E-04	1.3E-04	1.5E-04	1.5E-04	1.5E-04	2.2E-04
HHR8	1.3E-03	1.3E-03	1.5E-03	5.2E-03	5.2E-03	6.3E-03
HHR9	1.4E-03	1.4E-03	1.5E-03	5.1E-03	5.1E-03	6.0E-03
HHR10	4.5E-04	4.5E-04	5.9E-04	8.0E-04	8.0E-04	1.4E-03
HHR11	2.3E-03	2.3E-03	2.4E-03	8.7E-03	8.7E-03	9.0E-03
HHR12	1.5E-03	1.5E-03	1.6E-03	7.3E-03	7.3E-03	8.2E-03
HHR13	2.7E-03	2.7E-03	2.7E-03	1.0E-02	1.0E-02	1.1E-02
HHR14	1.2E-03	1.2E-03	1.3E-03	4.5E-03	4.5E-03	5.5E-03
HHR15	1.3E-04	1.3E-04	1.4E-04	1.8E-04	1.8E-04	2.5E-04
HHR16	1.5E-03	1.5E-03	1.6E-03	3.2E-03	3.2E-03	3.8E-03
HHR17	1.3E-03	1.3E-03	1.4E-03	1.5E-03	1.5E-03	1.7E-03
HHR18	5.2E-03	5.2E-03	5.3E-03	2.1E-02	2.1E-02	2.1E-02
HHR19	5.3E-03	5.3E-03	5.3E-03	2.1E-02	2.1E-02	2.1E-02
HHR20	5.9E-03	5.9E-03	5.9E-03	2.5E-02	2.5E-02	2.6E-02
HHR21	2.4E-03	2.4E-03	2.5E-03	9.4E-03	9.4E-03	9.8E-03
HHR22	1.8E-03	1.8E-03	1.8E-03	6.3E-03	6.3E-03	6.8E-03
HHR23	1.6E-03	1.6E-03	1.6E-03	6.7E-03	6.7E-03	7.6E-03
HHR24	1.5E-03	1.5E-03	1.6E-03	6.7E-03	6.7E-03	7.5E-03
HHR25	9.8E-04	9.8E-04	9.8E-04	2.4E-03	2.4E-03	2.8E-03
HHR26	9.1E-04	9.1E-04	9.3E-04	8.5E-04	8.6E-04	1.0E-03
HHR27	4.4E-04	4.4E-04	4.6E-04	4.7E-04	4.7E-04	6.0E-04
HHR28	2.6E-04	2.6E-04	2.9E-04	3.4E-04	3.5E-04	5.0E-04
HHR29	1.0E-03	1.0E-03	1.7E-03	5.2E-03	5.2E-03	8.6E-03
HHR30	7.9E-04	7.9E-04	1.3E-03	1.5E-03	1.5E-03	3.7E-03
HHR31	1.6E-03	1.6E-03	1.8E-03	9.9E-03	9.9E-03	1.2E-02
HHR32	1.7E-03	1.7E-03	2.0E-03	1.1E-02	1.1E-02	1.3E-02
HHR33	2.2E-03	2.2E-03	2.4E-03	8.9E-03	8.9E-03	1.0E-02
HHR34	1.3E-03	1.3E-03	1.4E-03	2.9E-03	2.9E-03	3.5E-03
HHR35	1.6E-03	1.6E-03	2.0E-03	1.1E-02	1.1E-02	1.3E-02
HHR36	2.3E-03	2.3E-03	2.4E-03	9.8E-03	9.8E-03	1.1E-02
HHR37	1.0E-03	1.0E-03	2.4E-03	2.2E-03	2.2E-03	1.6E-02
HHR38	3.9E-03	3.9E-03	4.2E-03	9.1E-03	9.1E-03	1.2E-02
HHR39	1.5E-03	1.5E-03	1.5E-03	1.6E-03	1.6E-03	1.8E-03
HHR40	1.3E-03	1.3E-03	1.3E-03	1.4E-03	1.4E-03	1.6E-03
HHR41	1.8E-03	1.8E-03	1.9E-03	2.0E-03	2.0E-03	2.3E-03
HHR42	1.7E-03	1.7E-03	1.8E-03	3.6E-03	3.6E-03	4.1E-03
HHR43	1.6E-03	1.6E-03	1.7E-03	6.3E-03	6.3E-03	7.1E-03
HHR44	1.8E-03	1.8E-03	1.9E-03	8.1E-03	8.1E-03	8.9E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR45	2.3E-04	2.3E-04	2.5E-04	2.9E-04	2.9E-04	4.2E-04
HHR46	3.2E-04	3.2E-04	3.5E-04	5.3E-04	5.4E-04	7.8E-04
HHR47	3.4E-04	3.4E-04	4.0E-04	6.2E-04	6.2E-04	9.4E-04
HHR48	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.2E-03	1.5E-03
HHR49	3.2E-04	3.2E-04	3.4E-04	5.0E-04	5.0E-04	7.2E-04
HHR50	3.5E-04	3.6E-04	4.3E-04	6.6E-04	6.6E-04	1.0E-03
HHR51	3.2E-04	3.2E-04	3.3E-04	4.5E-04	4.5E-04	6.4E-04
HHR52	4.9E-04	4.9E-04	6.1E-04	8.8E-04	8.8E-04	1.4E-03
HHR53	3.6E-04	3.6E-04	4.0E-04	6.8E-04	6.8E-04	1.0E-03
HHR54	5.2E-04	5.2E-04	6.5E-04	9.5E-04	9.5E-04	1.6E-03
HHR55	3.7E-04	3.7E-04	4.6E-04	6.9E-04	6.9E-04	1.1E-03
HHR56	5.9E-04	5.9E-04	6.7E-04	1.2E-03	1.2E-03	2.0E-03
HHR57	7.3E-04	7.3E-04	8.0E-04	1.6E-03	1.6E-03	2.6E-03
HHR58	2.2E-04	2.2E-04	2.4E-04	3.7E-04	3.7E-04	5.0E-04
HHR59	2.3E-04	2.3E-04	2.4E-04	3.7E-04	3.7E-04	5.0E-04
HHR60	2.6E-04	2.6E-04	2.7E-04	4.5E-04	4.5E-04	6.0E-04
HHR61	8.3E-04	8.4E-04	9.1E-04	2.5E-03	2.5E-03	3.9E-03
HHR62	8.3E-04	8.3E-04	8.9E-04	3.7E-03	3.7E-03	5.0E-03
HHR63	1.1E-03	1.1E-03	1.1E-03	3.9E-03	3.9E-03	5.0E-03
HHR64	2.6E-03	2.6E-03	2.6E-03	3.7E-03	3.7E-03	4.0E-03
HHR65	1.3E-03	1.3E-03	1.4E-03	5.1E-03	5.1E-03	5.9E-03
HHR66	5.0E-04	5.0E-04	5.1E-04	5.0E-04	5.0E-04	6.3E-04
HHR67	7.3E-04	7.3E-04	7.4E-04	7.9E-04	7.9E-04	9.6E-04
HHR68	9.1E-04	9.1E-04	9.3E-04	1.7E-03	1.7E-03	2.0E-03
HHR69	9.0E-04	9.0E-04	9.5E-04	9.5E-04	9.5E-04	1.2E-03
HHR70	1.2E-03	1.2E-03	1.2E-03	1.3E-03	1.3E-03	1.5E-03
HHR71	5.8E-03	5.8E-03	5.8E-03	2.5E-02	2.5E-02	2.6E-02
HHR72	1.8E-04	1.8E-04	2.0E-04	2.6E-04	2.6E-04	3.5E-04
HHR73	1.3E-03	1.3E-03	1.4E-03	4.1E-03	4.1E-03	4.6E-03
HHR74	5.4E-03	5.4E-03	5.5E-03	2.3E-02	2.3E-02	2.4E-02
HHR75	1.4E-03	1.4E-03	1.5E-03	7.5E-03	7.5E-03	8.3E-03
HHR76	4.0E-03	4.0E-03	4.1E-03	2.0E-02	2.0E-02	2.1E-02
HHR77	2.2E-03	2.2E-03	2.2E-03	8.3E-03	8.3E-03	8.7E-03
HHR78	3.1E-03	3.1E-03	3.1E-03	7.4E-03	7.4E-03	7.7E-03
HHR79	4.9E-03	4.9E-03	4.9E-03	1.9E-02	1.9E-02	1.9E-02
HHR80	1.2E-03	1.2E-03	1.3E-03	4.3E-03	4.3E-03	5.1E-03
HHR81	2.7E-03	2.7E-03	2.7E-03	7.1E-03	7.1E-03	7.5E-03
HHR82	2.2E-03	2.2E-03	2.2E-03	5.4E-03	5.4E-03	5.8E-03
HHR83	2.6E-03	2.6E-03	2.7E-03	6.3E-03	6.3E-03	6.7E-03
MPOI	1.4E-02	1.4E-02	1.4E-02	6.1E-02	6.1E-02	9.5E-02

Table M6.2-29: Inhalation Exposure Hazard Quotient for Ethylbenzene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	7.9E-03	7.9E-03	7.9E-03	5.8E-04	5.8E-04	5.8E-04
HHR2	1.9E-02	1.9E-02	1.9E-02	1.1E-03	1.1E-03	1.1E-03
HHR3	3.5E-04	3.5E-04	3.5E-04	1.4E-05	1.4E-05	1.5E-05
HHR4	5.2E-03	5.2E-03	5.2E-03	3.3E-04	3.3E-04	3.3E-04
HHR5	1.3E-02	1.3E-02	1.3E-02	5.6E-04	5.6E-04	5.7E-04
HHR6	5.8E-04	5.8E-04	5.8E-04	2.9E-05	3.0E-05	3.1E-05
HHR7	2.0E-04	2.0E-04	2.1E-04	7.0E-06	7.0E-06	7.3E-06
HHR8	3.3E-03	3.3E-03	3.4E-03	2.5E-04	2.5E-04	2.6E-04
HHR9	4.1E-03	4.1E-03	4.1E-03	3.2E-04	3.2E-04	3.2E-04
HHR10	1.3E-03	1.3E-03	1.3E-03	6.1E-05	6.1E-05	6.4E-05
HHR11	7.9E-04	7.9E-04	8.0E-04	5.5E-05	5.5E-05	5.7E-05
HHR12	3.2E-03	3.2E-03	3.2E-03	2.1E-04	2.1E-04	2.1E-04
HHR13	9.1E-04	9.1E-04	9.1E-04	6.5E-05	6.5E-05	6.7E-05
HHR14	1.2E-02	1.2E-02	1.2E-02	6.4E-04	6.4E-04	6.5E-04
HHR15	1.9E-04	1.9E-04	1.9E-04	5.6E-06	5.6E-06	6.0E-06
HHR16	5.4E-04	5.4E-04	5.5E-04	4.0E-05	4.0E-05	4.2E-05
HHR17	2.4E-04	2.4E-04	2.4E-04	1.5E-05	1.5E-05	1.7E-05
HHR18	5.0E-04	5.0E-04	5.1E-04	5.5E-05	5.5E-05	5.8E-05
HHR19	5.1E-04	5.1E-04	5.1E-04	5.2E-05	5.2E-05	5.4E-05
HHR20	5.2E-04	5.2E-04	5.2E-04	5.9E-05	5.9E-05	6.1E-05
HHR21	8.6E-04	8.6E-04	8.7E-04	6.1E-05	6.1E-05	6.2E-05
HHR22	2.2E-03	2.2E-03	2.2E-03	1.2E-04	1.2E-04	1.2E-04
HHR23	3.8E-03	3.8E-03	3.8E-03	2.4E-04	2.4E-04	2.5E-04
HHR24	3.6E-03	3.6E-03	3.6E-03	2.3E-04	2.3E-04	2.4E-04
HHR25	1.5E-03	1.5E-03	1.5E-03	6.2E-05	6.2E-05	6.4E-05
HHR26	5.5E-04	5.5E-04	5.5E-04	1.9E-05	1.9E-05	2.0E-05
HHR27	6.0E-04	6.0E-04	6.1E-04	1.3E-05	1.3E-05	1.4E-05
HHR28	5.5E-04	5.5E-04	5.5E-04	1.7E-05	1.7E-05	1.8E-05
HHR29	1.5E-03	1.5E-03	1.5E-03	1.9E-04	1.9E-04	2.0E-04
HHR30	3.4E-03	3.4E-03	3.4E-03	1.6E-04	1.6E-04	1.7E-04
HHR31	4.5E-03	4.5E-03	4.5E-03	5.8E-04	5.8E-04	5.8E-04
HHR32	1.9E-03	1.9E-03	1.9E-03	2.5E-04	2.5E-04	2.6E-04
HHR33	2.3E-03	2.3E-03	2.3E-03	2.3E-04	2.3E-04	2.4E-04
HHR34	5.3E-04	5.3E-04	5.4E-04	4.1E-05	4.1E-05	4.3E-05
HHR35	1.5E-03	1.5E-03	1.5E-03	1.8E-04	1.8E-04	1.9E-04
HHR36	2.8E-03	2.8E-03	2.8E-03	2.2E-04	2.2E-04	2.2E-04
HHR37	8.9E-03	8.9E-03	9.0E-03	3.8E-04	3.8E-04	4.1E-04
HHR38	1.3E-03	1.3E-03	1.3E-03	1.3E-04	1.3E-04	1.4E-04
HHR39	2.7E-04	2.7E-04	2.7E-04	1.6E-05	1.6E-05	1.8E-05
HHR40	2.5E-04	2.5E-04	2.5E-04	1.5E-05	1.5E-05	1.7E-05
HHR41	2.6E-04	2.6E-04	2.6E-04	1.8E-05	1.8E-05	2.0E-05
HHR42	5.7E-04	5.7E-04	5.8E-04	4.2E-05	4.2E-05	4.4E-05
HHR43	5.3E-03	5.3E-03	5.4E-03	3.2E-04	3.2E-04	3.2E-04
HHR44	4.3E-03	4.3E-03	4.3E-03	2.6E-04	2.6E-04	2.7E-04
HHR45	4.2E-04	4.2E-04	4.3E-04	1.3E-05	1.3E-05	1.4E-05
HHR46	1.3E-03	1.3E-03	1.3E-03	3.6E-05	3.6E-05	3.8E-05
HHR47	1.5E-03	1.5E-03	1.5E-03	4.5E-05	4.5E-05	4.7E-05
HHR48	2.5E-04	2.5E-04	2.5E-04	1.5E-05	1.5E-05	1.6E-05

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.1E-03	1.1E-03	1.1E-03	3.2E-05	3.2E-05	3.3E-05
HHR50	1.6E-03	1.6E-03	1.6E-03	5.0E-05	5.0E-05	5.2E-05
HHR51	9.6E-04	9.6E-04	9.7E-04	2.7E-05	2.7E-05	2.8E-05
HHR52	1.6E-03	1.6E-03	1.6E-03	7.5E-05	7.5E-05	7.8E-05
HHR53	2.0E-03	2.0E-03	2.0E-03	5.5E-05	5.5E-05	5.7E-05
HHR54	1.7E-03	1.7E-03	1.7E-03	8.7E-05	8.7E-05	9.0E-05
HHR55	1.4E-03	1.4E-03	1.4E-03	5.1E-05	5.2E-05	5.3E-05
HHR56	2.8E-03	2.8E-03	2.8E-03	1.4E-04	1.4E-04	1.4E-04
HHR57	5.1E-03	5.1E-03	5.1E-03	2.6E-04	2.6E-04	2.6E-04
HHR58	8.6E-04	8.6E-04	8.7E-04	1.6E-05	1.6E-05	1.7E-05
HHR59	9.3E-04	9.3E-04	9.4E-04	1.6E-05	1.6E-05	1.6E-05
HHR60	1.3E-03	1.3E-03	1.3E-03	2.0E-05	2.0E-05	2.0E-05
HHR61	2.3E-02	2.3E-02	2.3E-02	1.0E-03	1.0E-03	1.0E-03
HHR62	4.4E-02	4.4E-02	4.4E-02	1.9E-03	1.9E-03	1.9E-03
HHR63	1.4E-02	1.4E-02	1.4E-02	7.9E-04	7.9E-04	7.9E-04
HHR64	4.0E-04	4.0E-04	4.0E-04	2.5E-05	2.5E-05	2.7E-05
HHR65	8.7E-03	8.7E-03	8.7E-03	5.1E-04	5.1E-04	5.1E-04
HHR66	5.9E-04	5.9E-04	5.9E-04	1.4E-05	1.4E-05	1.5E-05
HHR67	7.3E-04	7.3E-04	7.3E-04	2.0E-05	2.0E-05	2.2E-05
HHR68	1.1E-03	1.1E-03	1.1E-03	4.4E-05	4.4E-05	4.5E-05
HHR69	2.5E-04	2.5E-04	2.5E-04	1.3E-05	1.3E-05	1.4E-05
HHR70	2.6E-04	2.6E-04	2.6E-04	1.5E-05	1.5E-05	1.7E-05
HHR71	4.9E-04	4.9E-04	5.0E-04	6.6E-05	6.6E-05	6.9E-05
HHR72	4.0E-04	4.0E-04	4.0E-04	7.1E-06	7.2E-06	7.7E-06
HHR73	2.3E-03	2.3E-03	2.3E-03	1.1E-04	1.1E-04	1.2E-04
HHR74	4.9E-04	4.9E-04	4.9E-04	5.8E-05	5.8E-05	6.0E-05
HHR75	2.5E-03	2.5E-03	2.5E-03	1.7E-04	1.7E-04	1.8E-04
HHR76	1.6E-03	1.6E-03	1.6E-03	1.1E-04	1.1E-04	1.1E-04
HHR77	8.9E-04	8.9E-04	8.9E-04	5.9E-05	5.9E-05	6.1E-05
HHR78	4.3E-04	4.3E-04	4.4E-04	3.1E-05	3.1E-05	3.3E-05
HHR79	5.5E-04	5.5E-04	5.5E-04	5.4E-05	5.4E-05	5.6E-05
HHR80	9.0E-04	9.0E-04	9.1E-04	7.5E-05	7.5E-05	7.7E-05
HHR81	6.8E-04	6.8E-04	6.9E-04	5.2E-05	5.2E-05	5.4E-05
HHR82	7.0E-04	7.0E-04	7.0E-04	5.4E-05	5.4E-05	5.6E-05
HHR83	6.6E-04	6.6E-04	6.6E-04	5.1E-05	5.1E-05	5.3E-05
MPOI	2.6E-01	2.6E-01	2.6E-01	2.6E-02	2.6E-02	2.6E-02

Table M6.2-30: Inhalation Exposure Hazard Quotient for Fluoranthene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.7E-05	1.7E-05	1.8E-05	6.7E-06	6.7E-06	7.8E-06
HHR2	1.6E-05	1.6E-05	1.7E-05	6.2E-06	6.2E-06	8.8E-06
HHR3	2.3E-06	2.3E-06	2.7E-06	6.9E-07	6.9E-07	9.7E-07
HHR4	2.0E-05	2.0E-05	2.0E-05	1.1E-05	1.1E-05	1.2E-05
HHR5	1.0E-05	1.0E-05	1.1E-05	3.2E-06	3.2E-06	6.7E-06
HHR6	1.1E-05	1.1E-05	1.1E-05	2.8E-06	2.8E-06	3.3E-06
HHR7	1.1E-06	1.1E-06	1.3E-06	2.6E-07	2.6E-07	3.6E-07
HHR8	2.5E-05	2.5E-05	2.6E-05	1.3E-05	1.3E-05	1.5E-05
HHR9	2.1E-05	2.1E-05	2.2E-05	9.8E-06	9.8E-06	1.1E-05
HHR10	4.9E-06	4.9E-06	6.2E-06	1.4E-06	1.4E-06	2.1E-06
HHR11	1.4E-05	1.4E-05	1.5E-05	9.1E-06	9.1E-06	9.7E-06
HHR12	2.9E-05	2.9E-05	3.0E-05	1.7E-05	1.7E-05	1.8E-05
HHR13	2.5E-05	2.5E-05	2.6E-05	1.3E-05	1.3E-05	1.4E-05
HHR14	1.3E-05	1.3E-05	1.4E-05	4.5E-06	4.5E-06	5.7E-06
HHR15	1.3E-06	1.3E-06	1.4E-06	2.2E-07	2.2E-07	3.3E-07
HHR16	7.3E-06	7.3E-06	8.1E-06	3.9E-06	3.9E-06	4.5E-06
HHR17	5.6E-06	5.6E-06	7.2E-06	1.3E-06	1.3E-06	1.9E-06
HHR18	2.6E-05	2.6E-05	2.7E-05	1.7E-05	1.7E-05	1.8E-05
HHR19	2.7E-05	2.7E-05	2.7E-05	1.7E-05	1.7E-05	1.8E-05
HHR20	3.0E-05	3.0E-05	3.0E-05	2.1E-05	2.1E-05	2.2E-05
HHR21	2.0E-05	2.0E-05	2.0E-05	1.1E-05	1.1E-05	1.2E-05
HHR22	1.0E-05	1.0E-05	1.1E-05	5.8E-06	5.8E-06	6.6E-06
HHR23	2.4E-05	2.4E-05	2.4E-05	1.5E-05	1.5E-05	1.6E-05
HHR24	2.5E-05	2.5E-05	2.6E-05	1.6E-05	1.6E-05	1.7E-05
HHR25	6.1E-06	6.1E-06	6.3E-06	2.3E-06	2.3E-06	2.8E-06
HHR26	4.2E-06	4.2E-06	4.7E-06	9.1E-07	9.1E-07	1.2E-06
HHR27	2.3E-06	2.3E-06	2.5E-06	5.3E-07	5.3E-07	7.6E-07
HHR28	1.7E-06	1.7E-06	2.1E-06	5.1E-07	5.1E-07	7.8E-07
HHR29	3.2E-05	3.2E-05	3.2E-05	2.5E-05	2.5E-05	2.7E-05
HHR30	8.8E-06	8.8E-06	1.2E-05	1.8E-06	1.8E-06	4.0E-06
HHR31	1.0E-04	1.0E-04	1.0E-04	8.9E-05	8.9E-05	9.0E-05
HHR32	4.6E-05	4.6E-05	4.7E-05	5.1E-05	5.1E-05	5.2E-05
HHR33	9.1E-05	9.1E-05	9.1E-05	4.9E-05	4.9E-05	5.1E-05
HHR34	6.4E-06	6.4E-06	7.1E-06	3.7E-06	3.7E-06	4.3E-06
HHR35	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.1E-05	4.3E-05
HHR36	4.3E-05	4.3E-05	4.4E-05	2.5E-05	2.5E-05	2.6E-05
HHR37	1.1E-05	1.1E-05	1.8E-05	2.5E-06	2.5E-06	1.8E-05
HHR38	1.9E-05	1.9E-05	2.0E-05	1.5E-05	1.5E-05	1.7E-05
HHR39	6.7E-06	6.7E-06	7.4E-06	1.3E-06	1.3E-06	2.1E-06
HHR40	5.6E-06	5.6E-06	6.9E-06	1.2E-06	1.2E-06	1.9E-06
HHR41	7.5E-06	7.5E-06	8.7E-06	1.6E-06	1.6E-06	2.5E-06
HHR42	8.3E-06	8.3E-06	9.1E-06	4.2E-06	4.2E-06	4.8E-06
HHR43	1.8E-05	1.8E-05	1.9E-05	9.6E-06	9.6E-06	1.1E-05
HHR44	2.1E-05	2.1E-05	2.2E-05	1.4E-05	1.4E-05	1.5E-05
HHR45	1.4E-06	1.4E-06	1.8E-06	4.1E-07	4.1E-07	6.2E-07
HHR46	2.7E-06	2.7E-06	3.3E-06	7.4E-07	7.4E-07	1.4E-06
HHR47	3.4E-06	3.4E-06	3.6E-06	8.9E-07	8.9E-07	1.6E-06
HHR48	5.3E-06	5.3E-06	6.4E-06	1.1E-06	1.1E-06	1.7E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	2.4E-06	2.4E-06	3.3E-06	6.7E-07	6.7E-07	1.3E-06
HHR50	3.7E-06	3.7E-06	4.0E-06	9.7E-07	9.7E-07	1.7E-06
HHR51	1.9E-06	1.9E-06	2.7E-06	5.9E-07	5.9E-07	1.1E-06
HHR52	8.2E-06	8.2E-06	9.1E-06	4.2E-06	4.2E-06	5.0E-06
HHR53	3.6E-06	3.6E-06	4.1E-06	8.8E-07	8.8E-07	1.9E-06
HHR54	6.5E-06	6.5E-06	7.9E-06	4.1E-06	4.1E-06	5.0E-06
HHR55	3.9E-06	3.9E-06	4.3E-06	1.1E-06	1.1E-06	1.8E-06
HHR56	6.6E-06	6.6E-06	8.0E-06	2.0E-06	2.0E-06	3.0E-06
HHR57	8.3E-06	8.3E-06	9.2E-06	2.2E-06	2.2E-06	3.6E-06
HHR58	1.4E-06	1.4E-06	2.0E-06	4.4E-07	4.4E-07	6.7E-07
HHR59	1.3E-06	1.3E-06	2.0E-06	4.4E-07	4.4E-07	6.6E-07
HHR60	1.6E-06	1.6E-06	2.3E-06	5.2E-07	5.2E-07	8.0E-07
HHR61	9.1E-06	9.1E-06	9.9E-06	2.4E-06	2.4E-06	4.0E-06
HHR62	8.8E-06	8.8E-06	9.4E-06	2.6E-06	2.6E-06	4.0E-06
HHR63	1.1E-05	1.1E-05	1.2E-05	3.8E-06	3.8E-06	5.0E-06
HHR64	1.5E-05	1.5E-05	1.5E-05	2.7E-06	2.7E-06	3.4E-06
HHR65	1.4E-05	1.4E-05	1.4E-05	5.5E-06	5.5E-06	6.6E-06
HHR66	2.3E-06	2.3E-06	2.7E-06	5.6E-07	5.7E-07	7.9E-07
HHR67	3.5E-06	3.5E-06	3.9E-06	8.6E-07	8.6E-07	1.2E-06
HHR68	4.9E-06	4.9E-06	5.2E-06	1.7E-06	1.7E-06	2.2E-06
HHR69	4.2E-06	4.2E-06	5.3E-06	9.0E-07	9.0E-07	1.3E-06
HHR70	5.6E-06	5.6E-06	6.4E-06	1.1E-06	1.1E-06	1.7E-06
HHR71	2.8E-05	2.8E-05	2.9E-05	1.9E-05	1.9E-05	2.0E-05
HHR72	1.6E-06	1.6E-06	1.6E-06	3.1E-07	3.1E-07	4.6E-07
HHR73	8.3E-06	8.3E-06	8.7E-06	4.4E-06	4.4E-06	5.1E-06
HHR74	2.7E-05	2.7E-05	2.8E-05	1.9E-05	1.9E-05	2.0E-05
HHR75	2.6E-05	2.6E-05	2.6E-05	1.4E-05	1.4E-05	1.5E-05
HHR76	2.2E-05	2.2E-05	2.3E-05	1.8E-05	1.8E-05	1.9E-05
HHR77	2.1E-05	2.1E-05	2.1E-05	1.0E-05	1.0E-05	1.1E-05
HHR78	1.5E-05	1.5E-05	1.6E-05	5.9E-06	5.9E-06	6.5E-06
HHR79	2.4E-05	2.4E-05	2.5E-05	1.6E-05	1.6E-05	1.7E-05
HHR80	1.4E-05	1.4E-05	1.4E-05	6.9E-06	6.9E-06	7.7E-06
HHR81	1.3E-05	1.3E-05	1.4E-05	6.8E-06	6.8E-06	7.6E-06
HHR82	1.0E-05	1.0E-05	1.1E-05	5.7E-06	5.7E-06	6.4E-06
HHR83	1.3E-05	1.3E-05	1.3E-05	6.2E-06	6.2E-06	6.9E-06
MPOI	1.6E-04	1.6E-04	1.6E-04	1.1E-04	1.1E-04	1.1E-04

Table M6.2-31: Inhalation Exposure Hazard Quotient for Fluorene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	2.4E-09	2.4E-09	2.4E-09	7.2E-10	8.7E-10	1.1E-09
HHR2	3.0E-09	3.2E-09	3.2E-09	6.7E-10	8.0E-10	9.8E-10
HHR3	8.9E-09	8.9E-09	8.9E-09	1.1E-09	1.3E-09	1.6E-09
HHR4	1.9E-09	2.0E-09	2.2E-09	7.7E-10	9.3E-10	1.1E-09
HHR5	4.4E-09	4.5E-09	4.5E-09	9.8E-10	1.1E-09	1.3E-09
HHR6	1.9E-09	2.0E-09	3.4E-09	7.9E-10	9.8E-10	1.3E-09
HHR7	9.5E-10	1.2E-09	1.4E-09	2.7E-10	3.4E-10	5.7E-10
HHR8	1.6E-09	1.8E-09	2.0E-09	6.0E-10	7.3E-10	9.5E-10
HHR9	1.7E-09	1.9E-09	2.1E-09	6.2E-10	7.4E-10	9.5E-10
HHR10	2.6E-09	3.1E-09	3.3E-09	4.9E-10	6.3E-10	8.1E-10
HHR11	1.3E-09	1.4E-09	1.5E-09	8.0E-10	9.6E-10	1.1E-09
HHR12	2.7E-09	2.8E-09	2.8E-09	7.5E-10	9.0E-10	1.2E-09
HHR13	1.3E-09	1.4E-09	1.5E-09	8.2E-10	9.9E-10	1.2E-09
HHR14	2.3E-09	2.5E-09	2.6E-09	8.5E-10	1.0E-09	1.2E-09
HHR15	1.4E-09	1.8E-09	1.8E-09	4.3E-10	7.0E-10	9.0E-10
HHR16	1.4E-09	1.6E-09	1.7E-09	6.0E-10	7.0E-10	9.0E-10
HHR17	2.3E-09	2.3E-09	2.4E-09	7.4E-10	8.3E-10	9.9E-10
HHR18	2.8E-09	2.8E-09	2.8E-09	7.0E-10	8.2E-10	1.0E-09
HHR19	2.5E-09	2.5E-09	2.5E-09	7.4E-10	8.7E-10	1.1E-09
HHR20	2.5E-09	2.7E-09	2.7E-09	7.3E-10	8.6E-10	1.0E-09
HHR21	1.4E-09	1.5E-09	1.6E-09	8.2E-10	9.8E-10	1.2E-09
HHR22	1.8E-09	1.9E-09	1.9E-09	7.6E-10	1.0E-09	1.2E-09
HHR23	2.0E-09	2.0E-09	2.1E-09	7.6E-10	9.1E-10	1.1E-09
HHR24	2.0E-09	2.1E-09	2.1E-09	7.4E-10	8.9E-10	1.1E-09
HHR25	1.3E-09	1.7E-09	1.7E-09	6.6E-10	9.8E-10	1.2E-09
HHR26	2.1E-09	2.5E-09	2.6E-09	8.2E-10	1.3E-09	1.6E-09
HHR27	1.9E-09	2.9E-09	2.9E-09	8.0E-10	1.2E-09	1.5E-09
HHR28	1.6E-09	1.9E-09	5.1E-09	3.9E-10	5.4E-10	1.0E-09
HHR29	2.7E-09	2.7E-09	3.1E-09	7.8E-10	8.4E-10	1.3E-09
HHR30	2.9E-09	3.1E-09	3.8E-09	6.3E-10	7.6E-10	9.2E-10
HHR31	6.2E-09	6.2E-09	6.6E-09	1.0E-09	1.1E-09	1.5E-09
HHR32	3.9E-09	3.9E-09	4.4E-09	1.0E-09	1.1E-09	1.5E-09
HHR33	2.2E-09	2.2E-09	2.4E-09	6.2E-10	7.3E-10	1.1E-09
HHR34	1.3E-09	1.6E-09	1.7E-09	6.0E-10	6.9E-10	9.0E-10
HHR35	2.8E-09	2.8E-09	3.1E-09	9.7E-10	1.1E-09	1.5E-09
HHR36	2.7E-09	2.7E-09	2.9E-09	6.8E-10	8.1E-10	1.1E-09
HHR37	3.6E-09	3.6E-09	3.7E-09	7.1E-10	8.4E-10	1.0E-09
HHR38	2.9E-09	3.0E-09	3.3E-09	1.0E-09	1.1E-09	1.6E-09
HHR39	2.3E-09	2.5E-09	2.6E-09	7.9E-10	8.9E-10	1.1E-09
HHR40	2.0E-09	2.1E-09	2.3E-09	7.2E-10	8.2E-10	9.8E-10
HHR41	2.6E-09	2.8E-09	2.9E-09	8.8E-10	9.7E-10	1.1E-09
HHR42	1.8E-09	1.9E-09	1.9E-09	6.4E-10	7.4E-10	9.5E-10
HHR43	1.9E-09	1.9E-09	2.2E-09	8.0E-10	9.7E-10	1.2E-09
HHR44	1.7E-09	1.7E-09	2.0E-09	7.9E-10	9.7E-10	1.2E-09
HHR45	1.3E-09	1.5E-09	3.6E-09	3.4E-10	4.9E-10	8.2E-10
HHR46	4.0E-09	4.0E-09	8.0E-09	7.6E-10	1.0E-09	1.6E-09
HHR47	4.6E-09	4.9E-09	5.8E-09	9.7E-10	1.2E-09	1.5E-09
HHR48	1.9E-09	2.0E-09	2.2E-09	6.7E-10	7.7E-10	9.3E-10

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	3.8E-09	3.9E-09	9.3E-09	7.1E-10	1.0E-09	1.5E-09
HHR50	6.8E-09	7.5E-09	7.6E-09	9.7E-10	1.2E-09	1.5E-09
HHR51	3.9E-09	3.9E-09	7.4E-09	7.2E-10	1.0E-09	1.5E-09
HHR52	5.1E-09	5.4E-09	5.5E-09	4.5E-10	6.0E-10	7.7E-10
HHR53	9.7E-09	9.8E-09	9.9E-09	1.5E-09	1.8E-09	2.2E-09
HHR54	6.3E-09	6.6E-09	6.6E-09	5.1E-10	6.5E-10	8.3E-10
HHR55	5.7E-09	6.4E-09	6.4E-09	7.2E-10	9.2E-10	1.2E-09
HHR56	5.5E-09	5.7E-09	5.8E-09	8.4E-10	1.0E-09	1.3E-09
HHR57	3.9E-09	3.9E-09	4.3E-09	8.2E-10	9.9E-10	1.2E-09
HHR58	3.2E-09	3.2E-09	3.2E-09	7.8E-10	1.2E-09	1.4E-09
HHR59	3.0E-09	3.0E-09	3.0E-09	7.6E-10	1.2E-09	1.4E-09
HHR60	3.4E-09	3.4E-09	3.4E-09	7.7E-10	1.4E-09	1.6E-09
HHR61	2.0E-08	2.0E-08	2.0E-08	2.0E-09	2.2E-09	2.3E-09
HHR62	6.8E-09	6.8E-09	6.8E-09	1.2E-09	1.4E-09	1.6E-09
HHR63	2.3E-09	2.5E-09	2.5E-09	9.0E-10	1.1E-09	1.3E-09
HHR64	3.2E-09	3.2E-09	3.2E-09	8.8E-10	1.0E-09	1.2E-09
HHR65	2.1E-09	2.1E-09	2.3E-09	8.7E-10	1.1E-09	1.3E-09
HHR66	1.9E-09	3.1E-09	3.1E-09	7.8E-10	1.2E-09	1.5E-09
HHR67	1.9E-09	2.9E-09	3.0E-09	7.5E-10	1.3E-09	1.7E-09
HHR68	1.9E-09	1.9E-09	1.9E-09	6.7E-10	1.0E-09	1.2E-09
HHR69	1.8E-09	1.9E-09	2.0E-09	5.8E-10	6.8E-10	8.5E-10
HHR70	2.1E-09	2.3E-09	2.4E-09	6.7E-10	7.7E-10	9.4E-10
HHR71	5.3E-09	5.3E-09	5.3E-09	9.5E-10	1.1E-09	1.2E-09
HHR72	1.3E-09	1.6E-09	1.6E-09	4.9E-10	7.1E-10	8.8E-10
HHR73	1.4E-09	1.8E-09	1.8E-09	7.3E-10	1.0E-09	1.2E-09
HHR74	2.8E-09	2.8E-09	2.9E-09	7.2E-10	8.4E-10	1.0E-09
HHR75	4.8E-09	4.8E-09	4.9E-09	1.0E-09	1.2E-09	1.4E-09
HHR76	3.8E-09	3.8E-09	3.9E-09	1.1E-09	1.3E-09	1.5E-09
HHR77	1.3E-09	1.4E-09	1.5E-09	7.7E-10	9.4E-10	1.1E-09
HHR78	2.6E-09	2.6E-09	2.7E-09	8.5E-10	9.8E-10	1.2E-09
HHR79	2.2E-09	2.3E-09	2.3E-09	7.4E-10	8.7E-10	1.1E-09
HHR80	1.5E-09	1.6E-09	1.7E-09	7.2E-10	8.4E-10	1.2E-09
HHR81	1.6E-09	1.7E-09	1.7E-09	7.3E-10	8.6E-10	1.0E-09
HHR82	1.4E-09	1.6E-09	1.6E-09	7.4E-10	8.6E-10	1.1E-09
HHR83	1.6E-09	1.6E-09	1.7E-09	7.2E-10	8.4E-10	1.0E-09
MPOI	3.6E-08	7.9E-08	7.9E-08	6.1E-09	4.0E-08	4.0E-08

Table M6.2-32: Inhalation Exposure Hazard Quotient for Formaldehyde

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	2.0E-01	2.0E-01	2.1E-01	4.9E-02	4.9E-02	5.7E-02
HHR2	1.8E-01	1.8E-01	2.0E-01	4.6E-02	4.6E-02	6.4E-02
HHR3	2.7E-02	2.7E-02	3.1E-02	6.8E-03	7.2E-03	1.0E-02
HHR4	2.3E-01	2.3E-01	2.3E-01	7.7E-02	7.8E-02	8.5E-02
HHR5	1.2E-01	1.2E-01	1.3E-01	2.7E-02	2.7E-02	5.2E-02
HHR6	1.2E-01	1.2E-01	1.3E-01	2.1E-02	2.2E-02	2.5E-02
HHR7	1.4E-02	1.4E-02	1.6E-02	2.5E-03	2.6E-03	3.5E-03
HHR8	2.9E-01	2.9E-01	3.0E-01	9.4E-02	9.4E-02	1.1E-01
HHR9	2.5E-01	2.5E-01	2.5E-01	7.0E-02	7.0E-02	7.9E-02
HHR10	5.7E-02	5.7E-02	7.2E-02	1.5E-02	1.5E-02	2.1E-02
HHR11	1.6E-01	1.6E-01	1.7E-01	6.5E-02	6.5E-02	7.0E-02
HHR12	3.3E-01	3.3E-01	3.4E-01	1.2E-01	1.2E-01	1.3E-01
HHR13	2.9E-01	2.9E-01	2.9E-01	9.6E-02	9.6E-02	1.0E-01
HHR14	1.5E-01	1.5E-01	1.6E-01	3.4E-02	3.4E-02	4.3E-02
HHR15	1.5E-02	1.5E-02	1.6E-02	2.5E-03	2.8E-03	4.2E-03
HHR16	8.4E-02	8.4E-02	9.3E-02	2.8E-02	2.8E-02	3.3E-02
HHR17	6.5E-02	6.5E-02	8.3E-02	1.0E-02	1.0E-02	1.5E-02
HHR18	3.0E-01	3.0E-01	3.1E-01	1.2E-01	1.2E-01	1.3E-01
HHR19	3.0E-01	3.0E-01	3.1E-01	1.2E-01	1.2E-01	1.3E-01
HHR20	3.4E-01	3.4E-01	3.5E-01	1.5E-01	1.5E-01	1.5E-01
HHR21	2.2E-01	2.2E-01	2.3E-01	7.9E-02	7.9E-02	8.4E-02
HHR22	1.2E-01	1.2E-01	1.2E-01	4.3E-02	4.3E-02	4.9E-02
HHR23	2.7E-01	2.7E-01	2.8E-01	1.1E-01	1.1E-01	1.2E-01
HHR24	2.8E-01	2.8E-01	3.0E-01	1.1E-01	1.1E-01	1.2E-01
HHR25	6.9E-02	6.9E-02	7.2E-02	1.7E-02	1.8E-02	2.2E-02
HHR26	4.9E-02	4.9E-02	5.4E-02	8.2E-03	8.7E-03	1.2E-02
HHR27	2.8E-02	2.8E-02	2.9E-02	5.5E-03	5.9E-03	8.5E-03
HHR28	2.0E-02	2.0E-02	2.6E-02	4.5E-03	4.7E-03	7.0E-03
HHR29	3.6E-01	3.6E-01	3.7E-01	1.8E-01	1.8E-01	1.9E-01
HHR30	1.0E-01	1.0E-01	1.3E-01	1.5E-02	1.5E-02	3.0E-02
HHR31	1.2E+00	1.2E+00	1.2E+00	6.2E-01	6.2E-01	6.3E-01
HHR32	5.2E-01	5.2E-01	5.3E-01	3.5E-01	3.5E-01	3.6E-01
HHR33	1.0E+00	1.0E+00	1.0E+00	3.4E-01	3.4E-01	3.5E-01
HHR34	7.3E-02	7.3E-02	8.2E-02	2.7E-02	2.7E-02	3.2E-02
HHR35	4.6E-01	4.6E-01	4.7E-01	2.9E-01	2.9E-01	3.0E-01
HHR36	4.9E-01	4.9E-01	5.0E-01	1.7E-01	1.7E-01	1.8E-01
HHR37	1.2E-01	1.3E-01	2.0E-01	2.0E-02	2.0E-02	1.3E-01
HHR38	2.2E-01	2.2E-01	2.3E-01	1.1E-01	1.1E-01	1.2E-01
HHR39	7.7E-02	7.7E-02	8.5E-02	1.1E-02	1.1E-02	1.6E-02
HHR40	6.5E-02	6.5E-02	7.9E-02	9.7E-03	9.9E-03	1.5E-02
HHR41	8.6E-02	8.6E-02	9.9E-02	1.2E-02	1.3E-02	2.0E-02
HHR42	9.5E-02	9.5E-02	1.0E-01	3.0E-02	3.0E-02	3.5E-02
HHR43	2.1E-01	2.1E-01	2.1E-01	6.9E-02	6.9E-02	7.7E-02
HHR44	2.4E-01	2.4E-01	2.5E-01	9.9E-02	9.9E-02	1.1E-01
HHR45	1.7E-02	1.7E-02	2.2E-02	3.7E-03	3.8E-03	5.7E-03
HHR46	3.1E-02	3.1E-02	3.9E-02	7.0E-03	7.3E-03	1.3E-02
HHR47	3.9E-02	3.9E-02	4.2E-02	8.5E-03	8.8E-03	1.4E-02
HHR48	6.0E-02	6.0E-02	7.4E-02	9.0E-03	9.1E-03	1.4E-02

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	2.7E-02	2.7E-02	3.9E-02	6.4E-03	6.7E-03	1.1E-02
HHR50	4.2E-02	4.2E-02	4.6E-02	9.2E-03	9.5E-03	1.5E-02
HHR51	2.2E-02	2.2E-02	3.3E-02	5.7E-03	6.0E-03	9.9E-03
HHR52	9.5E-02	9.5E-02	1.1E-01	3.3E-02	3.3E-02	3.9E-02
HHR53	4.1E-02	4.1E-02	4.9E-02	8.8E-03	9.0E-03	1.6E-02
HHR54	7.5E-02	7.6E-02	9.2E-02	3.2E-02	3.2E-02	3.9E-02
HHR55	4.5E-02	4.5E-02	5.0E-02	1.1E-02	1.1E-02	1.6E-02
HHR56	7.7E-02	7.7E-02	9.3E-02	1.7E-02	1.7E-02	2.5E-02
HHR57	9.5E-02	9.6E-02	1.1E-01	1.8E-02	1.8E-02	2.8E-02
HHR58	1.6E-02	1.6E-02	2.4E-02	4.3E-03	4.6E-03	6.7E-03
HHR59	1.6E-02	1.6E-02	2.4E-02	4.3E-03	4.6E-03	6.6E-03
HHR60	1.8E-02	1.8E-02	2.8E-02	4.9E-03	5.4E-03	7.8E-03
HHR61	1.0E-01	1.0E-01	1.1E-01	2.0E-02	2.0E-02	3.2E-02
HHR62	1.0E-01	1.0E-01	1.1E-01	2.3E-02	2.3E-02	3.4E-02
HHR63	1.3E-01	1.3E-01	1.4E-01	2.9E-02	2.9E-02	3.8E-02
HHR64	1.7E-01	1.7E-01	1.7E-01	2.1E-02	2.1E-02	2.6E-02
HHR65	1.6E-01	1.6E-01	1.6E-01	4.1E-02	4.1E-02	4.9E-02
HHR66	2.8E-02	2.8E-02	3.2E-02	5.6E-03	6.1E-03	8.8E-03
HHR67	4.0E-02	4.0E-02	4.5E-02	7.7E-03	8.3E-03	1.2E-02
HHR68	5.6E-02	5.6E-02	5.9E-02	1.4E-02	1.4E-02	1.8E-02
HHR69	4.8E-02	4.8E-02	6.1E-02	7.4E-03	7.5E-03	1.1E-02
HHR70	6.4E-02	6.4E-02	7.3E-02	9.0E-03	9.2E-03	1.4E-02
HHR71	3.3E-01	3.3E-01	3.3E-01	1.4E-01	1.4E-01	1.4E-01
HHR72	1.9E-02	1.9E-02	2.0E-02	3.2E-03	3.5E-03	5.1E-03
HHR73	9.5E-02	9.5E-02	1.0E-01	3.2E-02	3.3E-02	3.8E-02
HHR74	3.1E-01	3.1E-01	3.1E-01	1.4E-01	1.4E-01	1.4E-01
HHR75	2.9E-01	2.9E-01	3.0E-01	1.0E-01	1.0E-01	1.1E-01
HHR76	2.6E-01	2.6E-01	2.6E-01	1.3E-01	1.3E-01	1.3E-01
HHR77	2.4E-01	2.4E-01	2.4E-01	7.2E-02	7.3E-02	7.7E-02
HHR78	1.8E-01	1.8E-01	1.8E-01	4.3E-02	4.3E-02	4.8E-02
HHR79	2.8E-01	2.8E-01	2.9E-01	1.1E-01	1.1E-01	1.2E-01
HHR80	1.6E-01	1.6E-01	1.7E-01	5.0E-02	5.0E-02	5.5E-02
HHR81	1.5E-01	1.5E-01	1.6E-01	4.9E-02	4.9E-02	5.5E-02
HHR82	1.2E-01	1.2E-01	1.3E-01	4.1E-02	4.2E-02	4.7E-02
HHR83	1.5E-01	1.5E-01	1.5E-01	4.4E-02	4.5E-02	5.0E-02
MPOI	1.9E+00	1.9E+00	1.9E+00	7.5E-01	7.5E-01	7.7E-01

Table M6.2-33: Inhalation Exposure Hazard Quotient for Hexane

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	4.8E-03	4.8E-03	5.1E-03	1.3E-02	1.3E-02	1.4E-02
HHR2	1.3E-02	1.3E-02	1.3E-02	2.7E-02	2.7E-02	3.1E-02
HHR3	2.0E-03	2.0E-03	2.1E-03	1.4E-03	1.4E-03	1.7E-03
HHR4	5.0E-03	5.0E-03	5.3E-03	1.1E-02	1.1E-02	1.2E-02
HHR5	4.3E-03	4.3E-03	4.6E-03	5.1E-03	5.1E-03	9.5E-03
HHR6	7.2E-03	7.2E-03	7.2E-03	4.7E-03	4.7E-03	5.2E-03
HHR7	4.4E-04	4.4E-04	4.8E-04	2.5E-04	2.5E-04	3.4E-04
HHR8	4.3E-03	4.3E-03	4.8E-03	8.3E-03	8.3E-03	9.6E-03
HHR9	4.2E-03	4.2E-03	4.7E-03	8.6E-03	8.6E-03	9.7E-03
HHR10	1.4E-03	1.4E-03	1.8E-03	1.5E-03	1.5E-03	2.3E-03
HHR11	7.5E-03	7.5E-03	7.6E-03	1.3E-02	1.3E-02	1.4E-02
HHR12	4.2E-03	4.2E-03	4.5E-03	1.1E-02	1.1E-02	1.2E-02
HHR13	8.7E-03	8.7E-03	8.8E-03	1.6E-02	1.6E-02	1.7E-02
HHR14	7.2E-03	7.2E-03	7.3E-03	1.1E-02	1.1E-02	1.3E-02
HHR15	3.8E-04	3.8E-04	4.1E-04	2.9E-04	2.9E-04	3.7E-04
HHR16	4.7E-03	4.7E-03	5.0E-03	4.6E-03	4.6E-03	5.3E-03
HHR17	3.5E-03	3.5E-03	3.6E-03	1.9E-03	1.9E-03	2.2E-03
HHR18	1.7E-02	1.7E-02	1.8E-02	3.4E-02	3.4E-02	3.4E-02
HHR19	1.8E-02	1.8E-02	1.8E-02	3.4E-02	3.4E-02	3.4E-02
HHR20	2.0E-02	2.0E-02	2.0E-02	4.1E-02	4.1E-02	4.1E-02
HHR21	7.8E-03	7.8E-03	7.9E-03	1.5E-02	1.5E-02	1.5E-02
HHR22	4.8E-03	4.8E-03	4.9E-03	8.3E-03	8.3E-03	8.9E-03
HHR23	4.9E-03	4.9E-03	5.1E-03	1.1E-02	1.1E-02	1.2E-02
HHR24	4.5E-03	4.5E-03	4.8E-03	1.0E-02	1.0E-02	1.1E-02
HHR25	2.8E-03	2.8E-03	2.8E-03	3.2E-03	3.2E-03	3.6E-03
HHR26	2.8E-03	2.8E-03	2.9E-03	1.3E-03	1.3E-03	1.7E-03
HHR27	1.3E-03	1.3E-03	1.4E-03	7.6E-04	7.6E-04	9.4E-04
HHR28	8.7E-04	8.7E-04	9.5E-04	5.6E-04	5.6E-04	8.0E-04
HHR29	3.8E-03	3.8E-03	5.1E-03	1.0E-02	1.0E-02	1.5E-02
HHR30	2.5E-03	2.5E-03	3.7E-03	2.9E-03	2.9E-03	5.5E-03
HHR31	1.2E-02	1.2E-02	1.2E-02	2.7E-02	2.7E-02	2.9E-02
HHR32	6.2E-03	6.2E-03	6.6E-03	2.0E-02	2.0E-02	2.2E-02
HHR33	6.5E-03	6.5E-03	6.9E-03	1.3E-02	1.3E-02	1.4E-02
HHR34	4.0E-03	4.0E-03	4.3E-03	4.1E-03	4.1E-03	4.9E-03
HHR35	5.6E-03	5.6E-03	5.9E-03	1.8E-02	1.8E-02	2.0E-02
HHR36	5.0E-03	5.0E-03	5.4E-03	1.2E-02	1.2E-02	1.3E-02
HHR37	3.5E-03	3.5E-03	8.1E-03	4.8E-03	4.8E-03	2.6E-02
HHR38	4.1E-03	4.1E-03	5.4E-03	8.5E-03	8.5E-03	1.2E-02
HHR39	4.1E-03	4.1E-03	4.2E-03	2.0E-03	2.0E-03	2.3E-03
HHR40	3.5E-03	3.5E-03	3.6E-03	1.8E-03	1.8E-03	2.1E-03
HHR41	4.8E-03	4.8E-03	4.9E-03	2.5E-03	2.5E-03	2.8E-03
HHR42	5.5E-03	5.5E-03	5.8E-03	5.2E-03	5.2E-03	5.9E-03
HHR43	4.9E-03	4.9E-03	5.2E-03	1.1E-02	1.1E-02	1.2E-02
HHR44	5.7E-03	5.7E-03	6.0E-03	1.4E-02	1.4E-02	1.5E-02
HHR45	7.6E-04	7.6E-04	8.2E-04	4.8E-04	4.8E-04	6.6E-04
HHR46	1.1E-03	1.1E-03	1.1E-03	8.9E-04	8.9E-04	1.5E-03
HHR47	1.1E-03	1.1E-03	1.3E-03	1.1E-03	1.1E-03	1.6E-03
HHR48	3.2E-03	3.2E-03	3.4E-03	1.6E-03	1.6E-03	1.9E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.1E-03	1.1E-03	1.1E-03	8.2E-04	8.2E-04	1.3E-03
HHR50	1.2E-03	1.2E-03	1.4E-03	1.1E-03	1.1E-03	1.6E-03
HHR51	1.0E-03	1.0E-03	1.1E-03	7.4E-04	7.4E-04	1.1E-03
HHR52	1.5E-03	1.5E-03	1.9E-03	1.5E-03	1.5E-03	2.3E-03
HHR53	1.2E-03	1.2E-03	1.3E-03	1.2E-03	1.2E-03	1.7E-03
HHR54	1.7E-03	1.7E-03	2.1E-03	1.7E-03	1.7E-03	2.5E-03
HHR55	1.2E-03	1.2E-03	1.4E-03	1.1E-03	1.1E-03	1.7E-03
HHR56	1.9E-03	1.9E-03	2.1E-03	2.0E-03	2.0E-03	3.0E-03
HHR57	2.4E-03	2.4E-03	3.0E-03	2.9E-03	2.9E-03	4.4E-03
HHR58	6.9E-04	6.9E-04	7.6E-04	6.0E-04	6.0E-04	7.8E-04
HHR59	7.1E-04	7.1E-04	7.6E-04	6.0E-04	6.0E-04	7.8E-04
HHR60	8.0E-04	8.0E-04	8.8E-04	7.1E-04	7.2E-04	9.4E-04
HHR61	7.1E-03	7.1E-03	7.4E-03	7.1E-03	7.1E-03	8.6E-03
HHR62	1.1E-02	1.1E-02	1.1E-02	1.1E-02	1.1E-02	1.2E-02
HHR63	5.0E-03	5.0E-03	5.2E-03	9.6E-03	9.6E-03	1.1E-02
HHR64	8.8E-03	8.8E-03	8.9E-03	4.8E-03	4.8E-03	5.2E-03
HHR65	4.7E-03	4.7E-03	5.0E-03	1.0E-02	1.0E-02	1.1E-02
HHR66	1.5E-03	1.5E-03	1.5E-03	7.9E-04	7.9E-04	9.9E-04
HHR67	2.3E-03	2.3E-03	2.4E-03	1.2E-03	1.2E-03	2.2E-03
HHR68	2.4E-03	2.4E-03	2.5E-03	2.4E-03	2.5E-03	2.8E-03
HHR69	2.5E-03	2.5E-03	2.7E-03	1.3E-03	1.3E-03	1.5E-03
HHR70	3.4E-03	3.4E-03	3.5E-03	1.7E-03	1.7E-03	2.0E-03
HHR71	1.8E-02	1.8E-02	1.9E-02	3.8E-02	3.8E-02	3.8E-02
HHR72	6.1E-04	6.1E-04	6.2E-04	4.2E-04	4.2E-04	5.3E-04
HHR73	3.7E-03	3.7E-03	3.7E-03	6.0E-03	6.0E-03	6.5E-03
HHR74	1.8E-02	1.8E-02	1.8E-02	3.8E-02	3.8E-02	3.8E-02
HHR75	4.1E-03	4.1E-03	4.4E-03	1.1E-02	1.1E-02	1.2E-02
HHR76	1.1E-02	1.1E-02	1.1E-02	2.6E-02	2.6E-02	2.7E-02
HHR77	7.1E-03	7.1E-03	7.2E-03	1.3E-02	1.3E-02	1.3E-02
HHR78	1.0E-02	1.0E-02	1.0E-02	1.1E-02	1.1E-02	1.1E-02
HHR79	1.6E-02	1.6E-02	1.6E-02	3.1E-02	3.1E-02	3.1E-02
HHR80	2.8E-03	2.8E-03	3.1E-03	5.3E-03	5.3E-03	6.2E-03
HHR81	8.6E-03	8.6E-03	8.8E-03	1.1E-02	1.1E-02	1.1E-02
HHR82	6.9E-03	6.9E-03	7.1E-03	8.0E-03	8.0E-03	8.5E-03
HHR83	8.5E-03	8.5E-03	8.7E-03	9.6E-03	9.6E-03	1.0E-02
MPOI	1.4E-01	1.4E-01	1.4E-01	2.8E-01	2.8E-01	2.8E-01

Table M6.2-34: Inhalation Exposure Hazard Quotient for Hydrogen Sulfide (H_2S)

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	7.2E-01	7.2E-01	7.2E-01	3.8E-01	3.8E-01	3.9E-01
HHR2	1.9E+00	1.9E+00	1.9E+00	9.3E-01	9.3E-01	9.4E-01
HHR3	5.9E-01	5.9E-01	5.9E-01	4.9E-02	4.9E-02	5.3E-02
HHR4	4.9E-01	4.9E-01	4.9E-01	2.0E-01	2.0E-01	2.1E-01
HHR5	6.4E-01	6.4E-01	6.5E-01	1.6E-01	1.6E-01	1.6E-01
HHR6	8.1E-02	8.1E-02	1.7E-01	2.6E-02	2.6E-02	4.4E-02
HHR7	2.2E-02	2.2E-02	2.2E-02	3.7E-03	3.7E-03	4.3E-03
HHR8	3.1E-01	3.1E-01	3.1E-01	1.4E-01	1.4E-01	1.5E-01
HHR9	3.7E-01	3.7E-01	3.8E-01	1.8E-01	1.8E-01	1.9E-01
HHR10	1.2E-01	1.2E-01	1.2E-01	2.6E-02	2.6E-02	2.8E-02
HHR11	1.0E-01	1.0E-01	1.1E-01	3.8E-02	3.8E-02	4.2E-02
HHR12	2.4E-01	2.4E-01	2.5E-01	1.3E-01	1.3E-01	1.3E-01
HHR13	1.2E-01	1.2E-01	1.2E-01	4.2E-02	4.2E-02	4.5E-02
HHR14	1.1E+00	1.1E+00	1.1E+00	3.4E-01	3.4E-01	3.4E-01
HHR15	2.5E-02	2.5E-02	3.2E-02	4.2E-03	4.2E-03	5.1E-03
HHR16	5.9E-02	5.9E-02	6.3E-02	2.6E-02	2.6E-02	3.1E-02
HHR17	6.1E-02	6.1E-02	7.0E-02	1.3E-02	1.3E-02	1.7E-02
HHR18	7.1E-02	7.1E-02	7.8E-02	3.4E-02	3.4E-02	3.9E-02
HHR19	8.3E-02	8.3E-02	8.7E-02	3.3E-02	3.3E-02	3.8E-02
HHR20	7.8E-02	7.8E-02	8.2E-02	3.5E-02	3.5E-02	4.0E-02
HHR21	1.1E-01	1.1E-01	1.2E-01	4.0E-02	4.0E-02	4.4E-02
HHR22	1.7E-01	1.7E-01	1.7E-01	8.1E-02	8.1E-02	8.5E-02
HHR23	3.0E-01	3.0E-01	3.1E-01	1.4E-01	1.4E-01	1.5E-01
HHR24	2.9E-01	2.9E-01	2.9E-01	1.4E-01	1.4E-01	1.4E-01
HHR25	1.4E-01	1.4E-01	1.4E-01	3.3E-02	3.3E-02	3.6E-02
HHR26	8.1E-02	8.1E-02	1.3E-01	1.4E-02	1.4E-02	2.9E-02
HHR27	5.4E-02	5.4E-02	8.0E-02	1.2E-02	1.2E-02	1.5E-02
HHR28	4.6E-02	4.6E-02	4.9E-02	8.7E-03	8.7E-03	1.1E-02
HHR29	1.3E-01	1.3E-01	1.3E-01	7.0E-02	7.0E-02	8.3E-02
HHR30	2.2E-01	2.2E-01	2.2E-01	6.7E-02	6.7E-02	6.9E-02
HHR31	5.0E-01	5.0E-01	5.1E-01	2.0E-01	2.0E-01	2.1E-01
HHR32	1.8E-01	1.8E-01	1.8E-01	9.2E-02	9.2E-02	1.0E-01
HHR33	2.2E-01	2.2E-01	2.3E-01	1.1E-01	1.1E-01	1.2E-01
HHR34	5.7E-02	5.7E-02	6.2E-02	2.6E-02	2.6E-02	3.1E-02
HHR35	1.3E-01	1.3E-01	1.4E-01	7.5E-02	7.5E-02	8.5E-02
HHR36	2.4E-01	2.4E-01	2.5E-01	1.4E-01	1.4E-01	1.5E-01
HHR37	4.7E-01	4.7E-01	4.7E-01	1.3E-01	1.3E-01	1.3E-01
HHR38	4.1E-01	4.1E-01	4.2E-01	1.2E-01	1.2E-01	1.3E-01
HHR39	7.1E-02	7.1E-02	8.1E-02	1.4E-02	1.4E-02	1.9E-02
HHR40	6.1E-02	6.1E-02	7.0E-02	1.3E-02	1.3E-02	1.7E-02
HHR41	8.3E-02	8.3E-02	9.2E-02	1.6E-02	1.6E-02	2.1E-02
HHR42	6.2E-02	6.2E-02	6.6E-02	2.8E-02	2.8E-02	3.2E-02
HHR43	5.0E-01	5.0E-01	5.0E-01	2.0E-01	2.0E-01	2.0E-01
HHR44	3.9E-01	3.9E-01	3.9E-01	1.6E-01	1.6E-01	1.6E-01
HHR45	3.4E-02	3.4E-02	4.0E-02	6.9E-03	6.9E-03	9.1E-03
HHR46	7.5E-02	7.5E-02	7.8E-02	1.6E-02	1.6E-02	3.0E-02
HHR47	8.1E-02	8.1E-02	8.1E-02	2.1E-02	2.1E-02	2.7E-02
HHR48	5.7E-02	5.7E-02	6.6E-02	1.3E-02	1.3E-02	1.7E-02

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	7.3E-02	7.3E-02	7.7E-02	1.4E-02	1.4E-02	2.5E-02
HHR50	8.5E-02	8.5E-02	8.6E-02	2.3E-02	2.3E-02	2.7E-02
HHR51	6.4E-02	6.4E-02	6.4E-02	1.2E-02	1.2E-02	1.8E-02
HHR52	1.3E-01	1.3E-01	1.3E-01	2.9E-02	2.9E-02	3.1E-02
HHR53	1.2E-01	1.2E-01	1.2E-01	2.6E-02	2.6E-02	3.2E-02
HHR54	1.3E-01	1.3E-01	1.3E-01	3.3E-02	3.3E-02	3.5E-02
HHR55	9.4E-02	9.4E-02	9.5E-02	2.2E-02	2.2E-02	2.5E-02
HHR56	1.6E-01	1.6E-01	1.6E-01	4.8E-02	4.8E-02	5.1E-02
HHR57	2.9E-01	2.9E-01	2.9E-01	8.0E-02	8.0E-02	8.2E-02
HHR58	5.5E-02	5.5E-02	5.5E-02	8.3E-03	8.3E-03	1.1E-02
HHR59	5.9E-02	5.9E-02	6.0E-02	8.2E-03	8.2E-03	1.1E-02
HHR60	7.6E-02	7.6E-02	7.7E-02	9.9E-03	9.9E-03	1.4E-02
HHR61	1.1E+00	1.1E+00	1.1E+00	2.4E-01	2.4E-01	2.5E-01
HHR62	1.7E+00	1.7E+00	1.7E+00	3.7E-01	3.7E-01	3.8E-01
HHR63	7.5E-01	7.5E-01	7.5E-01	3.0E-01	3.0E-01	3.0E-01
HHR64	8.4E-02	8.4E-02	9.2E-02	2.5E-02	2.5E-02	3.1E-02
HHR65	7.1E-01	7.1E-01	7.1E-01	2.9E-01	2.9E-01	2.9E-01
HHR66	5.6E-02	5.6E-02	9.1E-02	1.2E-02	1.2E-02	1.5E-02
HHR67	7.5E-02	7.5E-02	2.5E-01	1.4E-02	1.4E-02	6.7E-02
HHR68	1.2E-01	1.2E-01	1.2E-01	2.4E-02	2.4E-02	2.9E-02
HHR69	4.8E-02	4.8E-02	5.7E-02	1.1E-02	1.1E-02	1.5E-02
HHR70	6.0E-02	6.0E-02	6.9E-02	1.3E-02	1.3E-02	1.8E-02
HHR71	1.7E-01	1.7E-01	1.8E-01	6.6E-02	6.6E-02	7.1E-02
HHR72	4.4E-02	4.4E-02	5.6E-02	6.5E-03	6.5E-03	7.9E-03
HHR73	1.8E-01	1.8E-01	1.8E-01	6.5E-02	6.5E-02	6.8E-02
HHR74	7.0E-02	7.0E-02	7.4E-02	3.5E-02	3.5E-02	4.0E-02
HHR75	2.0E-01	2.0E-01	2.0E-01	1.1E-01	1.1E-01	1.1E-01
HHR76	2.0E+00	2.0E+00	2.0E+00	9.3E-01	9.3E-01	9.3E-01
HHR77	1.2E-01	1.2E-01	1.3E-01	3.7E-02	3.7E-02	4.1E-02
HHR78	8.1E-02	8.1E-02	8.9E-02	2.7E-02	2.7E-02	3.4E-02
HHR79	7.6E-02	7.6E-02	7.9E-02	3.5E-02	3.5E-02	3.9E-02
HHR80	1.1E-01	1.1E-01	1.2E-01	5.3E-02	5.3E-02	5.9E-02
HHR81	7.7E-02	7.7E-02	7.8E-02	3.7E-02	3.7E-02	4.1E-02
HHR82	7.8E-02	7.8E-02	8.0E-02	3.7E-02	3.7E-02	4.1E-02
HHR83	7.2E-02	7.2E-02	7.4E-02	3.5E-02	3.5E-02	3.9E-02
MPOI	2.2E+01	2.2E+01	2.2E+01	1.0E+01	1.0E+01	1.0E+01

Table M6.2-35: Inhalation Exposure Hazard Quotient for Naphthalene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.3E-02	1.3E-02	1.4E-02	1.3E-02	1.3E-02	1.4E-02
HHR2	2.4E-02	2.4E-02	2.5E-02	1.6E-02	1.6E-02	1.8E-02
HHR3	2.3E-03	2.3E-03	2.6E-03	8.9E-04	8.9E-04	1.1E-03
HHR4	1.4E-02	1.4E-02	1.5E-02	1.2E-02	1.2E-02	1.2E-02
HHR5	1.0E-02	1.0E-02	1.1E-02	4.8E-03	4.8E-03	7.2E-03
HHR6	8.6E-03	8.6E-03	8.9E-03	2.7E-03	2.7E-03	3.0E-03
HHR7	1.2E-03	1.2E-03	1.4E-03	4.1E-04	4.1E-04	4.8E-04
HHR8	1.7E-02	1.7E-02	1.8E-02	1.2E-02	1.2E-02	1.3E-02
HHR9	1.5E-02	1.5E-02	1.5E-02	1.1E-02	1.1E-02	1.2E-02
HHR10	4.2E-03	4.2E-03	5.2E-03	1.7E-03	1.7E-03	2.2E-03
HHR11	1.1E-02	1.1E-02	1.1E-02	7.5E-03	7.5E-03	8.0E-03
HHR12	1.9E-02	1.9E-02	2.0E-02	1.4E-02	1.4E-02	1.5E-02
HHR13	1.8E-02	1.8E-02	1.8E-02	1.0E-02	1.1E-02	1.1E-02
HHR14	1.3E-02	1.3E-02	1.3E-02	9.7E-03	9.7E-03	1.1E-02
HHR15	1.0E-03	1.0E-03	1.1E-03	3.1E-04	3.1E-04	3.9E-04
HHR16	5.9E-03	5.9E-03	6.6E-03	3.4E-03	3.4E-03	3.9E-03
HHR17	4.7E-03	4.7E-03	5.6E-03	1.3E-03	1.3E-03	1.7E-03
HHR18	2.1E-02	2.1E-02	2.1E-02	1.4E-02	1.4E-02	1.5E-02
HHR19	2.2E-02	2.2E-02	2.2E-02	1.4E-02	1.4E-02	1.5E-02
HHR20	2.4E-02	2.4E-02	2.5E-02	1.7E-02	1.7E-02	1.7E-02
HHR21	1.5E-02	1.5E-02	1.5E-02	8.9E-03	8.9E-03	9.3E-03
HHR22	8.0E-03	8.0E-03	8.4E-03	5.7E-03	5.7E-03	6.2E-03
HHR23	1.6E-02	1.6E-02	1.7E-02	1.3E-02	1.3E-02	1.4E-02
HHR24	1.7E-02	1.7E-02	1.8E-02	1.3E-02	1.3E-02	1.4E-02
HHR25	5.1E-03	5.1E-03	5.4E-03	2.9E-03	2.9E-03	3.3E-03
HHR26	3.4E-03	3.4E-03	3.7E-03	1.1E-03	1.1E-03	1.3E-03
HHR27	1.9E-03	1.9E-03	1.9E-03	6.9E-04	7.0E-04	8.4E-04
HHR28	1.7E-03	1.7E-03	2.0E-03	6.5E-04	6.5E-04	8.4E-04
HHR29	2.2E-02	2.2E-02	2.2E-02	1.8E-02	1.8E-02	2.0E-02
HHR30	7.9E-03	7.9E-03	1.0E-02	2.7E-03	2.7E-03	4.3E-03
HHR31	6.3E-02	6.3E-02	6.4E-02	5.9E-02	5.9E-02	6.0E-02
HHR32	3.1E-02	3.1E-02	3.2E-02	3.4E-02	3.4E-02	3.5E-02
HHR33	5.6E-02	5.6E-02	5.6E-02	3.2E-02	3.2E-02	3.3E-02
HHR34	5.2E-03	5.2E-03	5.8E-03	3.3E-03	3.3E-03	3.8E-03
HHR35	2.8E-02	2.8E-02	2.8E-02	2.8E-02	2.8E-02	2.9E-02
HHR36	2.7E-02	2.7E-02	2.8E-02	1.8E-02	1.8E-02	1.9E-02
HHR37	1.0E-02	1.0E-02	1.5E-02	4.0E-03	4.0E-03	1.5E-02
HHR38	1.5E-02	1.5E-02	1.5E-02	1.1E-02	1.1E-02	1.3E-02
HHR39	5.6E-03	5.6E-03	6.0E-03	1.3E-03	1.3E-03	1.8E-03
HHR40	4.8E-03	4.8E-03	5.5E-03	1.2E-03	1.2E-03	1.6E-03
HHR41	6.3E-03	6.3E-03	6.8E-03	1.5E-03	1.5E-03	2.1E-03
HHR42	6.8E-03	6.8E-03	7.4E-03	3.7E-03	3.7E-03	4.2E-03
HHR43	1.3E-02	1.3E-02	1.4E-02	1.1E-02	1.1E-02	1.1E-02
HHR44	1.5E-02	1.5E-02	1.5E-02	1.3E-02	1.3E-02	1.4E-02
HHR45	1.5E-03	1.5E-03	1.6E-03	5.4E-04	5.4E-04	6.8E-04
HHR46	3.7E-03	3.7E-03	4.2E-03	1.2E-03	1.2E-03	1.6E-03
HHR47	4.7E-03	4.7E-03	5.1E-03	1.4E-03	1.4E-03	1.9E-03
HHR48	4.5E-03	4.5E-03	5.2E-03	1.1E-03	1.1E-03	1.5E-03

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	3.0E-03	3.0E-03	3.6E-03	1.1E-03	1.1E-03	1.5E-03
HHR50	5.0E-03	5.0E-03	5.4E-03	1.6E-03	1.6E-03	2.0E-03
HHR51	2.3E-03	2.3E-03	2.8E-03	9.3E-04	9.3E-04	1.2E-03
HHR52	6.2E-03	6.2E-03	7.1E-03	3.4E-03	3.4E-03	3.9E-03
HHR53	5.8E-03	5.8E-03	6.7E-03	1.7E-03	1.7E-03	2.3E-03
HHR54	5.6E-03	5.6E-03	6.7E-03	3.4E-03	3.4E-03	4.0E-03
HHR55	4.6E-03	4.6E-03	5.0E-03	1.6E-03	1.6E-03	2.1E-03
HHR56	7.0E-03	7.0E-03	8.1E-03	3.3E-03	3.3E-03	4.0E-03
HHR57	7.8E-03	7.8E-03	8.5E-03	3.8E-03	3.8E-03	4.8E-03
HHR58	1.6E-03	1.6E-03	1.8E-03	6.3E-04	6.4E-04	7.9E-04
HHR59	1.5E-03	1.5E-03	1.8E-03	6.2E-04	6.3E-04	7.8E-04
HHR60	1.9E-03	1.9E-03	2.2E-03	7.4E-04	7.5E-04	9.3E-04
HHR61	9.0E-03	9.0E-03	9.5E-03	6.1E-03	6.1E-03	7.1E-03
HHR62	1.6E-02	1.6E-02	1.7E-02	1.1E-02	1.1E-02	1.2E-02
HHR63	1.1E-02	1.1E-02	1.1E-02	8.8E-03	8.8E-03	9.8E-03
HHR64	1.2E-02	1.2E-02	1.2E-02	2.5E-03	2.5E-03	2.9E-03
HHR65	1.3E-02	1.3E-02	1.4E-02	1.0E-02	1.0E-02	1.1E-02
HHR66	1.9E-03	1.9E-03	2.1E-03	7.1E-04	7.2E-04	8.7E-04
HHR67	2.8E-03	2.8E-03	3.1E-03	1.0E-03	1.0E-03	1.3E-03
HHR68	4.8E-03	4.8E-03	5.0E-03	2.1E-03	2.1E-03	2.4E-03
HHR69	3.6E-03	3.6E-03	4.4E-03	9.3E-04	9.4E-04	1.2E-03
HHR70	4.8E-03	4.8E-03	5.2E-03	1.1E-03	1.1E-03	1.5E-03
HHR71	2.3E-02	2.3E-02	2.3E-02	1.6E-02	1.6E-02	1.6E-02
HHR72	1.3E-03	1.3E-03	1.4E-03	4.1E-04	4.2E-04	5.1E-04
HHR73	6.6E-03	6.6E-03	7.0E-03	4.6E-03	4.6E-03	5.1E-03
HHR74	2.2E-02	2.2E-02	2.2E-02	1.6E-02	1.6E-02	1.6E-02
HHR75	1.7E-02	1.7E-02	1.7E-02	1.2E-02	1.2E-02	1.3E-02
HHR76	1.7E-02	1.7E-02	1.8E-02	1.5E-02	1.5E-02	1.5E-02
HHR77	1.5E-02	1.5E-02	1.5E-02	8.2E-03	8.2E-03	8.6E-03
HHR78	1.2E-02	1.2E-02	1.3E-02	5.0E-03	5.0E-03	5.4E-03
HHR79	2.0E-02	2.0E-02	2.0E-02	1.3E-02	1.3E-02	1.4E-02
HHR80	9.7E-03	9.7E-03	1.0E-02	5.7E-03	5.7E-03	6.3E-03
HHR81	1.0E-02	1.0E-02	1.1E-02	5.8E-03	5.8E-03	6.4E-03
HHR82	8.4E-03	8.4E-03	8.9E-03	5.1E-03	5.1E-03	5.6E-03
HHR83	1.0E-02	1.0E-02	1.1E-02	5.4E-03	5.4E-03	5.9E-03
MPOI	2.4E-01	2.4E-01	2.4E-01	2.3E-01	2.3E-01	2.3E-01

Table M6.2-36: Inhalation Exposure Hazard Quotient for Phenanthrene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	4.5E-05	4.5E-05	4.7E-05	1.7E-05	1.7E-05	2.0E-05
HHR2	4.1E-05	4.1E-05	4.4E-05	1.6E-05	1.6E-05	2.3E-05
HHR3	6.0E-06	6.0E-06	6.9E-06	1.8E-06	1.8E-06	2.6E-06
HHR4	5.1E-05	5.1E-05	5.3E-05	2.8E-05	2.8E-05	3.1E-05
HHR5	2.7E-05	2.7E-05	2.9E-05	8.2E-06	8.2E-06	1.7E-05
HHR6	2.8E-05	2.8E-05	2.9E-05	7.3E-06	7.3E-06	8.5E-06
HHR7	3.0E-06	3.0E-06	3.4E-06	6.8E-07	6.8E-07	9.4E-07
HHR8	6.6E-05	6.6E-05	6.8E-05	3.4E-05	3.4E-05	3.8E-05
HHR9	5.6E-05	5.6E-05	5.7E-05	2.5E-05	2.5E-05	2.9E-05
HHR10	1.3E-05	1.3E-05	1.6E-05	3.7E-06	3.7E-06	5.5E-06
HHR11	3.7E-05	3.7E-05	3.8E-05	2.4E-05	2.4E-05	2.5E-05
HHR12	7.5E-05	7.5E-05	7.8E-05	4.4E-05	4.4E-05	4.8E-05
HHR13	6.5E-05	6.5E-05	6.6E-05	3.5E-05	3.5E-05	3.7E-05
HHR14	3.4E-05	3.5E-05	3.6E-05	1.2E-05	1.2E-05	1.5E-05
HHR15	3.3E-06	3.3E-06	3.5E-06	5.8E-07	5.9E-07	8.8E-07
HHR16	1.9E-05	1.9E-05	2.1E-05	1.0E-05	1.0E-05	1.2E-05
HHR17	1.5E-05	1.5E-05	1.9E-05	3.4E-06	3.4E-06	5.0E-06
HHR18	6.8E-05	6.8E-05	7.0E-05	4.5E-05	4.5E-05	4.8E-05
HHR19	6.9E-05	6.9E-05	7.0E-05	4.4E-05	4.4E-05	4.6E-05
HHR20	7.7E-05	7.7E-05	7.9E-05	5.4E-05	5.4E-05	5.6E-05
HHR21	5.1E-05	5.1E-05	5.2E-05	2.9E-05	2.9E-05	3.0E-05
HHR22	2.7E-05	2.7E-05	2.8E-05	1.5E-05	1.5E-05	1.7E-05
HHR23	6.1E-05	6.1E-05	6.3E-05	3.9E-05	3.9E-05	4.2E-05
HHR24	6.4E-05	6.4E-05	6.7E-05	4.0E-05	4.0E-05	4.3E-05
HHR25	1.6E-05	1.6E-05	1.6E-05	5.9E-06	5.9E-06	7.4E-06
HHR26	1.1E-05	1.1E-05	1.2E-05	2.4E-06	2.4E-06	3.2E-06
HHR27	6.1E-06	6.1E-06	6.4E-06	1.4E-06	1.4E-06	2.0E-06
HHR28	4.4E-06	4.4E-06	5.5E-06	1.3E-06	1.3E-06	2.0E-06
HHR29	8.2E-05	8.2E-05	8.4E-05	6.6E-05	6.6E-05	7.0E-05
HHR30	2.3E-05	2.3E-05	3.0E-05	4.8E-06	4.8E-06	1.0E-05
HHR31	2.6E-04	2.6E-04	2.6E-04	2.3E-04	2.3E-04	2.3E-04
HHR32	1.2E-04	1.2E-04	1.2E-04	1.3E-04	1.3E-04	1.3E-04
HHR33	2.3E-04	2.3E-04	2.4E-04	1.3E-04	1.3E-04	1.3E-04
HHR34	1.6E-05	1.6E-05	1.8E-05	9.6E-06	9.6E-06	1.1E-05
HHR35	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04
HHR36	1.1E-04	1.1E-04	1.1E-04	6.4E-05	6.4E-05	6.7E-05
HHR37	2.8E-05	2.8E-05	4.6E-05	6.5E-06	6.5E-06	4.7E-05
HHR38	5.0E-05	5.0E-05	5.2E-05	3.9E-05	3.9E-05	4.3E-05
HHR39	1.7E-05	1.7E-05	1.9E-05	3.4E-06	3.4E-06	5.4E-06
HHR40	1.5E-05	1.5E-05	1.8E-05	3.2E-06	3.2E-06	4.8E-06
HHR41	1.9E-05	1.9E-05	2.2E-05	4.2E-06	4.2E-06	6.6E-06
HHR42	2.2E-05	2.2E-05	2.3E-05	1.1E-05	1.1E-05	1.2E-05
HHR43	4.7E-05	4.7E-05	4.8E-05	2.5E-05	2.5E-05	2.8E-05
HHR44	5.5E-05	5.5E-05	5.7E-05	3.6E-05	3.6E-05	3.9E-05
HHR45	3.7E-06	3.7E-06	4.6E-06	1.1E-06	1.1E-06	1.6E-06
HHR46	7.1E-06	7.1E-06	8.5E-06	2.0E-06	2.0E-06	3.7E-06
HHR47	8.8E-06	8.9E-06	9.4E-06	2.3E-06	2.3E-06	4.1E-06
HHR48	1.4E-05	1.4E-05	1.7E-05	2.9E-06	2.9E-06	4.4E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	6.1E-06	6.1E-06	8.5E-06	1.8E-06	1.8E-06	3.3E-06
HHR50	9.6E-06	9.6E-06	1.0E-05	2.5E-06	2.5E-06	4.3E-06
HHR51	5.0E-06	5.0E-06	7.1E-06	1.6E-06	1.6E-06	2.8E-06
HHR52	2.1E-05	2.1E-05	2.3E-05	1.1E-05	1.1E-05	1.3E-05
HHR53	9.2E-06	9.2E-06	1.1E-05	2.3E-06	2.3E-06	4.9E-06
HHR54	1.7E-05	1.7E-05	2.1E-05	1.1E-05	1.1E-05	1.3E-05
HHR55	1.0E-05	1.0E-05	1.1E-05	2.9E-06	2.9E-06	4.6E-06
HHR56	1.7E-05	1.7E-05	2.1E-05	5.1E-06	5.1E-06	7.8E-06
HHR57	2.2E-05	2.2E-05	2.4E-05	5.6E-06	5.6E-06	9.3E-06
HHR58	3.5E-06	3.5E-06	5.1E-06	1.2E-06	1.2E-06	1.8E-06
HHR59	3.5E-06	3.5E-06	5.1E-06	1.2E-06	1.2E-06	1.8E-06
HHR60	4.1E-06	4.1E-06	6.0E-06	1.4E-06	1.4E-06	2.1E-06
HHR61	2.4E-05	2.4E-05	2.6E-05	6.1E-06	6.1E-06	1.0E-05
HHR62	2.3E-05	2.3E-05	2.4E-05	6.6E-06	6.6E-06	1.0E-05
HHR63	3.0E-05	3.0E-05	3.1E-05	9.8E-06	9.8E-06	1.3E-05
HHR64	3.8E-05	3.8E-05	3.8E-05	7.1E-06	7.1E-06	8.8E-06
HHR65	3.5E-05	3.5E-05	3.7E-05	1.4E-05	1.4E-05	1.7E-05
HHR66	6.0E-06	6.0E-06	6.9E-06	1.5E-06	1.5E-06	2.1E-06
HHR67	9.1E-06	9.1E-06	1.0E-05	2.2E-06	2.3E-06	3.1E-06
HHR68	1.3E-05	1.3E-05	1.3E-05	4.5E-06	4.5E-06	5.7E-06
HHR69	1.1E-05	1.1E-05	1.4E-05	2.3E-06	2.3E-06	3.5E-06
HHR70	1.4E-05	1.4E-05	1.7E-05	2.9E-06	2.9E-06	4.5E-06
HHR71	7.3E-05	7.3E-05	7.5E-05	4.9E-05	4.9E-05	5.3E-05
HHR72	4.1E-06	4.1E-06	4.2E-06	8.1E-07	8.2E-07	1.2E-06
HHR73	2.1E-05	2.1E-05	2.3E-05	1.1E-05	1.1E-05	1.3E-05
HHR74	7.0E-05	7.0E-05	7.1E-05	5.0E-05	5.0E-05	5.3E-05
HHR75	6.6E-05	6.6E-05	6.7E-05	3.7E-05	3.7E-05	3.9E-05
HHR76	5.8E-05	5.8E-05	5.9E-05	4.7E-05	4.7E-05	4.9E-05
HHR77	5.4E-05	5.4E-05	5.4E-05	2.6E-05	2.6E-05	2.8E-05
HHR78	4.0E-05	4.0E-05	4.1E-05	1.5E-05	1.5E-05	1.7E-05
HHR79	6.3E-05	6.3E-05	6.5E-05	4.1E-05	4.1E-05	4.3E-05
HHR80	3.5E-05	3.5E-05	3.7E-05	1.8E-05	1.8E-05	2.0E-05
HHR81	3.3E-05	3.3E-05	3.5E-05	1.8E-05	1.8E-05	2.0E-05
HHR82	2.7E-05	2.7E-05	2.9E-05	1.5E-05	1.5E-05	1.7E-05
HHR83	3.3E-05	3.3E-05	3.5E-05	1.6E-05	1.6E-05	1.8E-05
MPOI	4.2E-04	4.2E-04	4.2E-04	2.8E-04	2.8E-04	2.8E-04

Table M6.2-37: Inhalation Exposure Hazard Quotient for Propylene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	5.7E-06	5.7E-06	5.8E-06	1.7E-06	2.1E-06	2.5E-06
HHR2	7.1E-06	7.7E-06	7.7E-06	1.6E-06	1.9E-06	2.3E-06
HHR3	2.1E-05	2.1E-05	2.1E-05	2.6E-06	3.2E-06	3.9E-06
HHR4	4.5E-06	4.8E-06	5.3E-06	1.8E-06	2.2E-06	2.7E-06
HHR5	1.1E-05	1.1E-05	1.1E-05	2.4E-06	2.7E-06	3.2E-06
HHR6	4.6E-06	4.7E-06	8.1E-06	1.9E-06	2.4E-06	3.0E-06
HHR7	2.3E-06	2.9E-06	3.5E-06	6.5E-07	8.1E-07	1.4E-06
HHR8	3.8E-06	4.3E-06	4.8E-06	1.4E-06	1.7E-06	2.3E-06
HHR9	4.0E-06	4.6E-06	5.1E-06	1.5E-06	1.8E-06	2.3E-06
HHR10	6.2E-06	7.4E-06	7.8E-06	1.2E-06	1.5E-06	1.9E-06
HHR11	3.2E-06	3.4E-06	3.6E-06	1.9E-06	2.3E-06	2.7E-06
HHR12	6.6E-06	6.6E-06	6.6E-06	1.8E-06	2.2E-06	2.8E-06
HHR13	3.1E-06	3.3E-06	3.6E-06	2.0E-06	2.4E-06	2.8E-06
HHR14	5.4E-06	5.9E-06	6.2E-06	2.0E-06	2.5E-06	2.9E-06
HHR15	3.4E-06	4.4E-06	4.4E-06	1.0E-06	1.7E-06	2.2E-06
HHR16	3.4E-06	3.8E-06	4.1E-06	1.4E-06	1.7E-06	2.2E-06
HHR17	5.5E-06	5.5E-06	5.6E-06	1.8E-06	2.0E-06	2.4E-06
HHR18	6.7E-06	6.7E-06	6.8E-06	1.7E-06	2.0E-06	2.4E-06
HHR19	5.9E-06	6.0E-06	6.1E-06	1.8E-06	2.1E-06	2.5E-06
HHR20	6.1E-06	6.3E-06	6.4E-06	1.7E-06	2.1E-06	2.5E-06
HHR21	3.4E-06	3.5E-06	3.7E-06	2.0E-06	2.4E-06	2.8E-06
HHR22	4.4E-06	4.5E-06	4.7E-06	1.8E-06	2.4E-06	3.0E-06
HHR23	4.7E-06	4.8E-06	5.0E-06	1.8E-06	2.2E-06	2.7E-06
HHR24	4.8E-06	5.0E-06	5.1E-06	1.8E-06	2.1E-06	2.7E-06
HHR25	3.1E-06	4.0E-06	4.1E-06	1.6E-06	2.3E-06	2.8E-06
HHR26	4.9E-06	6.0E-06	6.2E-06	2.0E-06	3.1E-06	3.8E-06
HHR27	4.4E-06	6.9E-06	6.9E-06	1.9E-06	2.9E-06	3.5E-06
HHR28	3.9E-06	4.6E-06	1.2E-05	9.3E-07	1.3E-06	2.5E-06
HHR29	6.4E-06	6.4E-06	7.4E-06	1.9E-06	2.0E-06	3.2E-06
HHR30	6.9E-06	7.5E-06	9.1E-06	1.5E-06	1.8E-06	2.2E-06
HHR31	1.5E-05	1.5E-05	1.6E-05	2.4E-06	2.6E-06	3.7E-06
HHR32	9.4E-06	9.4E-06	1.0E-05	2.4E-06	2.6E-06	3.7E-06
HHR33	5.3E-06	5.3E-06	5.6E-06	1.5E-06	1.7E-06	2.5E-06
HHR34	3.2E-06	3.8E-06	4.1E-06	1.4E-06	1.6E-06	2.2E-06
HHR35	6.7E-06	6.7E-06	7.4E-06	2.3E-06	2.5E-06	3.6E-06
HHR36	6.4E-06	6.5E-06	6.9E-06	1.6E-06	1.9E-06	2.6E-06
HHR37	8.6E-06	8.7E-06	8.8E-06	1.7E-06	2.0E-06	2.5E-06
HHR38	7.0E-06	7.2E-06	7.9E-06	2.4E-06	2.6E-06	3.7E-06
HHR39	5.6E-06	5.9E-06	6.2E-06	1.9E-06	2.1E-06	2.5E-06
HHR40	4.9E-06	5.1E-06	5.4E-06	1.7E-06	2.0E-06	2.3E-06
HHR41	6.3E-06	6.8E-06	6.9E-06	2.1E-06	2.3E-06	2.7E-06
HHR42	4.2E-06	4.4E-06	4.6E-06	1.5E-06	1.8E-06	2.3E-06
HHR43	4.4E-06	4.6E-06	5.4E-06	1.9E-06	2.3E-06	2.9E-06
HHR44	4.0E-06	4.1E-06	4.9E-06	1.9E-06	2.3E-06	2.9E-06
HHR45	3.1E-06	3.7E-06	8.6E-06	8.1E-07	1.2E-06	2.0E-06
HHR46	9.5E-06	9.5E-06	1.9E-05	1.8E-06	2.4E-06	3.9E-06
HHR47	1.1E-05	1.2E-05	1.4E-05	2.3E-06	2.9E-06	3.7E-06
HHR48	4.6E-06	4.9E-06	5.2E-06	1.6E-06	1.8E-06	2.2E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	9.2E-06	9.2E-06	2.2E-05	1.7E-06	2.4E-06	3.6E-06
HHR50	1.6E-05	1.8E-05	1.8E-05	2.3E-06	2.8E-06	3.5E-06
HHR51	9.4E-06	9.4E-06	1.8E-05	1.7E-06	2.5E-06	3.6E-06
HHR52	1.2E-05	1.3E-05	1.3E-05	1.1E-06	1.4E-06	1.9E-06
HHR53	2.3E-05	2.4E-05	2.4E-05	3.6E-06	4.3E-06	5.2E-06
HHR54	1.5E-05	1.6E-05	1.6E-05	1.2E-06	1.6E-06	2.0E-06
HHR55	1.4E-05	1.5E-05	1.5E-05	1.7E-06	2.2E-06	2.8E-06
HHR56	1.3E-05	1.4E-05	1.4E-05	2.0E-06	2.5E-06	3.0E-06
HHR57	9.3E-06	9.3E-06	1.0E-05	2.0E-06	2.4E-06	2.8E-06
HHR58	7.7E-06	7.7E-06	7.7E-06	1.9E-06	2.9E-06	3.4E-06
HHR59	7.1E-06	7.1E-06	7.1E-06	1.8E-06	2.9E-06	3.3E-06
HHR60	8.1E-06	8.1E-06	8.1E-06	1.9E-06	3.3E-06	3.8E-06
HHR61	4.7E-05	4.7E-05	4.7E-05	4.7E-06	5.2E-06	5.6E-06
HHR62	1.6E-05	1.6E-05	1.6E-05	2.8E-06	3.3E-06	3.8E-06
HHR63	5.5E-06	5.9E-06	5.9E-06	2.1E-06	2.6E-06	3.1E-06
HHR64	7.6E-06	7.6E-06	7.7E-06	2.1E-06	2.4E-06	2.8E-06
HHR65	4.9E-06	4.9E-06	5.5E-06	2.1E-06	2.5E-06	3.0E-06
HHR66	4.5E-06	7.3E-06	7.3E-06	1.9E-06	2.9E-06	3.5E-06
HHR67	4.5E-06	7.0E-06	7.2E-06	1.8E-06	3.1E-06	4.0E-06
HHR68	4.5E-06	4.5E-06	4.6E-06	1.6E-06	2.5E-06	2.9E-06
HHR69	4.2E-06	4.6E-06	4.7E-06	1.4E-06	1.6E-06	2.0E-06
HHR70	5.0E-06	5.4E-06	5.8E-06	1.6E-06	1.9E-06	2.3E-06
HHR71	1.3E-05	1.3E-05	1.3E-05	2.3E-06	2.5E-06	3.0E-06
HHR72	3.1E-06	3.8E-06	3.8E-06	1.2E-06	1.7E-06	2.1E-06
HHR73	3.4E-06	4.2E-06	4.4E-06	1.7E-06	2.4E-06	2.9E-06
HHR74	6.6E-06	6.8E-06	6.8E-06	1.7E-06	2.0E-06	2.4E-06
HHR75	1.2E-05	1.2E-05	1.2E-05	2.4E-06	2.8E-06	3.4E-06
HHR76	9.1E-06	9.2E-06	9.4E-06	2.6E-06	3.1E-06	3.6E-06
HHR77	3.1E-06	3.3E-06	3.6E-06	1.9E-06	2.3E-06	2.7E-06
HHR78	6.3E-06	6.3E-06	6.4E-06	2.0E-06	2.3E-06	2.8E-06
HHR79	5.2E-06	5.4E-06	5.5E-06	1.8E-06	2.1E-06	2.5E-06
HHR80	3.7E-06	3.8E-06	4.1E-06	1.7E-06	2.0E-06	2.8E-06
HHR81	3.9E-06	4.0E-06	4.1E-06	1.8E-06	2.1E-06	2.5E-06
HHR82	3.3E-06	3.8E-06	3.9E-06	1.8E-06	2.1E-06	2.5E-06
HHR83	3.8E-06	3.9E-06	4.0E-06	1.7E-06	2.0E-06	2.5E-06
MPOI	8.6E-05	1.9E-04	1.9E-04	1.4E-05	9.5E-05	9.5E-05

Table M6.2-38: Inhalation Exposure Hazard Quotient for Pyrene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	3.5E-05	3.5E-05	3.6E-05	1.4E-05	1.4E-05	1.6E-05
HHR2	3.2E-05	3.2E-05	3.5E-05	1.3E-05	1.3E-05	1.8E-05
HHR3	4.7E-06	4.7E-06	5.4E-06	1.4E-06	1.4E-06	2.0E-06
HHR4	4.0E-05	4.0E-05	4.1E-05	2.2E-05	2.2E-05	2.4E-05
HHR5	2.1E-05	2.1E-05	2.3E-05	6.3E-06	6.3E-06	1.3E-05
HHR6	2.2E-05	2.2E-05	2.3E-05	5.7E-06	5.7E-06	6.6E-06
HHR7	2.3E-06	2.3E-06	2.6E-06	5.2E-07	5.2E-07	7.1E-07
HHR8	5.2E-05	5.2E-05	5.3E-05	2.7E-05	2.7E-05	3.0E-05
HHR9	4.4E-05	4.4E-05	4.5E-05	2.0E-05	2.0E-05	2.2E-05
HHR10	1.0E-05	1.0E-05	1.2E-05	2.8E-06	2.8E-06	4.2E-06
HHR11	2.9E-05	2.9E-05	3.0E-05	1.8E-05	1.8E-05	2.0E-05
HHR12	5.9E-05	5.9E-05	6.1E-05	3.5E-05	3.5E-05	3.7E-05
HHR13	5.1E-05	5.1E-05	5.2E-05	2.7E-05	2.7E-05	2.9E-05
HHR14	2.7E-05	2.7E-05	2.8E-05	9.2E-06	9.2E-06	1.2E-05
HHR15	2.6E-06	2.6E-06	2.8E-06	4.4E-07	4.4E-07	6.6E-07
HHR16	1.5E-05	1.5E-05	1.6E-05	7.8E-06	7.8E-06	9.1E-06
HHR17	1.1E-05	1.1E-05	1.5E-05	2.6E-06	2.6E-06	3.9E-06
HHR18	5.3E-05	5.3E-05	5.5E-05	3.5E-05	3.5E-05	3.7E-05
HHR19	5.4E-05	5.4E-05	5.5E-05	3.5E-05	3.5E-05	3.6E-05
HHR20	6.1E-05	6.1E-05	6.2E-05	4.2E-05	4.2E-05	4.4E-05
HHR21	4.0E-05	4.0E-05	4.1E-05	2.3E-05	2.3E-05	2.4E-05
HHR22	2.1E-05	2.1E-05	2.2E-05	1.2E-05	1.2E-05	1.3E-05
HHR23	4.8E-05	4.8E-05	5.0E-05	3.1E-05	3.1E-05	3.3E-05
HHR24	5.0E-05	5.0E-05	5.2E-05	3.2E-05	3.2E-05	3.4E-05
HHR25	1.2E-05	1.2E-05	1.3E-05	4.6E-06	4.6E-06	5.7E-06
HHR26	8.6E-06	8.6E-06	9.6E-06	1.8E-06	1.8E-06	2.4E-06
HHR27	4.8E-06	4.8E-06	5.0E-06	1.1E-06	1.1E-06	1.5E-06
HHR28	3.5E-06	3.5E-06	4.3E-06	1.0E-06	1.0E-06	1.6E-06
HHR29	6.4E-05	6.4E-05	6.6E-05	5.1E-05	5.1E-05	5.5E-05
HHR30	1.8E-05	1.8E-05	2.4E-05	3.7E-06	3.7E-06	8.0E-06
HHR31	2.1E-04	2.1E-04	2.1E-04	1.8E-04	1.8E-04	1.8E-04
HHR32	9.3E-05	9.3E-05	9.5E-05	1.0E-04	1.0E-04	1.1E-04
HHR33	1.8E-04	1.8E-04	1.9E-04	9.9E-05	9.9E-05	1.0E-04
HHR34	1.3E-05	1.3E-05	1.4E-05	7.5E-06	7.5E-06	8.8E-06
HHR35	8.3E-05	8.3E-05	8.4E-05	8.4E-05	8.4E-05	8.6E-05
HHR36	8.7E-05	8.7E-05	8.8E-05	5.0E-05	5.0E-05	5.3E-05
HHR37	2.2E-05	2.2E-05	3.6E-05	5.1E-06	5.1E-06	3.7E-05
HHR38	3.9E-05	3.9E-05	4.0E-05	3.1E-05	3.1E-05	3.4E-05
HHR39	1.4E-05	1.4E-05	1.5E-05	2.7E-06	2.7E-06	4.2E-06
HHR40	1.1E-05	1.1E-05	1.4E-05	2.5E-06	2.5E-06	3.7E-06
HHR41	1.5E-05	1.5E-05	1.8E-05	3.3E-06	3.3E-06	5.1E-06
HHR42	1.7E-05	1.7E-05	1.8E-05	8.4E-06	8.4E-06	9.8E-06
HHR43	3.7E-05	3.7E-05	3.8E-05	2.0E-05	2.0E-05	2.2E-05
HHR44	4.3E-05	4.3E-05	4.5E-05	2.8E-05	2.8E-05	3.0E-05
HHR45	2.9E-06	2.9E-06	3.6E-06	8.3E-07	8.3E-07	1.3E-06
HHR46	5.5E-06	5.5E-06	6.7E-06	1.5E-06	1.5E-06	2.8E-06
HHR47	6.9E-06	6.9E-06	7.4E-06	1.8E-06	1.8E-06	3.2E-06
HHR48	1.1E-05	1.1E-05	1.3E-05	2.3E-06	2.3E-06	3.4E-06

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	4.8E-06	4.8E-06	6.7E-06	1.3E-06	1.3E-06	2.5E-06
HHR50	7.5E-06	7.5E-06	8.1E-06	1.9E-06	1.9E-06	3.3E-06
HHR51	3.9E-06	3.9E-06	5.6E-06	1.2E-06	1.2E-06	2.2E-06
HHR52	1.7E-05	1.7E-05	1.8E-05	8.4E-06	8.4E-06	1.0E-05
HHR53	7.2E-06	7.2E-06	8.4E-06	1.8E-06	1.8E-06	3.8E-06
HHR54	1.3E-05	1.3E-05	1.6E-05	8.2E-06	8.2E-06	1.0E-05
HHR55	8.0E-06	8.0E-06	8.8E-06	2.3E-06	2.3E-06	3.6E-06
HHR56	1.3E-05	1.3E-05	1.6E-05	3.9E-06	3.9E-06	6.1E-06
HHR57	1.7E-05	1.7E-05	1.9E-05	4.4E-06	4.4E-06	7.2E-06
HHR58	2.8E-06	2.8E-06	4.0E-06	8.9E-07	8.9E-07	1.3E-06
HHR59	2.7E-06	2.7E-06	4.0E-06	8.9E-07	8.9E-07	1.3E-06
HHR60	3.2E-06	3.2E-06	4.7E-06	1.1E-06	1.1E-06	1.6E-06
HHR61	1.8E-05	1.8E-05	2.0E-05	4.8E-06	4.8E-06	8.0E-06
HHR62	1.8E-05	1.8E-05	1.9E-05	5.2E-06	5.2E-06	8.1E-06
HHR63	2.3E-05	2.3E-05	2.5E-05	7.7E-06	7.7E-06	1.0E-05
HHR64	3.0E-05	3.0E-05	3.0E-05	5.5E-06	5.5E-06	6.8E-06
HHR65	2.8E-05	2.8E-05	2.9E-05	1.1E-05	1.1E-05	1.3E-05
HHR66	4.7E-06	4.7E-06	5.4E-06	1.1E-06	1.1E-06	1.6E-06
HHR67	7.1E-06	7.1E-06	7.9E-06	1.7E-06	1.7E-06	2.3E-06
HHR68	1.0E-05	1.0E-05	1.1E-05	3.5E-06	3.5E-06	4.5E-06
HHR69	8.5E-06	8.5E-06	1.1E-05	1.8E-06	1.8E-06	2.7E-06
HHR70	1.1E-05	1.1E-05	1.3E-05	2.3E-06	2.3E-06	3.5E-06
HHR71	5.7E-05	5.7E-05	5.9E-05	3.9E-05	3.9E-05	4.1E-05
HHR72	3.2E-06	3.2E-06	3.3E-06	6.2E-07	6.2E-07	9.2E-07
HHR73	1.7E-05	1.7E-05	1.8E-05	8.8E-06	8.8E-06	1.0E-05
HHR74	5.5E-05	5.5E-05	5.6E-05	3.9E-05	3.9E-05	4.1E-05
HHR75	5.2E-05	5.2E-05	5.3E-05	2.9E-05	2.9E-05	3.1E-05
HHR76	4.5E-05	4.5E-05	4.6E-05	3.7E-05	3.7E-05	3.8E-05
HHR77	4.2E-05	4.2E-05	4.3E-05	2.1E-05	2.1E-05	2.2E-05
HHR78	3.1E-05	3.1E-05	3.2E-05	1.2E-05	1.2E-05	1.3E-05
HHR79	5.0E-05	5.0E-05	5.1E-05	3.2E-05	3.2E-05	3.4E-05
HHR80	2.8E-05	2.8E-05	2.9E-05	1.4E-05	1.4E-05	1.6E-05
HHR81	2.6E-05	2.6E-05	2.8E-05	1.4E-05	1.4E-05	1.5E-05
HHR82	2.1E-05	2.1E-05	2.3E-05	1.2E-05	1.2E-05	1.3E-05
HHR83	2.6E-05	2.6E-05	2.7E-05	1.3E-05	1.3E-05	1.4E-05
MPOI	3.3E-04	3.3E-04	3.3E-04	2.2E-04	2.2E-04	2.2E-04

Table M6.2-39: Inhalation Exposure Hazard Quotient for Thiophene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	8.6E-04	8.6E-04	8.7E-04	6.6E-04	6.6E-04	6.8E-04
HHR2	2.4E-03	2.4E-03	2.4E-03	1.5E-03	1.5E-03	1.5E-03
HHR3	8.9E-05	8.9E-05	1.0E-04	2.2E-05	2.2E-05	2.7E-05
HHR4	4.2E-04	4.2E-04	4.3E-04	3.6E-04	3.6E-04	3.9E-04
HHR5	4.4E-04	4.4E-04	4.5E-04	1.3E-04	1.3E-04	1.6E-04
HHR6	1.6E-04	1.6E-04	1.7E-04	7.1E-05	7.1E-05	8.1E-05
HHR7	2.7E-05	2.7E-05	3.3E-05	6.4E-06	6.4E-06	8.6E-06
HHR8	3.8E-04	3.8E-04	4.0E-04	3.1E-04	3.1E-04	3.4E-04
HHR9	4.4E-04	4.4E-04	4.6E-04	3.5E-04	3.5E-04	3.8E-04
HHR10	1.3E-04	1.3E-04	1.5E-04	3.8E-05	3.8E-05	5.3E-05
HHR11	2.1E-04	2.1E-04	2.2E-04	1.3E-04	1.3E-04	1.5E-04
HHR12	3.9E-04	3.9E-04	4.3E-04	3.4E-04	3.4E-04	3.7E-04
HHR13	2.5E-04	2.5E-04	2.6E-04	1.5E-04	1.5E-04	1.6E-04
HHR14	1.3E-03	1.3E-03	1.3E-03	5.1E-04	5.1E-04	5.3E-04
HHR15	2.3E-05	2.3E-05	2.7E-05	6.4E-06	6.4E-06	8.7E-06
HHR16	1.5E-04	1.5E-04	1.7E-04	8.9E-05	8.9E-05	1.1E-04
HHR17	2.4E-04	2.4E-04	2.6E-04	5.0E-05	5.0E-05	6.3E-05
HHR18	3.5E-04	3.5E-04	3.6E-04	1.7E-04	1.7E-04	1.8E-04
HHR19	3.5E-04	3.5E-04	3.6E-04	1.7E-04	1.7E-04	1.9E-04
HHR20	3.5E-04	3.5E-04	3.6E-04	1.9E-04	1.9E-04	2.0E-04
HHR21	2.3E-04	2.3E-04	2.4E-04	1.4E-04	1.4E-04	1.5E-04
HHR22	3.5E-04	3.5E-04	3.7E-04	2.5E-04	2.5E-04	2.7E-04
HHR23	3.1E-04	3.1E-04	3.2E-04	3.1E-04	3.1E-04	3.4E-04
HHR24	3.3E-04	3.3E-04	3.6E-04	3.2E-04	3.2E-04	3.5E-04
HHR25	2.3E-04	2.3E-04	2.4E-04	9.4E-05	9.4E-05	1.0E-04
HHR26	9.7E-05	9.8E-05	1.1E-04	2.6E-05	2.6E-05	3.3E-05
HHR27	6.7E-05	6.7E-05	7.4E-05	1.6E-05	1.6E-05	2.1E-05
HHR28	6.3E-05	6.3E-05	6.7E-05	1.4E-05	1.4E-05	1.9E-05
HHR29	2.7E-04	2.7E-04	3.3E-04	2.0E-04	2.0E-04	2.6E-04
HHR30	2.6E-04	2.6E-04	3.2E-04	8.8E-05	8.8E-05	1.5E-04
HHR31	7.0E-04	7.0E-04	7.1E-04	4.7E-04	4.7E-04	5.2E-04
HHR32	3.3E-04	3.3E-04	3.5E-04	2.9E-04	2.9E-04	3.3E-04
HHR33	7.2E-04	7.2E-04	7.4E-04	3.9E-04	3.9E-04	4.3E-04
HHR34	1.4E-04	1.4E-04	1.7E-04	9.0E-05	9.0E-05	1.1E-04
HHR35	3.7E-04	3.7E-04	4.3E-04	2.7E-04	2.7E-04	3.1E-04
HHR36	8.1E-04	8.1E-04	8.4E-04	5.4E-04	5.4E-04	5.7E-04
HHR37	3.8E-04	3.8E-04	4.0E-04	1.4E-04	1.4E-04	2.1E-04
HHR38	2.0E-03	2.0E-03	2.0E-03	6.1E-04	6.1E-04	6.6E-04
HHR39	3.0E-04	3.0E-04	3.1E-04	5.4E-05	5.4E-05	6.7E-05
HHR40	2.4E-04	2.4E-04	2.6E-04	4.7E-05	4.7E-05	6.0E-05
HHR41	3.6E-04	3.6E-04	3.7E-04	7.1E-05	7.1E-05	8.8E-05
HHR42	1.7E-04	1.7E-04	1.9E-04	9.4E-05	9.4E-05	1.1E-04
HHR43	4.2E-04	4.2E-04	4.4E-04	3.5E-04	3.5E-04	3.7E-04
HHR44	3.3E-04	3.3E-04	3.4E-04	3.0E-04	3.0E-04	3.3E-04
HHR45	5.1E-05	5.1E-05	5.5E-05	1.2E-05	1.2E-05	1.6E-05
HHR46	8.9E-05	8.9E-05	9.3E-05	2.3E-05	2.3E-05	3.1E-05
HHR47	1.0E-04	1.0E-04	1.1E-04	2.7E-05	2.7E-05	3.7E-05
HHR48	2.2E-04	2.2E-04	2.3E-04	4.2E-05	4.2E-05	5.4E-05

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	7.9E-05	7.9E-05	8.3E-05	2.1E-05	2.1E-05	2.8E-05
HHR50	1.1E-04	1.1E-04	1.1E-04	2.9E-05	2.9E-05	3.9E-05
HHR51	6.6E-05	6.6E-05	7.0E-05	1.9E-05	1.9E-05	2.4E-05
HHR52	1.3E-04	1.3E-04	1.4E-04	4.1E-05	4.2E-05	5.6E-05
HHR53	1.1E-04	1.1E-04	1.1E-04	2.9E-05	3.0E-05	3.9E-05
HHR54	1.4E-04	1.4E-04	1.5E-04	4.5E-05	4.5E-05	6.0E-05
HHR55	1.1E-04	1.1E-04	1.2E-04	3.1E-05	3.1E-05	4.2E-05
HHR56	2.0E-04	2.0E-04	2.0E-04	5.5E-05	5.5E-05	7.1E-05
HHR57	2.3E-04	2.3E-04	2.5E-04	8.2E-05	8.2E-05	9.9E-05
HHR58	4.9E-05	5.0E-05	5.8E-05	1.4E-05	1.4E-05	1.8E-05
HHR59	4.9E-05	5.0E-05	5.7E-05	1.4E-05	1.4E-05	1.8E-05
HHR60	5.6E-05	5.6E-05	6.6E-05	1.6E-05	1.7E-05	2.2E-05
HHR61	4.1E-04	4.1E-04	4.1E-04	1.3E-04	1.3E-04	1.5E-04
HHR62	5.2E-04	5.2E-04	5.3E-04	1.9E-04	1.9E-04	2.1E-04
HHR63	9.1E-04	9.1E-04	9.2E-04	3.6E-04	3.6E-04	3.8E-04
HHR64	4.0E-04	4.0E-04	4.1E-04	1.2E-04	1.2E-04	1.3E-04
HHR65	7.6E-04	7.6E-04	7.6E-04	4.6E-04	4.6E-04	4.9E-04
HHR66	7.0E-05	7.0E-05	7.8E-05	1.7E-05	1.7E-05	2.2E-05
HHR67	9.4E-05	9.4E-05	1.0E-04	2.4E-05	2.5E-05	3.1E-05
HHR68	1.9E-04	1.9E-04	1.9E-04	5.6E-05	5.6E-05	6.6E-05
HHR69	1.6E-04	1.6E-04	1.7E-04	3.1E-05	3.1E-05	4.1E-05
HHR70	2.3E-04	2.3E-04	2.4E-04	4.3E-05	4.3E-05	5.5E-05
HHR71	8.8E-04	8.8E-04	8.9E-04	4.2E-04	4.2E-04	4.4E-04
HHR72	3.6E-05	3.6E-05	4.0E-05	9.1E-06	9.1E-06	1.2E-05
HHR73	2.4E-04	2.4E-04	2.5E-04	1.5E-04	1.5E-04	1.7E-04
HHR74	3.4E-04	3.4E-04	3.6E-04	1.8E-04	1.8E-04	1.9E-04
HHR75	3.5E-04	3.5E-04	3.7E-04	2.9E-04	2.9E-04	3.1E-04
HHR76	1.6E-03	1.6E-03	1.6E-03	1.1E-03	1.1E-03	1.1E-03
HHR77	2.3E-04	2.3E-04	2.4E-04	1.3E-04	1.3E-04	1.4E-04
HHR78	3.7E-04	3.7E-04	3.9E-04	1.3E-04	1.3E-04	1.4E-04
HHR79	3.2E-04	3.2E-04	3.3E-04	1.6E-04	1.6E-04	1.8E-04
HHR80	5.2E-04	5.2E-04	5.2E-04	2.1E-04	2.1E-04	2.3E-04
HHR81	2.0E-04	2.0E-04	2.1E-04	1.2E-04	1.2E-04	1.4E-04
HHR82	1.9E-04	1.9E-04	2.1E-04	1.2E-04	1.2E-04	1.4E-04
HHR83	2.2E-04	2.2E-04	2.3E-04	1.1E-04	1.1E-04	1.3E-04
MPOI	2.7E-02	2.7E-02	2.7E-02	1.8E-02	1.8E-02	1.8E-02

Table M6.2-40: Inhalation Exposure Hazard Quotient for Toluene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.3E-02	1.3E-02	1.3E-02	7.7E-03	7.7E-03	7.8E-03
HHR2	2.9E-02	2.9E-02	2.9E-02	1.5E-02	1.5E-02	1.5E-02
HHR3	5.5E-04	5.5E-04	5.6E-04	2.3E-04	2.3E-04	2.5E-04
HHR4	9.0E-03	9.0E-03	9.0E-03	4.4E-03	4.4E-03	4.5E-03
HHR5	2.0E-02	2.0E-02	2.1E-02	6.4E-03	6.4E-03	6.6E-03
HHR6	9.8E-04	9.8E-04	9.9E-04	5.1E-04	5.1E-04	5.5E-04
HHR7	3.7E-04	3.7E-04	3.8E-04	1.2E-04	1.2E-04	1.3E-04
HHR8	5.7E-03	5.7E-03	5.7E-03	3.5E-03	3.5E-03	3.7E-03
HHR9	7.1E-03	7.1E-03	7.2E-03	4.3E-03	4.3E-03	4.4E-03
HHR10	2.2E-03	2.2E-03	2.3E-03	9.3E-04	9.3E-04	9.9E-04
HHR11	1.5E-03	1.5E-03	1.5E-03	1.1E-03	1.1E-03	1.1E-03
HHR12	5.4E-03	5.4E-03	5.5E-03	3.3E-03	3.3E-03	3.4E-03
HHR13	1.8E-03	1.8E-03	1.8E-03	1.3E-03	1.3E-03	1.4E-03
HHR14	1.9E-02	1.9E-02	1.9E-02	7.9E-03	7.9E-03	8.0E-03
HHR15	3.3E-04	3.3E-04	3.3E-04	9.3E-05	9.4E-05	1.0E-04
HHR16	1.0E-03	1.0E-03	1.0E-03	6.7E-04	6.7E-04	7.2E-04
HHR17	6.0E-04	6.0E-04	6.6E-04	2.7E-04	2.7E-04	3.1E-04
HHR18	1.5E-03	1.5E-03	1.6E-03	1.5E-03	1.5E-03	1.5E-03
HHR19	1.8E-03	1.8E-03	1.8E-03	1.5E-03	1.5E-03	1.5E-03
HHR20	1.9E-03	1.9E-03	1.9E-03	1.7E-03	1.7E-03	1.8E-03
HHR21	1.7E-03	1.7E-03	1.7E-03	1.2E-03	1.2E-03	1.2E-03
HHR22	3.8E-03	3.8E-03	3.8E-03	1.7E-03	1.7E-03	1.7E-03
HHR23	6.5E-03	6.5E-03	6.5E-03	3.6E-03	3.6E-03	3.7E-03
HHR24	6.2E-03	6.2E-03	6.2E-03	3.5E-03	3.5E-03	3.6E-03
HHR25	2.4E-03	2.4E-03	2.4E-03	8.7E-04	8.7E-04	9.1E-04
HHR26	8.6E-04	8.6E-04	8.6E-04	3.0E-04	3.0E-04	3.2E-04
HHR27	9.6E-04	9.6E-04	9.7E-04	2.0E-04	2.1E-04	2.2E-04
HHR28	9.2E-04	9.2E-04	9.3E-04	2.6E-04	2.6E-04	2.9E-04
HHR29	3.2E-03	3.2E-03	3.2E-03	3.4E-03	3.4E-03	3.6E-03
HHR30	5.5E-03	5.5E-03	5.6E-03	1.9E-03	1.9E-03	2.1E-03
HHR31	1.3E-02	1.3E-02	1.3E-02	1.1E-02	1.1E-02	1.1E-02
HHR32	4.8E-03	4.8E-03	4.8E-03	4.9E-03	4.9E-03	5.0E-03
HHR33	4.6E-03	4.6E-03	4.6E-03	4.2E-03	4.2E-03	4.4E-03
HHR34	9.9E-04	9.9E-04	1.0E-03	6.7E-04	6.7E-04	7.2E-04
HHR35	3.4E-03	3.4E-03	3.4E-03	3.6E-03	3.6E-03	3.7E-03
HHR36	4.8E-03	4.8E-03	4.8E-03	3.6E-03	3.6E-03	3.7E-03
HHR37	1.4E-02	1.4E-02	1.4E-02	4.3E-03	4.3E-03	5.1E-03
HHR38	2.7E-03	2.7E-03	2.8E-03	2.3E-03	2.3E-03	2.4E-03
HHR39	7.2E-04	7.2E-04	7.5E-04	2.8E-04	2.9E-04	3.3E-04
HHR40	6.2E-04	6.2E-04	6.7E-04	2.6E-04	2.6E-04	3.0E-04
HHR41	7.9E-04	7.9E-04	8.2E-04	3.2E-04	3.2E-04	3.8E-04
HHR42	1.1E-03	1.1E-03	1.1E-03	7.1E-04	7.1E-04	7.6E-04
HHR43	9.2E-03	9.2E-03	9.3E-03	4.3E-03	4.3E-03	4.4E-03
HHR44	7.4E-03	7.4E-03	7.5E-03	3.7E-03	3.7E-03	3.8E-03
HHR45	7.3E-04	7.3E-04	7.4E-04	2.1E-04	2.1E-04	2.2E-04
HHR46	2.0E-03	2.0E-03	2.0E-03	5.1E-04	5.1E-04	5.5E-04
HHR47	2.4E-03	2.4E-03	2.4E-03	6.5E-04	6.5E-04	6.9E-04
HHR48	5.9E-04	5.9E-04	6.4E-04	2.5E-04	2.5E-04	2.8E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.9E-03	1.9E-03	1.9E-03	4.5E-04	4.5E-04	4.9E-04
HHR50	2.6E-03	2.6E-03	2.6E-03	7.2E-04	7.2E-04	7.6E-04
HHR51	1.7E-03	1.7E-03	1.7E-03	3.8E-04	3.8E-04	4.1E-04
HHR52	2.6E-03	2.6E-03	2.7E-03	1.3E-03	1.3E-03	1.4E-03
HHR53	3.2E-03	3.2E-03	3.2E-03	7.8E-04	7.8E-04	8.3E-04
HHR54	3.0E-03	3.0E-03	3.1E-03	1.4E-03	1.4E-03	1.5E-03
HHR55	2.5E-03	2.5E-03	2.5E-03	7.6E-04	7.6E-04	8.1E-04
HHR56	4.4E-03	4.4E-03	4.4E-03	1.9E-03	1.9E-03	2.0E-03
HHR57	7.9E-03	7.9E-03	7.9E-03	3.1E-03	3.1E-03	3.2E-03
HHR58	1.4E-03	1.4E-03	1.4E-03	2.3E-04	2.3E-04	2.4E-04
HHR59	1.5E-03	1.5E-03	1.5E-03	2.2E-04	2.2E-04	2.4E-04
HHR60	2.1E-03	2.1E-03	2.1E-03	2.8E-04	2.8E-04	2.9E-04
HHR61	3.5E-02	3.5E-02	3.5E-02	1.1E-02	1.1E-02	1.1E-02
HHR62	6.6E-02	6.6E-02	6.6E-02	2.0E-02	2.0E-02	2.0E-02
HHR63	2.1E-02	2.1E-02	2.1E-02	9.0E-03	9.0E-03	9.1E-03
HHR64	1.0E-03	1.0E-03	1.1E-03	5.1E-04	5.1E-04	5.5E-04
HHR65	1.5E-02	1.5E-02	1.5E-02	6.4E-03	6.4E-03	6.5E-03
HHR66	9.4E-04	9.4E-04	9.5E-04	2.2E-04	2.2E-04	2.4E-04
HHR67	1.2E-03	1.2E-03	1.2E-03	3.1E-04	3.1E-04	3.5E-04
HHR68	1.8E-03	1.8E-03	1.8E-03	6.3E-04	6.3E-04	6.6E-04
HHR69	5.0E-04	5.0E-04	5.5E-04	2.1E-04	2.2E-04	2.4E-04
HHR70	6.2E-04	6.2E-04	6.6E-04	2.5E-04	2.6E-04	2.9E-04
HHR71	2.4E-03	2.4E-03	2.5E-03	2.0E-03	2.0E-03	2.1E-03
HHR72	6.4E-04	6.4E-04	6.5E-04	1.1E-04	1.2E-04	1.3E-04
HHR73	3.9E-03	3.9E-03	4.0E-03	1.6E-03	1.6E-03	1.6E-03
HHR74	1.5E-03	1.5E-03	1.6E-03	1.6E-03	1.6E-03	1.6E-03
HHR75	4.2E-03	4.2E-03	4.2E-03	2.8E-03	2.8E-03	2.9E-03
HHR76	2.8E-03	2.8E-03	2.8E-03	2.1E-03	2.1E-03	2.2E-03
HHR77	1.6E-03	1.6E-03	1.7E-03	1.1E-03	1.1E-03	1.2E-03
HHR78	1.2E-03	1.2E-03	1.2E-03	7.5E-04	7.5E-04	7.9E-04
HHR79	1.6E-03	1.6E-03	1.6E-03	1.4E-03	1.4E-03	1.4E-03
HHR80	1.6E-03	1.6E-03	1.6E-03	1.2E-03	1.2E-03	1.3E-03
HHR81	1.3E-03	1.3E-03	1.3E-03	9.4E-04	9.4E-04	9.9E-04
HHR82	1.3E-03	1.3E-03	1.3E-03	9.2E-04	9.2E-04	9.7E-04
HHR83	1.2E-03	1.2E-03	1.2E-03	9.0E-04	9.0E-04	9.5E-04
MPOI	3.8E-01	3.8E-01	3.8E-01	2.5E-01	2.5E-01	2.5E-01

Table M6.2-41: Inhalation Exposure Hazard Quotient for Xylene

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	4.3E-02	4.3E-02	4.3E-02	1.6E-02	1.6E-02	1.7E-02
HHR2	1.0E-01	1.0E-01	1.0E-01	2.9E-02	2.9E-02	2.9E-02
HHR3	1.9E-03	1.9E-03	1.9E-03	4.1E-04	4.1E-04	4.4E-04
HHR4	2.9E-02	2.9E-02	2.9E-02	9.4E-03	9.4E-03	9.5E-03
HHR5	7.2E-02	7.2E-02	7.2E-02	1.6E-02	1.6E-02	1.6E-02
HHR6	3.2E-03	3.2E-03	3.2E-03	9.5E-04	9.5E-04	1.0E-03
HHR7	1.1E-03	1.1E-03	1.1E-03	2.2E-04	2.2E-04	2.3E-04
HHR8	1.9E-02	1.9E-02	1.9E-02	7.4E-03	7.4E-03	7.6E-03
HHR9	2.3E-02	2.3E-02	2.3E-02	9.3E-03	9.3E-03	9.4E-03
HHR10	7.3E-03	7.3E-03	7.4E-03	1.8E-03	1.8E-03	2.0E-03
HHR11	4.6E-03	4.6E-03	4.6E-03	1.9E-03	1.9E-03	1.9E-03
HHR12	1.8E-02	1.8E-02	1.8E-02	6.4E-03	6.4E-03	6.6E-03
HHR13	5.2E-03	5.2E-03	5.2E-03	2.2E-03	2.2E-03	2.3E-03
HHR14	6.8E-02	6.8E-02	6.8E-02	1.8E-02	1.8E-02	1.8E-02
HHR15	1.1E-03	1.1E-03	1.1E-03	1.7E-04	1.7E-04	1.8E-04
HHR16	3.1E-03	3.1E-03	3.1E-03	1.3E-03	1.3E-03	1.4E-03
HHR17	1.3E-03	1.3E-03	1.4E-03	5.0E-04	5.0E-04	5.5E-04
HHR18	3.0E-03	3.0E-03	3.0E-03	2.2E-03	2.2E-03	2.3E-03
HHR19	3.2E-03	3.2E-03	3.3E-03	2.2E-03	2.2E-03	2.2E-03
HHR20	3.4E-03	3.4E-03	3.5E-03	2.4E-03	2.4E-03	2.5E-03
HHR21	4.9E-03	4.9E-03	5.0E-03	2.1E-03	2.1E-03	2.1E-03
HHR22	1.2E-02	1.2E-02	1.2E-02	3.4E-03	3.4E-03	3.5E-03
HHR23	2.1E-02	2.1E-02	2.1E-02	7.2E-03	7.2E-03	7.4E-03
HHR24	2.0E-02	2.0E-02	2.0E-02	7.0E-03	7.0E-03	7.2E-03
HHR25	8.2E-03	8.2E-03	8.2E-03	1.9E-03	1.9E-03	1.9E-03
HHR26	3.0E-03	3.0E-03	3.0E-03	5.7E-04	5.7E-04	6.0E-04
HHR27	3.3E-03	3.3E-03	3.3E-03	3.9E-04	3.9E-04	4.2E-04
HHR28	3.0E-03	3.0E-03	3.0E-03	5.1E-04	5.1E-04	5.4E-04
HHR29	8.8E-03	8.8E-03	8.9E-03	5.7E-03	5.7E-03	5.9E-03
HHR30	1.8E-02	1.8E-02	1.9E-02	4.5E-03	4.5E-03	4.8E-03
HHR31	2.2E-02	2.2E-02	2.2E-02	1.6E-02	1.6E-02	1.6E-02
HHR32	1.1E-02	1.1E-02	1.1E-02	7.7E-03	7.7E-03	7.9E-03
HHR33	1.3E-02	1.3E-02	1.3E-02	7.3E-03	7.3E-03	7.5E-03
HHR34	3.0E-03	3.0E-03	3.1E-03	1.3E-03	1.3E-03	1.4E-03
HHR35	8.7E-03	8.7E-03	8.7E-03	5.9E-03	5.9E-03	6.0E-03
HHR36	1.5E-02	1.5E-02	1.6E-02	6.8E-03	6.8E-03	6.9E-03
HHR37	4.9E-02	4.9E-02	4.9E-02	1.1E-02	1.1E-02	1.2E-02
HHR38	7.9E-03	7.9E-03	7.9E-03	4.1E-03	4.1E-03	4.3E-03
HHR39	1.5E-03	1.5E-03	1.6E-03	5.3E-04	5.3E-04	5.9E-04
HHR40	1.4E-03	1.4E-03	1.4E-03	4.9E-04	4.9E-04	5.4E-04
HHR41	1.6E-03	1.6E-03	1.6E-03	5.9E-04	5.9E-04	6.6E-04
HHR42	3.2E-03	3.2E-03	3.3E-03	1.3E-03	1.3E-03	1.4E-03
HHR43	3.0E-02	3.0E-02	3.0E-02	9.1E-03	9.1E-03	9.2E-03
HHR44	2.4E-02	2.4E-02	2.4E-02	7.7E-03	7.7E-03	7.8E-03
HHR45	2.3E-03	2.3E-03	2.4E-03	4.0E-04	4.0E-04	4.3E-04
HHR46	7.0E-03	7.0E-03	7.0E-03	1.0E-03	1.0E-03	1.1E-03
HHR47	8.1E-03	8.1E-03	8.1E-03	1.3E-03	1.3E-03	1.4E-03
HHR48	1.4E-03	1.4E-03	1.4E-03	4.7E-04	4.7E-04	5.2E-04

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	6.2E-03	6.2E-03	6.2E-03	9.2E-04	9.2E-04	9.7E-04
HHR50	8.6E-03	8.6E-03	8.6E-03	1.4E-03	1.4E-03	1.5E-03
HHR51	5.4E-03	5.4E-03	5.4E-03	7.7E-04	7.7E-04	8.1E-04
HHR52	8.6E-03	8.6E-03	8.7E-03	2.4E-03	2.4E-03	2.5E-03
HHR53	1.1E-02	1.1E-02	1.1E-02	1.6E-03	1.6E-03	1.6E-03
HHR54	9.5E-03	9.5E-03	9.7E-03	2.7E-03	2.7E-03	2.8E-03
HHR55	7.5E-03	7.5E-03	7.6E-03	1.5E-03	1.5E-03	1.6E-03
HHR56	1.5E-02	1.5E-02	1.5E-02	4.0E-03	4.0E-03	4.1E-03
HHR57	2.8E-02	2.8E-02	2.8E-02	7.2E-03	7.2E-03	7.3E-03
HHR58	4.7E-03	4.7E-03	4.8E-03	4.7E-04	4.7E-04	4.9E-04
HHR59	5.1E-03	5.1E-03	5.1E-03	4.6E-04	4.6E-04	4.8E-04
HHR60	7.2E-03	7.2E-03	7.2E-03	5.7E-04	5.7E-04	6.0E-04
HHR61	1.3E-01	1.3E-01	1.3E-01	2.9E-02	2.9E-02	2.9E-02
HHR62	2.4E-01	2.4E-01	2.4E-01	5.3E-02	5.3E-02	5.3E-02
HHR63	7.5E-02	7.5E-02	7.5E-02	2.2E-02	2.2E-02	2.2E-02
HHR64	2.2E-03	2.2E-03	2.2E-03	8.6E-04	8.6E-04	9.2E-04
HHR65	4.7E-02	4.7E-02	4.8E-02	1.4E-02	1.4E-02	1.4E-02
HHR66	3.2E-03	3.2E-03	3.3E-03	4.2E-04	4.2E-04	4.5E-04
HHR67	4.0E-03	4.0E-03	4.0E-03	6.0E-04	6.1E-04	6.4E-04
HHR68	6.1E-03	6.1E-03	6.1E-03	1.3E-03	1.3E-03	1.3E-03
HHR69	1.4E-03	1.4E-03	1.4E-03	4.1E-04	4.1E-04	4.5E-04
HHR70	1.5E-03	1.5E-03	1.5E-03	4.8E-04	4.8E-04	5.3E-04
HHR71	3.9E-03	3.9E-03	3.9E-03	2.8E-03	2.8E-03	2.9E-03
HHR72	2.2E-03	2.2E-03	2.2E-03	2.2E-04	2.2E-04	2.4E-04
HHR73	1.3E-02	1.3E-02	1.3E-02	3.3E-03	3.3E-03	3.4E-03
HHR74	2.9E-03	2.9E-03	2.9E-03	2.3E-03	2.3E-03	2.4E-03
HHR75	1.4E-02	1.4E-02	1.4E-02	5.3E-03	5.3E-03	5.4E-03
HHR76	8.8E-03	8.8E-03	8.8E-03	3.7E-03	3.7E-03	3.8E-03
HHR77	5.0E-03	5.0E-03	5.1E-03	2.0E-03	2.0E-03	2.0E-03
HHR78	2.5E-03	2.5E-03	2.5E-03	1.2E-03	1.2E-03	1.2E-03
HHR79	3.3E-03	3.3E-03	3.4E-03	2.1E-03	2.1E-03	2.2E-03
HHR80	5.1E-03	5.1E-03	5.1E-03	2.3E-03	2.3E-03	2.4E-03
HHR81	3.9E-03	3.9E-03	3.9E-03	1.7E-03	1.7E-03	1.8E-03
HHR82	4.0E-03	4.0E-03	4.0E-03	1.8E-03	1.8E-03	1.8E-03
HHR83	3.7E-03	3.7E-03	3.7E-03	1.7E-03	1.7E-03	1.7E-03
MPOI	1.4E+00	1.4E+00	1.4E+00	7.3E-01	7.3E-01	7.3E-01

Appendix M6.3

Criteria Air Contaminants

Table M6.3-1: Inhalation Exposure Hazard Quotient for Carbon Monoxide

Receptor Location	1 hr			8 hr		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	5.3E-02	5.3E-02	5.6E-02	8.4E-02	8.4E-02	9.1E-02
HHR2	5.1E-02	5.1E-02	5.6E-02	1.0E-01	1.0E-01	1.1E-01
HHR3	1.6E-02	1.6E-02	1.9E-02	1.5E-02	1.5E-02	2.1E-02
HHR4	6.1E-02	6.1E-02	6.3E-02	1.3E-01	1.3E-01	1.4E-01
HHR5	4.3E-02	4.3E-02	4.9E-02	8.6E-02	8.6E-02	9.9E-02
HHR6	2.5E-02	2.5E-02	2.7E-02	3.2E-02	3.2E-02	3.6E-02
HHR7	5.5E-03	5.5E-03	6.7E-03	9.9E-03	9.9E-03	1.2E-02
HHR8	7.6E-02	7.6E-02	8.0E-02	1.4E-01	1.4E-01	1.5E-01
HHR9	6.5E-02	6.5E-02	6.8E-02	1.1E-01	1.1E-01	1.2E-01
HHR10	2.3E-02	2.3E-02	2.7E-02	4.4E-02	4.5E-02	5.5E-02
HHR11	4.5E-02	4.5E-02	4.7E-02	9.2E-02	9.2E-02	9.8E-02
HHR12	9.2E-02	9.2E-02	9.8E-02	1.6E-01	1.6E-01	1.6E-01
HHR13	7.7E-02	7.7E-02	7.9E-02	1.5E-01	1.5E-01	1.5E-01
HHR14	4.1E-02	4.1E-02	4.4E-02	6.9E-02	6.9E-02	7.5E-02
HHR15	7.1E-03	8.3E-03	8.9E-03	7.0E-03	9.1E-03	9.4E-03
HHR16	1.9E-02	1.9E-02	2.4E-02	3.9E-02	3.9E-02	5.0E-02
HHR17	1.6E-02	1.6E-02	2.2E-02	2.6E-02	2.6E-02	3.7E-02
HHR18	5.9E-02	5.9E-02	6.2E-02	1.2E-01	1.2E-01	1.3E-01
HHR19	6.3E-02	6.3E-02	6.6E-02	1.2E-01	1.2E-01	1.2E-01
HHR20	6.9E-02	6.9E-02	7.1E-02	1.3E-01	1.3E-01	1.3E-01
HHR21	6.2E-02	6.2E-02	6.4E-02	1.2E-01	1.2E-01	1.3E-01
HHR22	3.3E-02	3.3E-02	3.5E-02	6.8E-02	6.8E-02	7.1E-02
HHR23	7.3E-02	7.3E-02	7.7E-02	1.4E-01	1.4E-01	1.4E-01
HHR24	7.9E-02	7.9E-02	8.3E-02	1.5E-01	1.5E-01	1.5E-01
HHR25	1.9E-02	1.9E-02	2.0E-02	2.6E-02	2.6E-02	3.2E-02
HHR26	1.1E-02	1.1E-02	1.3E-02	1.6E-02	1.6E-02	2.1E-02
HHR27	7.1E-03	8.5E-03	9.4E-03	1.3E-02	1.3E-02	1.7E-02
HHR28	9.9E-03	9.9E-03	1.3E-02	1.8E-02	1.8E-02	2.4E-02
HHR29	1.1E-01	1.1E-01	1.1E-01	2.0E-01	2.0E-01	2.1E-01
HHR30	2.9E-02	2.9E-02	3.6E-02	5.7E-02	5.7E-02	7.7E-02
HHR31	2.2E-01	2.2E-01	2.2E-01	4.4E-01	4.4E-01	4.4E-01
HHR32	1.7E-01	1.7E-01	1.7E-01	3.4E-01	3.4E-01	3.5E-01
HHR33	2.9E-01	2.9E-01	2.9E-01	5.1E-01	5.1E-01	5.2E-01
HHR34	1.9E-02	1.9E-02	2.2E-02	3.8E-02	3.8E-02	4.8E-02
HHR35	1.6E-01	1.6E-01	1.6E-01	3.0E-01	3.0E-01	3.1E-01
HHR36	1.4E-01	1.4E-01	1.4E-01	2.6E-01	2.6E-01	2.7E-01
HHR37	3.6E-02	3.6E-02	5.0E-02	7.1E-02	7.2E-02	1.1E-01
HHR38	6.4E-02	6.4E-02	6.6E-02	1.1E-01	1.1E-01	1.2E-01
HHR39	2.0E-02	2.0E-02	2.2E-02	3.0E-02	3.0E-02	3.9E-02
HHR40	1.6E-02	1.6E-02	2.1E-02	2.6E-02	2.6E-02	3.6E-02
HHR41	2.2E-02	2.2E-02	2.8E-02	3.3E-02	3.3E-02	4.5E-02
HHR42	2.1E-02	2.1E-02	2.6E-02	4.2E-02	4.3E-02	5.4E-02
HHR43	5.6E-02	5.6E-02	5.8E-02	1.2E-01	1.2E-01	1.3E-01
HHR44	6.6E-02	6.6E-02	6.9E-02	1.5E-01	1.5E-01	1.5E-01
HHR45	7.7E-03	7.7E-03	1.0E-02	1.5E-02	1.5E-02	2.0E-02
HHR46	1.3E-02	1.3E-02	1.7E-02	2.3E-02	2.3E-02	3.6E-02
HHR47	1.2E-02	1.2E-02	1.7E-02	2.6E-02	2.6E-02	3.9E-02
HHR48	1.6E-02	1.6E-02	2.0E-02	2.5E-02	2.5E-02	3.3E-02

Receptor Location	1 hr			8 hr		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	1.2E-02	1.2E-02	1.7E-02	2.0E-02	2.1E-02	3.2E-02
HHR50	1.3E-02	1.3E-02	1.7E-02	2.7E-02	2.7E-02	4.0E-02
HHR51	1.2E-02	1.2E-02	1.3E-02	1.8E-02	1.8E-02	2.7E-02
HHR52	7.6E-02	7.7E-02	8.0E-02	1.1E-01	1.2E-01	1.2E-01
HHR53	1.6E-02	1.6E-02	2.2E-02	3.1E-02	3.1E-02	5.0E-02
HHR54	5.3E-02	5.3E-02	5.6E-02	9.1E-02	9.1E-02	9.8E-02
HHR55	1.5E-02	1.5E-02	1.8E-02	2.9E-02	2.9E-02	3.9E-02
HHR56	2.4E-02	2.4E-02	2.9E-02	5.1E-02	5.2E-02	6.4E-02
HHR57	2.8E-02	2.8E-02	3.1E-02	5.8E-02	5.8E-02	6.7E-02
HHR58	1.0E-02	1.0E-02	1.2E-02	1.5E-02	1.5E-02	2.3E-02
HHR59	8.7E-03	8.7E-03	1.2E-02	1.5E-02	1.5E-02	2.3E-02
HHR60	1.0E-02	1.0E-02	1.4E-02	1.7E-02	1.7E-02	2.7E-02
HHR61	3.0E-02	3.0E-02	3.3E-02	5.8E-02	5.8E-02	6.5E-02
HHR62	3.0E-02	3.0E-02	3.3E-02	5.8E-02	5.8E-02	6.6E-02
HHR63	3.5E-02	3.5E-02	3.8E-02	6.0E-02	6.0E-02	6.6E-02
HHR64	3.6E-02	3.6E-02	3.7E-02	5.7E-02	5.8E-02	6.5E-02
HHR65	4.2E-02	4.2E-02	4.4E-02	7.5E-02	7.5E-02	8.1E-02
HHR66	7.4E-03	8.8E-03	9.1E-03	1.3E-02	1.3E-02	1.8E-02
HHR67	9.1E-03	9.1E-03	1.1E-02	1.6E-02	1.6E-02	2.1E-02
HHR68	1.4E-02	1.4E-02	1.5E-02	2.2E-02	2.2E-02	2.7E-02
HHR69	1.2E-02	1.2E-02	1.7E-02	2.0E-02	2.0E-02	2.7E-02
HHR70	1.7E-02	1.7E-02	2.0E-02	2.6E-02	2.6E-02	3.3E-02
HHR71	8.8E-02	8.8E-02	9.0E-02	1.8E-01	1.8E-01	1.8E-01
HHR72	5.3E-03	6.0E-03	6.5E-03	7.0E-03	7.0E-03	9.9E-03
HHR73	2.5E-02	2.6E-02	2.8E-02	5.1E-02	5.1E-02	5.5E-02
HHR74	6.0E-02	6.0E-02	6.3E-02	1.2E-01	1.2E-01	1.2E-01
HHR75	8.1E-02	8.1E-02	8.4E-02	1.4E-01	1.4E-01	1.5E-01
HHR76	8.1E-02	8.1E-02	8.2E-02	1.6E-01	1.6E-01	1.7E-01
HHR77	6.3E-02	6.3E-02	6.5E-02	1.2E-01	1.2E-01	1.2E-01
HHR78	3.8E-02	3.8E-02	4.1E-02	6.7E-02	6.8E-02	7.4E-02
HHR79	5.6E-02	5.6E-02	5.9E-02	1.0E-01	1.0E-01	1.1E-01
HHR80	4.2E-02	4.2E-02	4.5E-02	7.5E-02	7.5E-02	8.2E-02
HHR81	3.0E-02	3.0E-02	3.3E-02	6.1E-02	6.1E-02	6.8E-02
HHR82	2.6E-02	2.6E-02	2.9E-02	5.5E-02	5.5E-02	6.2E-02
HHR83	3.0E-02	3.0E-02	3.3E-02	5.8E-02	5.8E-02	6.6E-02
MPOI	5.3E-01	5.3E-01	5.3E-01	8.4E-01	8.4E-01	8.4E-01

Table M6.3-2: Inhalation Exposure Hazard Quotient for Nitrogen Dioxide

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	3.4E-01	3.4E-01	3.4E-01	6.0E-01	6.0E-01	6.4E-01
HHR2	4.5E-01	4.5E-01	4.5E-01	5.5E-01	5.5E-01	6.9E-01
HHR3	3.2E-01	3.2E-01	3.2E-01	1.5E-01	1.5E-01	2.0E-01
HHR4	4.5E-01	4.5E-01	4.6E-01	6.9E-01	6.9E-01	7.2E-01
HHR5	3.2E-01	3.2E-01	3.3E-01	4.7E-01	4.7E-01	6.0E-01
HHR6	3.0E-01	3.0E-01	3.0E-01	2.8E-01	2.9E-01	3.3E-01
HHR7	1.7E-01	1.7E-01	1.9E-01	4.6E-02	4.7E-02	6.3E-02
HHR8	4.1E-01	4.1E-01	4.1E-01	6.5E-01	6.5E-01	7.0E-01
HHR9	3.7E-01	3.7E-01	3.8E-01	6.3E-01	6.3E-01	6.7E-01
HHR10	2.7E-01	2.7E-01	2.8E-01	2.5E-01	2.5E-01	2.8E-01
HHR11	4.8E-01	4.8E-01	4.8E-01	5.9E-01	6.0E-01	6.2E-01
HHR12	5.2E-01	5.2E-01	5.3E-01	8.0E-01	8.0E-01	8.3E-01
HHR13	9.8E-01	9.8E-01	9.8E-01	9.0E-01	9.0E-01	9.2E-01
HHR14	3.4E-01	3.4E-01	3.5E-01	5.9E-01	5.9E-01	6.4E-01
HHR15	2.2E-01	2.2E-01	2.2E-01	6.2E-02	6.5E-02	8.4E-02
HHR16	3.0E-01	3.0E-01	3.0E-01	3.3E-01	3.4E-01	3.7E-01
HHR17	2.9E-01	2.9E-01	2.9E-01	1.5E-01	1.5E-01	2.0E-01
HHR18	5.0E-01	5.0E-01	5.0E-01	7.6E-01	7.6E-01	8.0E-01
HHR19	5.2E-01	5.2E-01	5.3E-01	7.8E-01	7.8E-01	8.0E-01
HHR20	5.5E-01	5.5E-01	5.6E-01	8.7E-01	8.7E-01	8.9E-01
HHR21	7.0E-01	7.0E-01	7.0E-01	7.4E-01	7.4E-01	7.6E-01
HHR22	3.3E-01	3.3E-01	3.4E-01	4.7E-01	4.7E-01	5.1E-01
HHR23	5.8E-01	5.8E-01	5.8E-01	8.2E-01	8.2E-01	8.5E-01
HHR24	5.3E-01	5.3E-01	5.3E-01	8.1E-01	8.1E-01	8.4E-01
HHR25	3.0E-01	3.0E-01	3.0E-01	3.0E-01	3.0E-01	3.4E-01
HHR26	2.7E-01	2.7E-01	2.8E-01	1.6E-01	1.7E-01	2.2E-01
HHR27	2.5E-01	2.5E-01	2.7E-01	1.2E-01	1.3E-01	1.8E-01
HHR28	2.4E-01	2.4E-01	2.5E-01	9.4E-02	9.5E-02	1.2E-01
HHR29	7.0E-01	7.0E-01	7.0E-01	8.2E-01	8.2E-01	9.3E-01
HHR30	2.8E-01	2.8E-01	2.9E-01	2.5E-01	2.6E-01	3.2E-01
HHR31	1.5E+00	1.5E+00	1.5E+00	1.6E+00	1.6E+00	1.7E+00
HHR32	1.2E+00	1.2E+00	1.2E+00	1.6E+00	1.6E+00	1.6E+00
HHR33	1.3E+00	1.3E+00	1.3E+00	1.2E+00	1.2E+00	1.2E+00
HHR34	2.9E-01	2.9E-01	2.9E-01	3.3E-01	3.3E-01	3.6E-01
HHR35	1.2E+00	1.2E+00	1.2E+00	1.5E+00	1.5E+00	1.5E+00
HHR36	6.9E-01	6.9E-01	6.9E-01	8.8E-01	8.8E-01	9.2E-01
HHR37	3.1E-01	3.1E-01	4.4E-01	3.4E-01	3.4E-01	9.1E-01
HHR38	4.4E-01	4.4E-01	4.4E-01	7.1E-01	7.1E-01	7.9E-01
HHR39	2.9E-01	2.9E-01	2.9E-01	1.6E-01	1.6E-01	2.2E-01
HHR40	2.9E-01	2.9E-01	2.9E-01	1.5E-01	1.5E-01	2.0E-01
HHR41	3.0E-01	3.0E-01	3.0E-01	1.8E-01	1.8E-01	2.5E-01
HHR42	3.1E-01	3.1E-01	3.1E-01	3.5E-01	3.5E-01	3.9E-01
HHR43	4.2E-01	4.2E-01	4.3E-01	6.5E-01	6.5E-01	6.8E-01
HHR44	5.4E-01	5.4E-01	5.4E-01	7.8E-01	7.8E-01	8.1E-01
HHR45	2.2E-01	2.2E-01	2.4E-01	6.9E-02	7.0E-02	8.7E-02
HHR46	2.9E-01	2.9E-01	2.9E-01	1.9E-01	1.9E-01	2.2E-01
HHR47	2.8E-01	2.8E-01	2.9E-01	2.3E-01	2.3E-01	2.6E-01
HHR48	2.9E-01	2.9E-01	2.9E-01	1.4E-01	1.4E-01	1.8E-01

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	2.8E-01	2.8E-01	2.9E-01	1.7E-01	1.7E-01	2.0E-01
HHR50	2.9E-01	2.9E-01	3.0E-01	2.4E-01	2.4E-01	2.7E-01
HHR51	2.7E-01	2.7E-01	2.9E-01	1.4E-01	1.4E-01	1.7E-01
HHR52	3.8E-01	3.8E-01	3.8E-01	4.0E-01	4.0E-01	4.3E-01
HHR53	3.1E-01	3.1E-01	3.2E-01	2.7E-01	2.7E-01	3.0E-01
HHR54	3.3E-01	3.3E-01	3.3E-01	4.0E-01	4.0E-01	4.3E-01
HHR55	3.0E-01	3.0E-01	3.0E-01	2.4E-01	2.4E-01	2.7E-01
HHR56	3.2E-01	3.2E-01	3.3E-01	3.9E-01	4.0E-01	4.3E-01
HHR57	3.1E-01	3.1E-01	3.1E-01	4.0E-01	4.0E-01	4.6E-01
HHR58	2.6E-01	2.6E-01	2.7E-01	1.1E-01	1.2E-01	1.4E-01
HHR59	2.6E-01	2.6E-01	2.7E-01	1.1E-01	1.2E-01	1.4E-01
HHR60	2.7E-01	2.7E-01	2.7E-01	1.3E-01	1.4E-01	1.6E-01
HHR61	3.6E-01	3.6E-01	3.6E-01	5.9E-01	5.9E-01	6.7E-01
HHR62	3.9E-01	3.9E-01	3.9E-01	8.1E-01	8.1E-01	8.6E-01
HHR63	3.4E-01	3.4E-01	3.4E-01	6.1E-01	6.1E-01	6.6E-01
HHR64	3.5E-01	3.5E-01	3.5E-01	2.6E-01	2.6E-01	3.1E-01
HHR65	3.3E-01	3.3E-01	3.3E-01	5.5E-01	5.6E-01	5.9E-01
HHR66	2.6E-01	2.6E-01	2.8E-01	1.3E-01	1.3E-01	1.8E-01
HHR67	2.7E-01	2.7E-01	2.9E-01	1.6E-01	1.6E-01	2.3E-01
HHR68	2.9E-01	2.9E-01	2.9E-01	2.4E-01	2.4E-01	2.7E-01
HHR69	2.7E-01	2.7E-01	2.7E-01	1.2E-01	1.2E-01	1.6E-01
HHR70	2.9E-01	2.9E-01	2.9E-01	1.4E-01	1.4E-01	1.9E-01
HHR71	5.9E-01	5.9E-01	5.9E-01	8.8E-01	8.8E-01	9.2E-01
HHR72	2.1E-01	2.1E-01	2.3E-01	7.6E-02	7.9E-02	1.0E-01
HHR73	3.1E-01	3.1E-01	3.1E-01	4.3E-01	4.3E-01	4.6E-01
HHR74	5.1E-01	5.1E-01	5.1E-01	8.3E-01	8.3E-01	8.5E-01
HHR75	5.1E-01	5.1E-01	5.1E-01	7.0E-01	7.0E-01	7.3E-01
HHR76	4.8E-01	4.8E-01	4.8E-01	9.3E-01	9.3E-01	9.5E-01
HHR77	8.1E-01	8.1E-01	8.1E-01	7.2E-01	7.2E-01	7.4E-01
HHR78	3.8E-01	3.8E-01	3.8E-01	4.3E-01	4.3E-01	4.7E-01
HHR79	4.8E-01	4.8E-01	4.9E-01	7.0E-01	7.0E-01	7.2E-01
HHR80	4.2E-01	4.2E-01	4.2E-01	5.0E-01	5.0E-01	5.3E-01
HHR81	3.4E-01	3.4E-01	3.4E-01	4.9E-01	4.9E-01	5.2E-01
HHR82	3.2E-01	3.2E-01	3.2E-01	4.6E-01	4.6E-01	4.9E-01
HHR83	3.5E-01	3.5E-01	3.5E-01	4.6E-01	4.6E-01	5.0E-01
MPOI	2.4E+00	2.4E+00	2.4E+00	2.1E+00	2.1E+00	2.1E+00

Table M6.3-3: Inhalation Exposure Hazard Quotient for Particulate Matter ($PM_{2.5}$)

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	6.3E-01	6.3E-01	7.0E-01	2.8E-01	2.8E-01	3.1E-01
HHR2	6.4E-01	6.4E-01	7.7E-01	2.9E-01	2.9E-01	3.4E-01
HHR3	1.2E-01	1.2E-01	1.4E-01	6.8E-02	6.8E-02	9.1E-02
HHR4	1.2E+00	1.2E+00	1.3E+00	5.1E-01	5.1E-01	5.3E-01
HHR5	5.5E-01	5.5E-01	6.4E-01	2.3E-01	2.3E-01	3.0E-01
HHR6	2.8E-01	2.8E-01	3.1E-01	1.2E-01	1.2E-01	1.4E-01
HHR7	7.2E-02	7.2E-02	9.0E-02	2.3E-02	2.3E-02	3.1E-02
HHR8	9.9E-01	9.9E-01	1.1E+00	3.9E-01	3.9E-01	4.2E-01
HHR9	8.4E-01	8.4E-01	9.1E-01	3.3E-01	3.3E-01	3.6E-01
HHR10	3.2E-01	3.2E-01	3.8E-01	1.8E-01	1.8E-01	2.1E-01
HHR11	7.8E-01	7.8E-01	8.1E-01	2.9E-01	2.9E-01	3.1E-01
HHR12	1.1E+00	1.1E+00	1.2E+00	5.8E-01	5.8E-01	6.1E-01
HHR13	1.4E+00	1.4E+00	1.4E+00	5.1E-01	5.1E-01	5.3E-01
HHR14	5.5E-01	5.5E-01	6.2E-01	2.4E-01	2.4E-01	2.8E-01
HHR15	6.6E-02	6.6E-02	8.3E-02	3.1E-02	3.1E-02	4.1E-02
HHR16	3.4E-01	3.4E-01	3.7E-01	1.3E-01	1.3E-01	1.4E-01
HHR17	1.9E-01	1.9E-01	2.4E-01	6.3E-02	6.3E-02	8.0E-02
HHR18	8.1E-01	8.1E-01	8.4E-01	3.7E-01	3.7E-01	4.0E-01
HHR19	8.2E-01	8.2E-01	8.5E-01	3.8E-01	3.8E-01	4.0E-01
HHR20	9.0E-01	9.0E-01	9.3E-01	4.4E-01	4.4E-01	4.6E-01
HHR21	1.1E+00	1.1E+00	1.1E+00	3.9E-01	3.9E-01	4.1E-01
HHR22	4.4E-01	4.4E-01	4.7E-01	2.2E-01	2.2E-01	2.4E-01
HHR23	1.3E+00	1.3E+00	1.4E+00	6.3E-01	6.3E-01	6.6E-01
HHR24	1.2E+00	1.2E+00	1.3E+00	6.1E-01	6.1E-01	6.4E-01
HHR25	2.6E-01	2.6E-01	2.9E-01	1.2E-01	1.2E-01	1.4E-01
HHR26	1.5E-01	1.5E-01	1.7E-01	7.5E-02	7.5E-02	9.8E-02
HHR27	1.2E-01	1.2E-01	1.4E-01	5.7E-02	5.8E-02	7.9E-02
HHR28	1.8E-01	1.8E-01	2.2E-01	4.6E-02	4.6E-02	6.1E-02
HHR29	1.6E+00	1.6E+00	1.7E+00	7.4E-01	7.4E-01	7.8E-01
HHR30	4.2E-01	4.2E-01	5.5E-01	1.2E-01	1.2E-01	1.6E-01
HHR31	3.6E+00	3.6E+00	3.7E+00	1.9E+00	1.9E+00	1.9E+00
HHR32	2.6E+00	2.6E+00	2.7E+00	1.5E+00	1.5E+00	1.5E+00
HHR33	2.9E+00	2.9E+00	2.9E+00	1.2E+00	1.2E+00	1.2E+00
HHR34	3.1E-01	3.1E-01	3.4E-01	1.2E-01	1.2E-01	1.4E-01
HHR35	2.4E+00	2.4E+00	2.4E+00	1.3E+00	1.3E+00	1.4E+00
HHR36	1.4E+00	1.4E+00	1.5E+00	6.9E-01	6.9E-01	7.2E-01
HHR37	5.1E-01	5.1E-01	8.7E-01	1.6E-01	1.6E-01	4.5E-01
HHR38	9.2E-01	9.2E-01	1.0E+00	4.7E-01	4.7E-01	5.1E-01
HHR39	2.2E-01	2.2E-01	2.6E-01	6.6E-02	6.6E-02	8.6E-02
HHR40	1.9E-01	1.9E-01	2.3E-01	6.1E-02	6.1E-02	7.9E-02
HHR41	2.4E-01	2.4E-01	2.9E-01	7.4E-02	7.4E-02	9.6E-02
HHR42	3.8E-01	3.8E-01	4.0E-01	1.3E-01	1.3E-01	1.5E-01
HHR43	1.0E+00	1.0E+00	1.1E+00	4.3E-01	4.3E-01	4.6E-01
HHR44	1.3E+00	1.3E+00	1.3E+00	6.5E-01	6.5E-01	6.8E-01
HHR45	1.4E-01	1.4E-01	1.8E-01	3.6E-02	3.6E-02	4.7E-02
HHR46	3.2E-01	3.2E-01	4.0E-01	9.2E-02	9.3E-02	1.2E-01
HHR47	3.3E-01	3.3E-01	4.1E-01	1.1E-01	1.1E-01	1.4E-01
HHR48	1.8E-01	1.8E-01	2.2E-01	5.8E-02	5.8E-02	7.5E-02

Receptor Location	1 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR49	3.0E-01	3.0E-01	3.8E-01	8.3E-02	8.4E-02	1.1E-01
HHR50	3.4E-01	3.4E-01	4.1E-01	1.2E-01	1.2E-01	1.4E-01
HHR51	2.6E-01	2.6E-01	3.4E-01	7.0E-02	7.0E-02	9.3E-02
HHR52	4.4E-01	4.4E-01	5.0E-01	2.2E-01	2.2E-01	2.5E-01
HHR53	4.3E-01	4.3E-01	5.4E-01	1.4E-01	1.4E-01	1.7E-01
HHR54	4.5E-01	4.5E-01	5.2E-01	2.2E-01	2.2E-01	2.5E-01
HHR55	3.3E-01	3.3E-01	4.0E-01	1.2E-01	1.2E-01	1.5E-01
HHR56	5.0E-01	5.0E-01	5.9E-01	2.1E-01	2.1E-01	2.4E-01
HHR57	4.5E-01	4.5E-01	5.0E-01	1.8E-01	1.8E-01	2.1E-01
HHR58	1.7E-01	1.7E-01	2.2E-01	4.8E-02	4.8E-02	6.0E-02
HHR59	1.7E-01	1.7E-01	2.2E-01	4.9E-02	4.9E-02	6.1E-02
HHR60	2.1E-01	2.1E-01	2.6E-01	5.7E-02	5.7E-02	7.1E-02
HHR61	5.1E-01	5.1E-01	5.8E-01	2.4E-01	2.4E-01	2.8E-01
HHR62	8.5E-01	8.5E-01	9.3E-01	4.3E-01	4.3E-01	4.7E-01
HHR63	5.7E-01	5.7E-01	6.5E-01	2.6E-01	2.6E-01	2.9E-01
HHR64	4.8E-01	4.8E-01	5.3E-01	1.2E-01	1.2E-01	1.4E-01
HHR65	5.9E-01	5.9E-01	6.5E-01	2.6E-01	2.6E-01	2.9E-01
HHR66	1.3E-01	1.3E-01	1.5E-01	5.9E-02	5.9E-02	8.2E-02
HHR67	1.6E-01	1.6E-01	1.9E-01	7.3E-02	7.4E-02	1.0E-01
HHR68	2.3E-01	2.3E-01	2.6E-01	1.0E-01	1.0E-01	1.2E-01
HHR69	1.5E-01	1.5E-01	1.8E-01	5.0E-02	5.0E-02	6.4E-02
HHR70	1.9E-01	1.9E-01	2.3E-01	5.8E-02	5.8E-02	7.6E-02
HHR71	1.5E+00	1.5E+00	1.5E+00	5.1E-01	5.1E-01	5.4E-01
HHR72	7.1E-02	7.1E-02	8.7E-02	3.7E-02	3.7E-02	4.8E-02
HHR73	3.6E-01	3.6E-01	3.9E-01	1.9E-01	1.9E-01	2.1E-01
HHR74	8.4E-01	8.4E-01	8.7E-01	4.1E-01	4.1E-01	4.3E-01
HHR75	8.4E-01	8.4E-01	8.8E-01	4.4E-01	4.4E-01	4.7E-01
HHR76	9.0E-01	9.0E-01	9.3E-01	4.4E-01	4.4E-01	4.6E-01
HHR77	1.2E+00	1.2E+00	1.2E+00	3.8E-01	3.8E-01	4.0E-01
HHR78	5.7E-01	5.7E-01	6.1E-01	1.9E-01	1.9E-01	2.1E-01
HHR79	7.5E-01	7.5E-01	7.8E-01	3.5E-01	3.5E-01	3.7E-01
HHR80	5.5E-01	5.5E-01	5.9E-01	2.3E-01	2.3E-01	2.5E-01
HHR81	4.1E-01	4.1E-01	4.4E-01	1.9E-01	1.9E-01	2.1E-01
HHR82	3.8E-01	3.8E-01	4.1E-01	1.8E-01	1.8E-01	2.0E-01
HHR83	4.1E-01	4.1E-01	4.4E-01	1.8E-01	1.8E-01	2.0E-01
MPOI	5.8E+00	5.8E+00	5.9E+00	2.5E+00	2.5E+00	2.6E+00

Table M6.3-4: Inhalation Exposure Hazard Quotient for Sulphur Dioxide

Receptor Location	10 min			1 hr			24 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR1	1.5E+00	1.5E+00	1.5E+00	9.8E-01	9.8E-01	9.8E-01	4.2E-01	4.2E-01	4.3E-01	2.4E-01	2.4E-01	2.5E-01
HHR2	1.1E+00	1.1E+00	1.1E+00	7.3E-01	7.4E-01	7.4E-01	5.2E-01	5.2E-01	5.2E-01	3.1E-01	3.2E-01	3.2E-01
HHR3	5.7E-01	5.7E-01	5.7E-01	3.8E-01	3.8E-01	3.9E-01	3.3E-01	3.3E-01	3.3E-01	2.2E-01	2.2E-01	2.4E-01
HHR4	1.1E+00	1.1E+00	1.1E+00	7.2E-01	7.2E-01	7.2E-01	3.2E-01	3.2E-01	3.2E-01	2.4E-01	2.4E-01	2.5E-01
HHR5	9.7E-01	9.7E-01	9.7E-01	6.5E-01	6.5E-01	6.5E-01	4.5E-01	4.5E-01	4.5E-01	2.9E-01	2.9E-01	3.0E-01
HHR6	3.9E-01	3.9E-01	3.9E-01	2.6E-01	2.6E-01	2.6E-01	2.3E-01	2.3E-01	2.3E-01	1.7E-01	1.8E-01	1.9E-01
HHR7	1.8E-01	1.8E-01	1.8E-01	1.2E-01	1.2E-01	1.2E-01	8.7E-02	8.7E-02	9.0E-02	1.1E-01	1.1E-01	1.2E-01
HHR8	9.4E-01	9.4E-01	9.4E-01	6.3E-01	6.3E-01	6.4E-01	2.8E-01	2.8E-01	2.8E-01	1.9E-01	1.9E-01	2.0E-01
HHR9	1.4E+00	1.4E+00	1.4E+00	9.4E-01	9.4E-01	9.4E-01	3.5E-01	3.5E-01	3.6E-01	1.9E-01	1.9E-01	2.0E-01
HHR10	3.0E-01	3.0E-01	3.0E-01	2.0E-01	2.0E-01	2.0E-01	1.7E-01	1.7E-01	1.7E-01	1.3E-01	1.3E-01	1.5E-01
HHR11	2.8E-01	2.8E-01	2.8E-01	1.9E-01	1.9E-01	1.9E-01	1.7E-01	1.7E-01	1.8E-01	1.6E-01	1.6E-01	1.7E-01
HHR12	6.5E-01	6.5E-01	6.5E-01	4.4E-01	4.4E-01	4.4E-01	2.7E-01	2.7E-01	2.8E-01	2.3E-01	2.3E-01	2.4E-01
HHR13	2.9E-01	2.9E-01	2.9E-01	2.0E-01	2.0E-01	2.0E-01	2.2E-01	2.2E-01	2.3E-01	2.4E-01	2.4E-01	2.5E-01
HHR14	1.5E+00	1.5E+00	1.6E+00	1.0E+00	1.0E+00	1.0E+00	5.3E-01	5.3E-01	5.3E-01	3.6E-01	3.6E-01	3.7E-01
HHR15	3.1E-01	3.2E-01	3.2E-01	2.1E-01	2.2E-01	2.2E-01	2.5E-01	2.5E-01	2.6E-01	1.4E-01	1.5E-01	1.6E-01
HHR16	2.5E-01	2.5E-01	2.5E-01	1.7E-01	1.7E-01	1.7E-01	1.6E-01	1.6E-01	1.6E-01	8.4E-02	8.5E-02	9.3E-02
HHR17	2.0E-01	2.0E-01	2.0E-01	1.3E-01	1.3E-01	1.3E-01	1.5E-01	1.5E-01	1.5E-01	9.2E-02	9.3E-02	1.0E-01
HHR18	2.7E-01	2.7E-01	2.7E-01	1.8E-01	1.8E-01	1.8E-01	1.5E-01	1.5E-01	1.5E-01	1.5E-01	1.5E-01	1.6E-01
HHR19	2.3E-01	2.3E-01	2.3E-01	1.5E-01	1.5E-01	1.5E-01	1.6E-01	1.6E-01	1.6E-01	1.7E-01	1.7E-01	1.8E-01
HHR20	2.4E-01	2.4E-01	2.4E-01	1.6E-01	1.6E-01	1.6E-01	1.5E-01	1.5E-01	1.5E-01	1.8E-01	1.8E-01	1.9E-01
HHR21	2.9E-01	2.9E-01	2.9E-01	1.9E-01	1.9E-01	1.9E-01	2.0E-01	2.0E-01	2.0E-01	2.0E-01	2.0E-01	2.1E-01
HHR22	6.9E-01	6.9E-01	6.9E-01	4.7E-01	4.7E-01	4.7E-01	2.2E-01	2.2E-01	2.2E-01	1.8E-01	1.8E-01	1.9E-01
HHR23	9.0E-01	9.0E-01	9.0E-01	6.1E-01	6.1E-01	6.1E-01	2.8E-01	2.8E-01	2.8E-01	2.4E-01	2.4E-01	2.5E-01
HHR24	7.9E-01	7.9E-01	7.9E-01	5.3E-01	5.3E-01	5.3E-01	2.7E-01	2.7E-01	2.7E-01	2.4E-01	2.4E-01	2.5E-01
HHR25	4.6E-01	4.6E-01	4.6E-01	3.1E-01	3.1E-01	3.1E-01	2.8E-01	2.8E-01	2.8E-01	2.3E-01	2.4E-01	2.4E-01
HHR26	5.7E-01	5.7E-01	5.7E-01	3.9E-01	3.9E-01	3.9E-01	3.2E-01	3.2E-01	3.2E-01	2.2E-01	2.2E-01	2.4E-01
HHR27	4.4E-01	4.4E-01	4.5E-01	3.0E-01	3.0E-01	3.0E-01	3.1E-01	3.1E-01	3.1E-01	2.2E-01	2.3E-01	2.4E-01

Receptor Location	10 min			1 hr			24 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR28	2.4E-01	2.4E-01	3.1E-01	1.6E-01	1.6E-01	2.1E-01	1.5E-01	1.5E-01	1.7E-01	8.5E-02	8.7E-02	1.2E-01
HHR29	3.7E-01	3.7E-01	3.7E-01	2.5E-01	2.5E-01	2.5E-01	2.3E-01	2.3E-01	2.4E-01	2.4E-01	2.4E-01	2.5E-01
HHR30	6.6E-01	6.6E-01	6.6E-01	4.4E-01	4.4E-01	4.4E-01	2.9E-01	2.9E-01	2.9E-01	1.6E-01	1.7E-01	1.7E-01
HHR31	5.1E-01	5.1E-01	5.1E-01	3.4E-01	3.4E-01	3.4E-01	3.1E-01	3.2E-01	3.2E-01	3.7E-01	3.7E-01	3.8E-01
HHR32	5.2E-01	5.2E-01	5.3E-01	3.5E-01	3.5E-01	3.6E-01	3.5E-01	3.5E-01	3.5E-01	4.8E-01	4.9E-01	5.0E-01
HHR33	5.6E-01	5.6E-01	5.7E-01	3.8E-01	3.8E-01	3.8E-01	3.7E-01	3.7E-01	3.8E-01	3.6E-01	3.6E-01	3.7E-01
HHR34	2.4E-01	2.4E-01	2.4E-01	1.6E-01	1.6E-01	1.6E-01	1.8E-01	1.8E-01	1.8E-01	8.4E-02	8.5E-02	9.4E-02
HHR35	4.3E-01	4.3E-01	4.4E-01	2.9E-01	2.9E-01	2.9E-01	3.3E-01	3.3E-01	3.4E-01	4.5E-01	4.5E-01	4.6E-01
HHR36	6.2E-01	6.2E-01	6.3E-01	4.2E-01	4.2E-01	4.2E-01	2.5E-01	2.5E-01	2.6E-01	2.5E-01	2.5E-01	2.6E-01
HHR37	1.3E+00	1.3E+00	1.3E+00	9.1E-01	9.1E-01	9.1E-01	4.3E-01	4.3E-01	4.3E-01	2.2E-01	2.3E-01	2.4E-01
HHR38	3.4E-01	3.4E-01	3.4E-01	2.3E-01	2.3E-01	2.3E-01	2.0E-01	2.0E-01	2.0E-01	1.9E-01	1.9E-01	2.0E-01
HHR39	2.1E-01	2.1E-01	2.1E-01	1.4E-01	1.4E-01	1.4E-01	1.6E-01	1.6E-01	1.6E-01	1.1E-01	1.1E-01	1.1E-01
HHR40	2.1E-01	2.1E-01	2.1E-01	1.4E-01	1.4E-01	1.4E-01	1.5E-01	1.5E-01	1.5E-01	9.7E-02	9.8E-02	1.0E-01
HHR41	1.8E-01	1.9E-01	1.9E-01	1.2E-01	1.2E-01	1.2E-01	1.5E-01	1.5E-01	1.5E-01	9.3E-02	9.5E-02	1.0E-01
HHR42	2.6E-01	2.6E-01	2.6E-01	1.7E-01	1.7E-01	1.7E-01	1.6E-01	1.6E-01	1.6E-01	8.7E-02	8.9E-02	9.7E-02
HHR43	1.1E+00	1.1E+00	1.1E+00	7.5E-01	7.5E-01	7.5E-01	3.4E-01	3.4E-01	3.4E-01	2.3E-01	2.3E-01	2.4E-01
HHR44	1.2E+00	1.2E+00	1.2E+00	7.9E-01	7.9E-01	7.9E-01	3.3E-01	3.3E-01	3.4E-01	2.5E-01	2.5E-01	2.6E-01
HHR45	2.2E-01	2.2E-01	2.8E-01	1.5E-01	1.5E-01	1.9E-01	1.1E-01	1.1E-01	1.3E-01	7.3E-02	7.6E-02	9.9E-02
HHR46	5.0E-01	5.0E-01	5.0E-01	3.4E-01	3.4E-01	3.4E-01	3.3E-01	3.3E-01	3.3E-01	1.5E-01	1.5E-01	1.9E-01
HHR47	4.8E-01	4.8E-01	4.8E-01	3.2E-01	3.2E-01	3.2E-01	2.3E-01	2.3E-01	2.3E-01	1.8E-01	1.9E-01	2.1E-01
HHR48	2.1E-01	2.1E-01	2.1E-01	1.4E-01	1.4E-01	1.4E-01	1.4E-01	1.4E-01	1.4E-01	1.0E-01	1.0E-01	1.1E-01
HHR49	4.4E-01	4.4E-01	4.4E-01	2.9E-01	2.9E-01	3.0E-01	2.6E-01	2.6E-01	2.6E-01	1.4E-01	1.4E-01	1.8E-01
HHR50	6.6E-01	6.7E-01	6.7E-01	4.4E-01	4.5E-01	4.5E-01	2.5E-01	2.5E-01	2.5E-01	1.9E-01	1.9E-01	2.1E-01
HHR51	4.9E-01	4.9E-01	4.9E-01	3.3E-01	3.3E-01	3.3E-01	2.0E-01	2.0E-01	2.2E-01	1.4E-01	1.5E-01	1.8E-01
HHR52	4.8E-01	4.8E-01	4.8E-01	3.2E-01	3.2E-01	3.3E-01	2.3E-01	2.3E-01	2.3E-01	1.3E-01	1.3E-01	1.4E-01
HHR53	1.0E+00	1.0E+00	1.0E+00	6.9E-01	6.9E-01	6.9E-01	4.8E-01	4.8E-01	4.8E-01	2.7E-01	2.7E-01	3.0E-01
HHR54	6.4E-01	6.4E-01	6.4E-01	4.3E-01	4.3E-01	4.3E-01	2.5E-01	2.5E-01	2.5E-01	1.4E-01	1.4E-01	1.5E-01
HHR55	5.7E-01	5.8E-01	5.8E-01	3.9E-01	3.9E-01	3.9E-01	1.9E-01	1.9E-01	2.0E-01	1.5E-01	1.6E-01	1.7E-01
HHR56	5.5E-01	5.5E-01	5.6E-01	3.7E-01	3.7E-01	3.7E-01	2.5E-01	2.5E-01	2.5E-01	2.0E-01	2.0E-01	2.1E-01

Receptor Location	10 min			1 hr			24 hr			Chronic		
	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case	Baseline	Application	Planned Development Case
HHR57	7.1E-01	7.1E-01	7.1E-01	4.8E-01	4.8E-01	4.8E-01	3.1E-01	3.1E-01	3.1E-01	2.4E-01	2.4E-01	2.5E-01
HHR58	5.0E-01	5.0E-01	5.0E-01	3.4E-01	3.4E-01	3.4E-01	2.2E-01	2.3E-01	2.3E-01	1.9E-01	1.9E-01	2.1E-01
HHR59	5.1E-01	5.1E-01	5.1E-01	3.5E-01	3.5E-01	3.5E-01	2.7E-01	2.7E-01	2.7E-01	1.9E-01	2.0E-01	2.1E-01
HHR60	6.2E-01	6.3E-01	6.3E-01	4.2E-01	4.2E-01	4.2E-01	3.0E-01	3.0E-01	3.0E-01	2.1E-01	2.2E-01	2.3E-01
HHR61	2.1E+00	2.1E+00	2.1E+00	1.4E+00	1.4E+00	1.4E+00	5.6E-01	5.6E-01	5.6E-01	4.1E-01	4.1E-01	4.2E-01
HHR62	2.2E+00	2.2E+00	2.2E+00	1.5E+00	1.5E+00	1.5E+00	9.7E-01	9.7E-01	9.7E-01	5.1E-01	5.2E-01	5.3E-01
HHR63	1.6E+00	1.6E+00	1.6E+00	1.1E+00	1.1E+00	1.1E+00	5.1E-01	5.1E-01	5.1E-01	3.4E-01	3.4E-01	3.5E-01
HHR64	2.3E-01	2.3E-01	2.3E-01	1.5E-01	1.5E-01	1.5E-01	1.6E-01	1.6E-01	1.6E-01	1.2E-01	1.3E-01	1.3E-01
HHR65	1.3E+00	1.3E+00	1.3E+00	8.6E-01	8.6E-01	8.6E-01	3.4E-01	3.4E-01	3.5E-01	2.6E-01	2.6E-01	2.7E-01
HHR66	4.4E-01	4.4E-01	4.5E-01	3.0E-01	3.0E-01	3.0E-01	3.2E-01	3.2E-01	3.3E-01	2.2E-01	2.3E-01	2.5E-01
HHR67	6.8E-01	6.8E-01	6.8E-01	4.6E-01	4.6E-01	4.6E-01	3.6E-01	3.7E-01	3.7E-01	2.3E-01	2.4E-01	2.6E-01
HHR68	5.2E-01	5.2E-01	5.2E-01	3.5E-01	3.5E-01	3.5E-01	3.4E-01	3.4E-01	3.4E-01	2.3E-01	2.4E-01	2.4E-01
HHR69	1.9E-01	1.9E-01	1.9E-01	1.3E-01	1.3E-01	1.3E-01	1.5E-01	1.5E-01	1.5E-01	1.0E-01	1.0E-01	1.1E-01
HHR70	2.1E-01	2.1E-01	2.1E-01	1.4E-01	1.4E-01	1.4E-01	1.4E-01	1.5E-01	1.5E-01	1.1E-01	1.1E-01	1.1E-01
HHR71	2.6E-01	2.6E-01	2.6E-01	1.7E-01	1.7E-01	1.7E-01	1.5E-01	1.5E-01	1.5E-01	1.6E-01	1.6E-01	1.7E-01
HHR72	3.6E-01	3.6E-01	3.6E-01	2.4E-01	2.4E-01	2.4E-01	1.9E-01	1.9E-01	1.9E-01	1.5E-01	1.5E-01	1.6E-01
HHR73	7.3E-01	7.3E-01	7.3E-01	4.9E-01	4.9E-01	4.9E-01	2.8E-01	2.8E-01	2.8E-01	1.9E-01	2.0E-01	2.1E-01
HHR74	2.7E-01	2.7E-01	2.7E-01	1.8E-01	1.8E-01	1.8E-01	1.4E-01	1.5E-01	1.5E-01	1.6E-01	1.6E-01	1.7E-01
HHR75	5.6E-01	5.6E-01	5.6E-01	3.7E-01	3.7E-01	3.7E-01	2.6E-01	2.6E-01	2.6E-01	1.9E-01	1.9E-01	2.0E-01
HHR76	4.5E-01	4.5E-01	4.5E-01	3.0E-01	3.0E-01	3.1E-01	2.0E-01	2.0E-01	2.0E-01	1.6E-01	1.6E-01	1.7E-01
HHR77	2.8E-01	2.8E-01	2.8E-01	1.9E-01	1.9E-01	1.9E-01	2.0E-01	2.0E-01	2.0E-01	2.1E-01	2.1E-01	2.2E-01
HHR78	2.4E-01	2.4E-01	2.4E-01	1.6E-01	1.6E-01	1.6E-01	1.7E-01	1.7E-01	1.7E-01	1.4E-01	1.4E-01	1.5E-01
HHR79	2.5E-01	2.5E-01	2.5E-01	1.7E-01	1.7E-01	1.7E-01	1.6E-01	1.6E-01	1.6E-01	1.6E-01	1.6E-01	1.7E-01
HHR80	2.9E-01	2.9E-01	2.9E-01	2.0E-01	2.0E-01	2.0E-01	1.8E-01	1.8E-01	1.9E-01	1.3E-01	1.3E-01	1.4E-01
HHR81	3.0E-01	3.0E-01	3.0E-01	2.0E-01	2.0E-01	2.0E-01	1.6E-01	1.6E-01	1.7E-01	1.1E-01	1.1E-01	1.2E-01
HHR82	2.9E-01	2.9E-01	2.9E-01	1.9E-01	1.9E-01	2.0E-01	1.6E-01	1.6E-01	1.7E-01	1.0E-01	1.0E-01	1.1E-01
HHR83	2.8E-01	2.9E-01	2.9E-01	1.9E-01	1.9E-01	1.9E-01	1.6E-01	1.6E-01	1.6E-01	1.0E-01	1.0E-01	1.1E-01
MPOI	5.9E+00	5.9E+00	5.9E+00	4.0E+00	4.0E+00	4.0E+00	1.5E+00	1.5E+00	1.5E+00	1.2E+00	1.2E+00	1.2E+00

Appendix M6.4

Additive Effects

Table M6.4-1: Multimedia Exposure Hazard Index for Neurological Effects

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	1.8E+00	1.8E+00	1.8E+00
HHR2	1.8E+00	1.8E+00	1.8E+00
HHR3	1.8E+00	1.8E+00	1.8E+00
HHR4	1.8E+00	1.8E+00	1.8E+00
HHR5	1.8E+00	1.8E+00	1.8E+00
HHR6	1.8E+00	1.8E+00	1.8E+00
HHR7	1.8E+00	1.8E+00	1.8E+00
HHR8	1.8E+00	1.8E+00	1.8E+00
HHR9	1.8E+00	1.8E+00	1.8E+00
HHR10	1.8E+00	1.8E+00	1.8E+00
HHR11	1.8E+00	1.8E+00	1.8E+00
HHR12	1.8E+00	1.8E+00	1.8E+00
HHR13	1.8E+00	1.8E+00	1.8E+00
HHR14	1.8E+00	1.8E+00	1.8E+00
HHR15	1.8E+00	1.8E+00	1.8E+00
HHR16	1.8E+00	1.8E+00	1.8E+00
HHR17	1.8E+00	1.8E+00	1.8E+00
HHR18	1.8E+00	1.8E+00	1.8E+00
HHR19	1.8E+00	1.8E+00	1.8E+00
HHR20	1.8E+00	1.8E+00	1.8E+00
HHR21	1.8E+00	1.8E+00	1.8E+00
HHR22	1.8E+00	1.8E+00	1.8E+00
HHR23	1.8E+00	1.8E+00	1.8E+00
HHR24	1.8E+00	1.8E+00	1.8E+00
HHR25	1.8E+00	1.8E+00	1.8E+00
HHR26	1.8E+00	1.8E+00	1.8E+00
HHR27	1.8E+00	1.8E+00	1.8E+00
HHR28	1.8E+00	1.8E+00	1.8E+00
HHR29	1.8E+00	1.8E+00	1.8E+00
HHR30	1.8E+00	1.8E+00	1.8E+00
HHR31	1.8E+00	1.8E+00	1.8E+00
HHR32	1.8E+00	1.8E+00	1.8E+00
HHR33	1.8E+00	1.8E+00	1.8E+00
HHR34	1.8E+00	1.8E+00	1.8E+00
HHR35	1.8E+00	1.8E+00	1.8E+00
HHR36	1.8E+00	1.8E+00	1.8E+00
HHR37	1.8E+00	1.8E+00	1.8E+00
HHR38	1.8E+00	1.8E+00	1.8E+00
HHR39	1.8E+00	1.8E+00	1.8E+00
HHR40	1.8E+00	1.8E+00	1.8E+00
HHR41	1.8E+00	1.8E+00	1.8E+00
HHR42	1.8E+00	1.8E+00	1.8E+00
HHR43	1.8E+00	1.8E+00	1.8E+00
HHR44	1.8E+00	1.8E+00	1.8E+00

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR45	1.8E+00	1.8E+00	1.8E+00
HHR46	1.8E+00	1.8E+00	1.8E+00
HHR47	1.8E+00	1.8E+00	1.8E+00
HHR48	1.8E+00	1.8E+00	1.8E+00
HHR49	1.8E+00	1.8E+00	1.8E+00
HHR50	1.8E+00	1.8E+00	1.8E+00
HHR51	1.8E+00	1.8E+00	1.8E+00
HHR52	1.8E+00	1.8E+00	1.8E+00
HHR53	1.8E+00	1.8E+00	1.8E+00
HHR54	1.8E+00	1.8E+00	1.8E+00
HHR55	1.8E+00	1.8E+00	1.8E+00
HHR56	1.8E+00	1.8E+00	1.8E+00
HHR57	1.8E+00	1.8E+00	1.8E+00
HHR58	1.8E+00	1.8E+00	1.8E+00
HHR59	1.8E+00	1.8E+00	1.8E+00
HHR60	1.8E+00	1.8E+00	1.8E+00
HHR61	1.8E+00	1.8E+00	1.8E+00
HHR62	1.8E+00	1.8E+00	1.8E+00
HHR63	1.8E+00	1.8E+00	1.8E+00
HHR64	1.8E+00	1.8E+00	1.8E+00
HHR65	1.8E+00	1.8E+00	1.8E+00
HHR66	1.8E+00	1.8E+00	1.8E+00
HHR67	1.8E+00	1.8E+00	1.8E+00
HHR68	1.8E+00	1.8E+00	1.8E+00
HHR69	1.8E+00	1.8E+00	1.8E+00
HHR70	1.8E+00	1.8E+00	1.8E+00
HHR71	1.8E+00	1.8E+00	1.8E+00
HHR72	1.8E+00	1.8E+00	1.8E+00
HHR73	1.8E+00	1.8E+00	1.8E+00
HHR74	1.8E+00	1.8E+00	1.8E+00
HHR75	1.8E+00	1.8E+00	1.8E+00
HHR76	1.8E+00	1.8E+00	1.8E+00
HHR77	1.8E+00	1.8E+00	1.8E+00
HHR78	1.8E+00	1.8E+00	1.8E+00
HHR79	1.8E+00	1.8E+00	1.8E+00
HHR80	1.8E+00	1.8E+00	1.8E+00
HHR81	1.8E+00	1.8E+00	1.8E+00
HHR82	1.8E+00	1.8E+00	1.8E+00
HHR83	1.8E+00	1.8E+00	1.8E+00
MPOI	1.9E+00	1.9E+00	2.4E+00

Note:
[1] Combined effect from aluminium, arsenic and manganese.

Table M6.4-2: Multimedia Exposure Hazard Index for Reproductive Effects

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	2.0E-01	2.0E-01	2.0E-01
HHR2	2.0E-01	2.0E-01	2.0E-01
HHR3	2.0E-01	2.0E-01	2.0E-01
HHR4	2.0E-01	2.0E-01	2.0E-01
HHR5	2.0E-01	2.0E-01	2.0E-01
HHR6	2.0E-01	2.0E-01	2.0E-01
HHR7	2.0E-01	2.0E-01	2.0E-01
HHR8	2.0E-01	2.0E-01	2.0E-01
HHR9	2.0E-01	2.0E-01	2.0E-01
HHR10	2.1E-01	2.1E-01	2.1E-01
HHR11	2.0E-01	2.0E-01	2.0E-01
HHR12	2.0E-01	2.0E-01	2.0E-01
HHR13	2.0E-01	2.0E-01	2.0E-01
HHR14	2.0E-01	2.0E-01	2.0E-01
HHR15	2.0E-01	2.0E-01	2.0E-01
HHR16	2.0E-01	2.0E-01	2.0E-01
HHR17	2.0E-01	2.0E-01	2.0E-01
HHR18	2.0E-01	2.0E-01	2.0E-01
HHR19	2.0E-01	2.0E-01	2.0E-01
HHR20	2.0E-01	2.0E-01	2.0E-01
HHR21	2.0E-01	2.0E-01	2.0E-01
HHR22	2.0E-01	2.0E-01	2.0E-01
HHR23	2.0E-01	2.0E-01	2.0E-01
HHR24	2.0E-01	2.0E-01	2.0E-01
HHR25	2.0E-01	2.0E-01	2.0E-01
HHR26	2.0E-01	2.0E-01	2.0E-01
HHR27	2.0E-01	2.0E-01	2.0E-01
HHR28	2.0E-01	2.0E-01	2.0E-01
HHR29	2.0E-01	2.0E-01	2.0E-01
HHR30	2.0E-01	2.0E-01	2.0E-01
HHR31	2.0E-01	2.0E-01	2.0E-01
HHR32	2.0E-01	2.0E-01	2.0E-01
HHR33	2.0E-01	2.0E-01	2.0E-01
HHR34	2.0E-01	2.0E-01	2.0E-01
HHR35	2.0E-01	2.0E-01	2.0E-01
HHR36	2.0E-01	2.0E-01	2.0E-01
HHR37	2.0E-01	2.0E-01	2.0E-01
HHR38	2.0E-01	2.0E-01	2.0E-01
HHR39	2.0E-01	2.0E-01	2.0E-01
HHR40	2.0E-01	2.0E-01	2.0E-01
HHR41	2.0E-01	2.0E-01	2.0E-01
HHR42	2.0E-01	2.0E-01	2.0E-01
HHR43	2.0E-01	2.0E-01	2.0E-01
HHR44	2.0E-01	2.0E-01	2.0E-01
HHR45	2.0E-01	2.0E-01	2.0E-01
HHR46	2.0E-01	2.0E-01	2.0E-01
HHR47	2.0E-01	2.0E-01	2.0E-01
HHR48	2.0E-01	2.0E-01	2.0E-01
HHR49	2.0E-01	2.0E-01	2.0E-01

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR50	2.0E-01	2.0E-01	2.0E-01
HHR51	2.0E-01	2.0E-01	2.0E-01
HHR52	2.0E-01	2.0E-01	2.0E-01
HHR53	2.0E-01	2.0E-01	2.0E-01
HHR54	2.0E-01	2.0E-01	2.0E-01
HHR55	2.0E-01	2.0E-01	2.0E-01
HHR56	2.0E-01	2.0E-01	2.0E-01
HHR57	2.0E-01	2.0E-01	2.0E-01
HHR58	2.0E-01	2.0E-01	2.0E-01
HHR59	2.0E-01	2.0E-01	2.0E-01
HHR60	2.0E-01	2.0E-01	2.0E-01
HHR61	2.0E-01	2.0E-01	2.0E-01
HHR62	2.0E-01	2.0E-01	2.0E-01
HHR63	2.0E-01	2.0E-01	2.0E-01
HHR64	2.0E-01	2.0E-01	2.0E-01
HHR65	2.0E-01	2.0E-01	2.0E-01
HHR66	2.0E-01	2.0E-01	2.0E-01
HHR67	2.0E-01	2.0E-01	2.0E-01
HHR68	2.0E-01	2.0E-01	2.0E-01
HHR69	2.0E-01	2.0E-01	2.0E-01
HHR70	2.0E-01	2.0E-01	2.0E-01
HHR71	2.0E-01	2.0E-01	2.0E-01
HHR72	2.0E-01	2.0E-01	2.0E-01
HHR73	2.0E-01	2.0E-01	2.0E-01
HHR74	2.0E-01	2.0E-01	2.0E-01
HHR75	2.0E-01	2.0E-01	2.0E-01
HHR76	2.0E-01	2.0E-01	2.0E-01
HHR77	2.0E-01	2.0E-01	2.0E-01
HHR78	2.0E-01	2.0E-01	2.0E-01
HHR79	2.0E-01	2.0E-01	2.0E-01
HHR80	2.0E-01	2.0E-01	2.0E-01
HHR81	2.0E-01	2.0E-01	2.0E-01
HHR82	2.0E-01	2.0E-01	2.0E-01
HHR83	2.0E-01	2.0E-01	2.0E-01
MPOI	2.4E-01	2.7E-01	2.7E-01

Note:
[1] Combined effect from molybdenum and nickel.

Table M6.4-3: Multimedia Exposure Hazard Index for Renal Effects

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	1.5E-01	1.5E-01	1.5E-01
HHR2	1.5E-01	1.5E-01	1.5E-01
HHR3	1.4E-01	1.4E-01	1.4E-01
HHR4	1.6E-01	1.6E-01	1.6E-01
HHR5	1.5E-01	1.5E-01	1.5E-01
HHR6	1.4E-01	1.4E-01	1.4E-01
HHR7	1.4E-01	1.4E-01	1.4E-01
HHR8	1.5E-01	1.5E-01	1.5E-01
HHR9	1.5E-01	1.5E-01	1.5E-01
HHR10	1.4E-01	1.4E-01	1.4E-01
HHR11	1.5E-01	1.5E-01	1.5E-01
HHR12	1.6E-01	1.6E-01	1.6E-01
HHR13	1.6E-01	1.6E-01	1.6E-01
HHR14	1.5E-01	1.5E-01	1.5E-01
HHR15	1.4E-01	1.4E-01	1.4E-01
HHR16	1.4E-01	1.4E-01	1.4E-01
HHR17	1.4E-01	1.4E-01	1.4E-01
HHR18	1.5E-01	1.5E-01	1.5E-01
HHR19	1.5E-01	1.5E-01	1.5E-01
HHR20	1.6E-01	1.6E-01	1.6E-01
HHR21	1.5E-01	1.5E-01	1.5E-01
HHR22	1.4E-01	1.4E-01	1.5E-01
HHR23	1.6E-01	1.6E-01	1.6E-01
HHR24	1.6E-01	1.6E-01	1.6E-01
HHR25	1.4E-01	1.4E-01	1.4E-01
HHR26	1.4E-01	1.4E-01	1.4E-01
HHR27	1.4E-01	1.4E-01	1.4E-01
HHR28	1.4E-01	1.4E-01	1.4E-01
HHR29	1.7E-01	1.7E-01	1.7E-01
HHR30	1.4E-01	1.4E-01	1.4E-01
HHR31	2.2E-01	2.2E-01	2.2E-01
HHR32	2.0E-01	2.0E-01	2.0E-01
HHR33	1.9E-01	1.9E-01	1.9E-01
HHR34	1.4E-01	1.4E-01	1.4E-01
HHR35	1.9E-01	1.9E-01	2.0E-01
HHR36	1.7E-01	1.7E-01	1.7E-01
HHR37	1.4E-01	1.4E-01	1.6E-01
HHR38	1.6E-01	1.6E-01	1.6E-01
HHR39	1.4E-01	1.4E-01	1.4E-01
HHR40	1.4E-01	1.4E-01	1.4E-01
HHR41	1.4E-01	1.4E-01	1.4E-01
HHR42	1.4E-01	1.4E-01	1.4E-01
HHR43	1.5E-01	1.5E-01	1.6E-01
HHR44	1.6E-01	1.6E-01	1.7E-01
HHR45	1.4E-01	1.4E-01	1.4E-01
HHR46	1.4E-01	1.4E-01	1.4E-01
HHR47	1.4E-01	1.4E-01	1.4E-01
HHR48	1.4E-01	1.4E-01	1.4E-01
HHR49	1.4E-01	1.4E-01	1.4E-01

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR50	1.4E-01	1.4E-01	1.4E-01
HHR51	1.4E-01	1.4E-01	1.4E-01
HHR52	1.5E-01	1.5E-01	1.5E-01
HHR53	1.4E-01	1.4E-01	1.4E-01
HHR54	1.5E-01	1.5E-01	1.5E-01
HHR55	1.4E-01	1.4E-01	1.4E-01
HHR56	1.5E-01	1.5E-01	1.5E-01
HHR57	1.4E-01	1.4E-01	1.5E-01
HHR58	1.4E-01	1.4E-01	1.4E-01
HHR59	1.4E-01	1.4E-01	1.4E-01
HHR60	1.4E-01	1.4E-01	1.4E-01
HHR61	1.5E-01	1.5E-01	1.5E-01
HHR62	1.6E-01	1.6E-01	1.6E-01
HHR63	1.5E-01	1.5E-01	1.5E-01
HHR64	1.4E-01	1.4E-01	1.4E-01
HHR65	1.5E-01	1.5E-01	1.5E-01
HHR66	1.4E-01	1.4E-01	1.4E-01
HHR67	1.4E-01	1.4E-01	1.4E-01
HHR68	1.4E-01	1.4E-01	1.4E-01
HHR69	1.4E-01	1.4E-01	1.4E-01
HHR70	1.4E-01	1.4E-01	1.4E-01
HHR71	1.6E-01	1.6E-01	1.6E-01
HHR72	1.4E-01	1.4E-01	1.4E-01
HHR73	1.4E-01	1.4E-01	1.4E-01
HHR74	1.5E-01	1.5E-01	1.5E-01
HHR75	1.5E-01	1.5E-01	1.6E-01
HHR76	1.5E-01	1.5E-01	1.6E-01
HHR77	1.5E-01	1.5E-01	1.5E-01
HHR78	1.4E-01	1.4E-01	1.5E-01
HHR79	1.5E-01	1.5E-01	1.5E-01
HHR80	1.5E-01	1.5E-01	1.5E-01
HHR81	1.4E-01	1.4E-01	1.4E-01
HHR82	1.4E-01	1.4E-01	1.4E-01
HHR83	1.4E-01	1.4E-01	1.4E-01
MPOI	3.0E-01	3.0E-01	3.0E-01

Note:
[1] Combined effect from barium, cadmium and C_{17}-C_{34} Aromatics.

Table M6.4-4: Multimedia Exposure Hazard Index for Digestive Tract Effects

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	1.6E+00	1.6E+00	1.6E+00
HHR2	1.6E+00	1.6E+00	1.6E+00
HHR3	1.6E+00	1.6E+00	1.6E+00
HHR4	1.6E+00	1.6E+00	1.6E+00
HHR5	1.6E+00	1.6E+00	1.6E+00
HHR6	1.6E+00	1.6E+00	1.6E+00
HHR7	1.6E+00	1.6E+00	1.6E+00
HHR8	1.6E+00	1.6E+00	1.6E+00
HHR9	1.6E+00	1.6E+00	1.6E+00
HHR10	1.6E+00	1.6E+00	1.6E+00
HHR11	1.6E+00	1.6E+00	1.6E+00
HHR12	1.6E+00	1.6E+00	1.6E+00
HHR13	1.6E+00	1.6E+00	1.6E+00
HHR14	1.6E+00	1.6E+00	1.6E+00
HHR15	1.6E+00	1.6E+00	1.6E+00
HHR16	1.6E+00	1.6E+00	1.6E+00
HHR17	1.6E+00	1.6E+00	1.6E+00
HHR18	1.6E+00	1.6E+00	1.6E+00
HHR19	1.6E+00	1.6E+00	1.6E+00
HHR20	1.6E+00	1.6E+00	1.6E+00
HHR21	1.6E+00	1.6E+00	1.6E+00
HHR22	1.6E+00	1.6E+00	1.6E+00
HHR23	1.6E+00	1.6E+00	1.6E+00
HHR24	1.6E+00	1.6E+00	1.6E+00
HHR25	1.6E+00	1.6E+00	1.6E+00
HHR26	1.6E+00	1.6E+00	1.6E+00
HHR27	1.6E+00	1.6E+00	1.6E+00
HHR28	1.6E+00	1.6E+00	1.6E+00
HHR29	1.6E+00	1.6E+00	1.6E+00
HHR30	1.6E+00	1.6E+00	1.6E+00
HHR31	1.6E+00	1.6E+00	1.6E+00
HHR32	1.6E+00	1.6E+00	1.6E+00
HHR33	1.6E+00	1.6E+00	1.6E+00
HHR34	1.6E+00	1.6E+00	1.6E+00
HHR35	1.6E+00	1.6E+00	1.6E+00
HHR36	1.6E+00	1.6E+00	1.6E+00
HHR37	1.6E+00	1.6E+00	1.6E+00
HHR38	1.6E+00	1.6E+00	1.6E+00
HHR39	1.6E+00	1.6E+00	1.6E+00
HHR40	1.6E+00	1.6E+00	1.6E+00
HHR41	1.6E+00	1.6E+00	1.6E+00
HHR42	1.6E+00	1.6E+00	1.6E+00
HHR43	1.6E+00	1.6E+00	1.6E+00
HHR44	1.6E+00	1.6E+00	1.6E+00
HHR45	1.6E+00	1.6E+00	1.6E+00
HHR46	1.6E+00	1.6E+00	1.6E+00
HHR47	1.6E+00	1.6E+00	1.6E+00
HHR48	1.6E+00	1.6E+00	1.6E+00
HHR49	1.6E+00	1.6E+00	1.6E+00

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR50	1.6E+00	1.6E+00	1.6E+00
HHR51	1.6E+00	1.6E+00	1.6E+00
HHR52	1.6E+00	1.6E+00	1.6E+00
HHR53	1.6E+00	1.6E+00	1.6E+00
HHR54	1.6E+00	1.6E+00	1.6E+00
HHR55	1.6E+00	1.6E+00	1.6E+00
HHR56	1.6E+00	1.6E+00	1.6E+00
HHR57	1.6E+00	1.6E+00	1.6E+00
HHR58	1.6E+00	1.6E+00	1.6E+00
HHR59	1.6E+00	1.6E+00	1.6E+00
HHR60	1.6E+00	1.6E+00	1.6E+00
HHR61	1.6E+00	1.6E+00	1.6E+00
HHR62	1.6E+00	1.6E+00	1.6E+00
HHR63	1.6E+00	1.6E+00	1.6E+00
HHR64	1.6E+00	1.6E+00	1.6E+00
HHR65	1.6E+00	1.6E+00	1.6E+00
HHR66	1.6E+00	1.6E+00	1.6E+00
HHR67	1.6E+00	1.6E+00	1.6E+00
HHR68	1.6E+00	1.6E+00	1.6E+00
HHR69	1.6E+00	1.6E+00	1.6E+00
HHR70	1.6E+00	1.6E+00	1.6E+00
HHR71	1.6E+00	1.6E+00	1.6E+00
HHR72	1.6E+00	1.6E+00	1.6E+00
HHR73	1.6E+00	1.6E+00	1.6E+00
HHR74	1.6E+00	1.6E+00	1.6E+00
HHR75	1.6E+00	1.6E+00	1.6E+00
HHR76	1.6E+00	1.6E+00	1.6E+00
HHR77	1.6E+00	1.6E+00	1.6E+00
HHR78	1.6E+00	1.6E+00	1.6E+00
HHR79	1.6E+00	1.6E+00	1.6E+00
HHR80	1.6E+00	1.6E+00	1.6E+00
HHR81	1.6E+00	1.6E+00	1.6E+00
HHR82	1.6E+00	1.6E+00	1.6E+00
HHR83	1.6E+00	1.6E+00	1.6E+00
MPOI	1.6E+00	1.6E+00	1.6E+00

Note:
[1] Combined effect from chromium, copper and selenium.

Table M6.4-5: Multimedia Exposure Hazard Index for Developmental Effects

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	8.9E-01	8.9E-01	8.9E-01
HHR2	8.9E-01	8.9E-01	8.9E-01
HHR3	8.9E-01	8.9E-01	8.9E-01
HHR4	8.9E-01	8.9E-01	8.9E-01
HHR5	8.8E-01	8.8E-01	8.9E-01
HHR6	8.9E-01	8.9E-01	8.9E-01
HHR7	8.8E-01	8.8E-01	8.8E-01
HHR8	8.8E-01	8.8E-01	8.9E-01
HHR9	8.8E-01	8.8E-01	8.9E-01
HHR10	9.0E-01	9.0E-01	9.0E-01
HHR11	8.9E-01	8.9E-01	8.9E-01
HHR12	8.9E-01	8.9E-01	8.9E-01
HHR13	8.9E-01	8.9E-01	8.9E-01
HHR14	8.9E-01	8.9E-01	8.9E-01
HHR15	8.8E-01	8.8E-01	8.8E-01
HHR16	8.8E-01	8.8E-01	8.9E-01
HHR17	8.8E-01	8.8E-01	8.9E-01
HHR18	8.8E-01	8.9E-01	8.9E-01
HHR19	8.9E-01	8.9E-01	8.9E-01
HHR20	8.9E-01	8.9E-01	8.9E-01
HHR21	8.9E-01	8.9E-01	8.9E-01
HHR22	8.9E-01	8.9E-01	8.9E-01
HHR23	8.9E-01	8.9E-01	8.9E-01
HHR24	8.9E-01	8.9E-01	8.9E-01
HHR25	8.9E-01	8.9E-01	8.9E-01
HHR26	8.9E-01	8.9E-01	8.9E-01
HHR27	8.8E-01	8.9E-01	8.9E-01
HHR28	8.8E-01	8.8E-01	8.8E-01
HHR29	8.8E-01	8.9E-01	8.9E-01
HHR30	8.8E-01	8.8E-01	8.9E-01
HHR31	8.9E-01	8.9E-01	8.9E-01
HHR32	8.9E-01	8.9E-01	8.9E-01
HHR33	8.8E-01	8.9E-01	8.9E-01
HHR34	8.8E-01	8.8E-01	8.9E-01
HHR35	8.9E-01	8.9E-01	8.9E-01
HHR36	8.8E-01	8.9E-01	8.9E-01
HHR37	8.8E-01	8.8E-01	8.9E-01
HHR38	8.9E-01	8.9E-01	8.9E-01
HHR39	8.8E-01	8.8E-01	8.9E-01
HHR40	8.8E-01	8.8E-01	8.9E-01
HHR41	8.8E-01	8.9E-01	8.9E-01
HHR42	8.8E-01	8.8E-01	8.9E-01
HHR43	8.9E-01	8.9E-01	8.9E-01
HHR44	8.9E-01	8.9E-01	8.9E-01
HHR45	8.8E-01	8.8E-01	8.8E-01
HHR46	8.8E-01	8.8E-01	8.9E-01
HHR47	8.8E-01	8.9E-01	8.9E-01
HHR48	8.8E-01	8.8E-01	8.9E-01
HHR49	8.8E-01	8.8E-01	8.9E-01

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR50	8.9E-01	8.9E-01	8.9E-01
HHR51	8.8E-01	8.8E-01	8.9E-01
HHR52	8.9E-01	8.9E-01	8.9E-01
HHR53	8.9E-01	8.9E-01	8.9E-01
HHR54	8.9E-01	8.9E-01	8.9E-01
HHR55	8.9E-01	8.9E-01	8.9E-01
HHR56	8.8E-01	8.9E-01	8.9E-01
HHR57	8.8E-01	8.8E-01	8.9E-01
HHR58	8.8E-01	8.9E-01	8.9E-01
HHR59	8.8E-01	8.9E-01	8.9E-01
HHR60	8.8E-01	8.9E-01	8.9E-01
HHR61	8.8E-01	8.9E-01	8.9E-01
HHR62	8.9E-01	8.9E-01	8.9E-01
HHR63	8.9E-01	8.9E-01	8.9E-01
HHR64	8.9E-01	8.9E-01	8.9E-01
HHR65	8.9E-01	8.9E-01	8.9E-01
HHR66	8.8E-01	8.9E-01	8.9E-01
HHR67	8.9E-01	8.9E-01	8.9E-01
HHR68	8.9E-01	8.9E-01	8.9E-01
HHR69	8.8E-01	8.8E-01	8.9E-01
HHR70	8.8E-01	8.8E-01	8.9E-01
HHR71	8.9E-01	8.9E-01	8.9E-01
HHR72	8.8E-01	8.8E-01	8.9E-01
HHR73	8.9E-01	8.9E-01	8.9E-01
HHR74	8.8E-01	8.9E-01	8.9E-01
HHR75	8.9E-01	8.9E-01	8.9E-01
HHR76	8.9E-01	8.9E-01	8.9E-01
HHR77	8.9E-01	8.9E-01	8.9E-01
HHR78	8.9E-01	8.9E-01	8.9E-01
HHR79	8.9E-01	8.9E-01	8.9E-01
HHR80	8.8E-01	8.8E-01	8.9E-01
HHR81	8.8E-01	8.8E-01	8.9E-01
HHR82	8.8E-01	8.8E-01	8.9E-01
HHR83	8.8E-01	8.8E-01	8.9E-01
MPOI	9.2E-01	1.0E+00	1.0E+00

Note:
[1] Combined effect from cobalt and zinc.

Table M6.4-6: Acute Inhalation Exposure Hazard Index for Upper Respiratory Tract Irritants

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR1	8.9E-01	8.9E-01	9.3E-01
HHR2	8.2E-01	8.2E-01	8.9E-01
HHR3	1.2E-01	1.2E-01	1.4E-01
HHR4	1.0E+00	1.0E+00	1.1E+00
HHR5	5.3E-01	5.3E-01	5.9E-01
HHR6	5.5E-01	5.5E-01	5.8E-01
HHR7	6.1E-02	6.1E-02	6.9E-02
HHR8	1.3E+00	1.3E+00	1.4E+00
HHR9	1.1E+00	1.1E+00	1.1E+00
HHR10	2.6E-01	2.6E-01	3.2E-01
HHR11	7.3E-01	7.3E-01	7.5E-01
HHR12	1.5E+00	1.5E+00	1.5E+00
HHR13	1.3E+00	1.3E+00	1.3E+00
HHR14	6.9E-01	6.9E-01	7.3E-01
HHR15	6.7E-02	6.7E-02	7.1E-02
HHR16	3.8E-01	3.8E-01	4.2E-01
HHR17	2.9E-01	2.9E-01	3.8E-01
HHR18	1.3E+00	1.3E+00	1.4E+00
HHR19	1.4E+00	1.4E+00	1.4E+00
HHR20	1.5E+00	1.5E+00	1.6E+00
HHR21	1.0E+00	1.0E+00	1.0E+00
HHR22	5.4E-01	5.4E-01	5.6E-01
HHR23	1.2E+00	1.2E+00	1.3E+00
HHR24	1.3E+00	1.3E+00	1.3E+00
HHR25	3.1E-01	3.1E-01	3.3E-01
HHR26	2.2E-01	2.2E-01	2.4E-01
HHR27	1.2E-01	1.2E-01	1.3E-01
HHR28	8.8E-02	8.8E-02	1.1E-01
HHR29	1.6E+00	1.6E+00	1.7E+00
HHR30	4.5E-01	4.6E-01	6.1E-01
HHR31	5.2E+00	5.2E+00	5.2E+00
HHR32	2.4E+00	2.4E+00	2.4E+00
HHR33	4.7E+00	4.7E+00	4.7E+00
HHR34	3.3E-01	3.3E-01	3.7E-01
HHR35	2.1E+00	2.1E+00	2.1E+00
HHR36	2.2E+00	2.2E+00	2.2E+00
HHR37	5.6E-01	5.6E-01	9.2E-01
HHR38	1.0E+00	1.0E+00	1.0E+00
HHR39	3.5E-01	3.5E-01	3.8E-01
HHR40	2.9E-01	2.9E-01	3.6E-01
HHR41	3.9E-01	3.9E-01	4.5E-01
HHR42	4.3E-01	4.3E-01	4.7E-01
HHR43	9.3E-01	9.3E-01	9.6E-01
HHR44	1.1E+00	1.1E+00	1.1E+00
HHR45	7.5E-02	7.5E-02	9.4E-02
HHR46	1.4E-01	1.4E-01	1.7E-01
HHR47	1.8E-01	1.8E-01	1.9E-01
HHR48	2.7E-01	2.7E-01	3.3E-01

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR49	1.2E-01	1.2E-01	1.7E-01
HHR50	1.9E-01	1.9E-01	2.1E-01
HHR51	9.9E-02	9.9E-02	1.4E-01
HHR52	4.2E-01	4.2E-01	4.7E-01
HHR53	1.8E-01	1.8E-01	2.2E-01
HHR54	3.4E-01	3.4E-01	4.1E-01
HHR55	2.0E-01	2.0E-01	2.2E-01
HHR56	3.4E-01	3.4E-01	4.1E-01
HHR57	4.3E-01	4.3E-01	4.8E-01
HHR58	7.0E-02	7.0E-02	1.0E-01
HHR59	6.9E-02	6.9E-02	1.0E-01
HHR60	8.2E-02	8.2E-02	1.2E-01
HHR61	4.7E-01	4.7E-01	5.1E-01
HHR62	4.5E-01	4.6E-01	4.9E-01
HHR63	5.9E-01	5.9E-01	6.3E-01
HHR64	7.5E-01	7.5E-01	7.6E-01
HHR65	7.0E-01	7.1E-01	7.4E-01
HHR66	1.2E-01	1.2E-01	1.4E-01
HHR67	1.8E-01	1.8E-01	2.0E-01
HHR68	2.5E-01	2.5E-01	2.7E-01
HHR69	2.2E-01	2.2E-01	2.8E-01
HHR70	2.9E-01	2.9E-01	3.3E-01
HHR71	1.5E+00	1.5E+00	1.5E+00
HHR72	8.2E-02	8.2E-02	8.6E-02
HHR73	4.3E-01	4.3E-01	4.5E-01
HHR74	1.4E+00	1.4E+00	1.4E+00
HHR75	1.3E+00	1.3E+00	1.3E+00
HHR76	1.2E+00	1.2E+00	1.2E+00
HHR77	1.1E+00	1.1E+00	1.1E+00
HHR78	8.0E-01	8.0E-01	8.2E-01
HHR79	1.3E+00	1.3E+00	1.3E+00
HHR80	7.1E-01	7.1E-01	7.5E-01
HHR81	6.6E-01	6.6E-01	7.0E-01
HHR82	5.3E-01	5.3E-01	5.7E-01
HHR83	6.6E-01	6.6E-01	6.9E-01
MPOI	8.5E+00	8.5E+00	8.5E+00

Note:
[1] Combined effect from 1,3-butadiene, acetaldehyde, acrolein.

Table M6.4-7: Acute Inhalation Exposure Hazard Index for Lower Respiratory Tract Irritants

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR1	1.3E+00	1.3E+00	1.3E+00
HHR2	1.2E+00	1.2E+00	1.2E+00
HHR3	7.1E-01	7.1E-01	7.2E-01
HHR4	1.2E+00	1.2E+00	1.2E+00
HHR5	1.0E+00	1.0E+00	1.0E+00
HHR6	5.7E-01	5.7E-01	5.7E-01
HHR7	3.0E-01	3.0E-01	3.1E-01
HHR8	1.0E+00	1.0E+00	1.1E+00
HHR9	1.3E+00	1.3E+00	1.3E+00
HHR10	4.9E-01	4.9E-01	5.0E-01
HHR11	6.7E-01	6.7E-01	6.7E-01
HHR12	9.7E-01	9.7E-01	9.7E-01
HHR13	1.2E+00	1.2E+00	1.2E+00
HHR14	1.4E+00	1.4E+00	1.4E+00
HHR15	4.4E-01	4.4E-01	4.5E-01
HHR16	4.7E-01	4.7E-01	4.7E-01
HHR17	4.3E-01	4.3E-01	4.3E-01
HHR18	6.9E-01	6.9E-01	6.9E-01
HHR19	6.8E-01	6.8E-01	6.8E-01
HHR20	7.1E-01	7.1E-01	7.2E-01
HHR21	9.0E-01	9.0E-01	9.0E-01
HHR22	8.1E-01	8.1E-01	8.1E-01
HHR23	1.2E+00	1.2E+00	1.2E+00
HHR24	1.1E+00	1.1E+00	1.1E+00
HHR25	6.2E-01	6.2E-01	6.2E-01
HHR26	6.7E-01	6.7E-01	6.8E-01
HHR27	5.6E-01	5.6E-01	5.8E-01
HHR28	4.0E-01	4.1E-01	4.6E-01
HHR29	9.5E-01	9.5E-01	9.5E-01
HHR30	7.4E-01	7.4E-01	7.5E-01
HHR31	1.9E+00	1.9E+00	1.9E+00
HHR32	1.6E+00	1.6E+00	1.6E+00
HHR33	1.7E+00	1.7E+00	1.7E+00
HHR34	4.6E-01	4.6E-01	4.6E-01
HHR35	1.5E+00	1.5E+00	1.5E+00
HHR36	1.1E+00	1.1E+00	1.1E+00
HHR37	1.2E+00	1.2E+00	1.4E+00
HHR38	6.7E-01	6.7E-01	6.7E-01
HHR39	4.4E-01	4.4E-01	4.4E-01
HHR40	4.3E-01	4.4E-01	4.4E-01
HHR41	4.3E-01	4.3E-01	4.3E-01
HHR42	4.9E-01	4.9E-01	4.9E-01
HHR43	1.2E+00	1.2E+00	1.2E+00
HHR44	1.3E+00	1.3E+00	1.3E+00
HHR45	3.7E-01	3.7E-01	4.3E-01
HHR46	6.4E-01	6.4E-01	6.4E-01
HHR47	6.2E-01	6.2E-01	6.2E-01
HHR48	4.3E-01	4.3E-01	4.4E-01

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR49	5.9E-01	5.9E-01	6.0E-01
HHR50	7.5E-01	7.6E-01	7.7E-01
HHR51	6.2E-01	6.2E-01	6.4E-01
HHR52	7.2E-01	7.2E-01	7.2E-01
HHR53	1.0E+00	1.0E+00	1.0E+00
HHR54	7.7E-01	7.7E-01	7.8E-01
HHR55	7.0E-01	7.0E-01	7.1E-01
HHR56	7.2E-01	7.2E-01	7.3E-01
HHR57	8.2E-01	8.2E-01	8.2E-01
HHR58	6.1E-01	6.1E-01	6.2E-01
HHR59	6.2E-01	6.2E-01	6.3E-01
HHR60	7.0E-01	7.1E-01	7.1E-01
HHR61	1.8E+00	1.8E+00	1.8E+00
HHR62	1.9E+00	1.9E+00	1.9E+00
HHR63	1.5E+00	1.5E+00	1.5E+00
HHR64	5.0E-01	5.0E-01	5.0E-01
HHR65	1.2E+00	1.2E+00	1.2E+00
HHR66	5.7E-01	5.7E-01	5.9E-01
HHR67	7.4E-01	7.4E-01	7.6E-01
HHR68	6.5E-01	6.5E-01	6.5E-01
HHR69	4.0E-01	4.0E-01	4.0E-01
HHR70	4.3E-01	4.3E-01	4.3E-01
HHR71	7.7E-01	7.7E-01	7.7E-01
HHR72	4.6E-01	4.6E-01	4.8E-01
HHR73	8.1E-01	8.1E-01	8.1E-01
HHR74	7.0E-01	7.0E-01	7.0E-01
HHR75	8.9E-01	8.9E-01	8.9E-01
HHR76	7.9E-01	7.9E-01	7.9E-01
HHR77	1.0E+00	1.0E+00	1.0E+00
HHR78	5.5E-01	5.5E-01	5.5E-01
HHR79	6.5E-01	6.5E-01	6.6E-01
HHR80	6.2E-01	6.2E-01	6.2E-01
HHR81	5.5E-01	5.5E-01	5.5E-01
HHR82	5.2E-01	5.2E-01	5.2E-01
HHR83	5.4E-01	5.5E-01	5.5E-01
MPOI	6.4E+00	6.4E+00	6.5E+00

Note:
[1] Combined effect from copper, manganese, nickel, vanadium, NO_2 and SO_2.

Table M6.4-8: Acute Inhalation Exposure Hazard Index for Neurotoxicity

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR1	2.1E-01	2.1E-01	2.2E-01
HHR2	2.2E-01	2.2E-01	2.4E-01
HHR3	4.6E-02	4.6E-02	5.1E-02
HHR4	2.3E-01	2.3E-01	2.5E-01
HHR5	1.5E-01	1.5E-01	1.7E-01
HHR6	1.6E-01	1.6E-01	1.7E-01
HHR7	1.6E-02	1.6E-02	1.8E-02
HHR8	2.7E-01	2.7E-01	2.8E-01
HHR9	2.4E-01	2.4E-01	2.5E-01
HHR10	6.3E-02	6.4E-02	7.8E-02
HHR11	1.9E-01	1.9E-01	2.0E-01
HHR12	3.1E-01	3.1E-01	3.4E-01
HHR13	2.9E-01	2.9E-01	3.0E-01
HHR14	1.9E-01	1.9E-01	2.0E-01
HHR15	1.7E-02	1.7E-02	1.9E-02
HHR16	1.1E-01	1.1E-01	1.3E-01
HHR17	1.1E-01	1.1E-01	1.3E-01
HHR18	3.7E-01	3.7E-01	3.8E-01
HHR19	3.8E-01	3.8E-01	3.9E-01
HHR20	4.2E-01	4.2E-01	4.2E-01
HHR21	2.4E-01	2.4E-01	2.5E-01
HHR22	1.8E-01	1.8E-01	1.9E-01
HHR23	2.5E-01	2.5E-01	2.7E-01
HHR24	2.7E-01	2.7E-01	2.9E-01
HHR25	8.9E-02	8.9E-02	9.3E-02
HHR26	7.1E-02	7.1E-02	7.7E-02
HHR27	4.1E-02	4.1E-02	4.4E-02
HHR28	2.7E-02	2.7E-02	3.3E-02
HHR29	2.9E-01	2.9E-01	3.8E-01
HHR30	1.1E-01	1.1E-01	1.4E-01
HHR31	8.4E-01	8.4E-01	8.7E-01
HHR32	4.2E-01	4.2E-01	4.7E-01
HHR33	8.4E-01	8.4E-01	8.6E-01
HHR34	1.0E-01	1.0E-01	1.2E-01
HHR35	4.0E-01	4.0E-01	4.5E-01
HHR36	5.0E-01	5.0E-01	5.2E-01
HHR37	1.4E-01	1.4E-01	2.3E-01
HHR38	5.2E-01	5.2E-01	5.8E-01
HHR39	1.3E-01	1.3E-01	1.4E-01
HHR40	1.1E-01	1.1E-01	1.2E-01
HHR41	1.5E-01	1.5E-01	1.7E-01
HHR42	1.3E-01	1.3E-01	1.5E-01
HHR43	2.2E-01	2.2E-01	2.3E-01
HHR44	2.4E-01	2.4E-01	2.6E-01
HHR45	2.4E-02	2.4E-02	2.8E-02
HHR46	4.3E-02	4.3E-02	4.9E-02
HHR47	5.0E-02	5.0E-02	5.4E-02
HHR48	9.8E-02	9.8E-02	1.1E-01
HHR49	3.9E-02	4.0E-02	4.8E-02

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR50	5.4E-02	5.4E-02	5.7E-02
HHR51	3.5E-02	3.5E-02	4.2E-02
HHR52	9.6E-02	9.6E-02	1.1E-01
HHR53	5.7E-02	5.7E-02	6.3E-02
HHR54	8.2E-02	8.2E-02	9.9E-02
HHR55	5.6E-02	5.6E-02	6.1E-02
HHR56	9.1E-02	9.2E-02	1.1E-01
HHR57	1.1E-01	1.1E-01	1.3E-01
HHR58	2.7E-02	2.7E-02	3.5E-02
HHR59	2.7E-02	2.7E-02	3.5E-02
HHR60	3.3E-02	3.3E-02	4.1E-02
HHR61	1.6E-01	1.6E-01	1.7E-01
HHR62	2.0E-01	2.0E-01	2.1E-01
HHR63	1.7E-01	1.7E-01	1.8E-01
HHR64	2.2E-01	2.2E-01	2.2E-01
HHR65	1.8E-01	1.8E-01	1.9E-01
HHR66	4.3E-02	4.3E-02	4.8E-02
HHR67	5.9E-02	5.9E-02	6.4E-02
HHR68	7.1E-02	7.1E-02	7.5E-02
HHR69	7.5E-02	7.5E-02	8.9E-02
HHR70	1.0E-01	1.0E-01	1.2E-01
HHR71	4.7E-01	4.7E-01	4.8E-01
HHR72	2.1E-02	2.2E-02	2.4E-02
HHR73	1.4E-01	1.4E-01	1.4E-01
HHR74	3.8E-01	3.8E-01	3.9E-01
HHR75	2.8E-01	2.8E-01	2.9E-01
HHR76	3.1E-01	3.1E-01	3.2E-01
HHR77	2.4E-01	2.4E-01	2.5E-01
HHR78	2.5E-01	2.5E-01	2.6E-01
HHR79	3.4E-01	3.4E-01	3.5E-01
HHR80	2.1E-01	2.1E-01	2.3E-01
HHR81	1.9E-01	1.9E-01	2.1E-01
HHR82	1.6E-01	1.6E-01	1.8E-01
HHR83	1.9E-01	1.9E-01	2.1E-01
MPOI	3.2E+00	3.2E+00	5.0E+00

Note:
[1] Combined effect from arsenic, C_5-C_8-Aliphatics, benzene, hexane and toluene.

Table M6.4-9: Acute Inhalation Exposure Hazard Index for Occular Effects

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR1	9.2E-01	9.2E-01	9.3E-01
HHR2	2.1E+00	2.1E+00	2.2E+00
HHR3	6.1E-01	6.1E-01	6.2E-01
HHR4	7.2E-01	7.2E-01	7.2E-01
HHR5	7.8E-01	7.8E-01	7.9E-01
HHR6	2.0E-01	2.0E-01	3.0E-01
HHR7	3.6E-02	3.6E-02	3.9E-02
HHR8	6.0E-01	6.0E-01	6.1E-01
HHR9	6.2E-01	6.2E-01	6.3E-01
HHR10	1.8E-01	1.8E-01	1.9E-01
HHR11	2.7E-01	2.7E-01	2.7E-01
HHR12	5.8E-01	5.8E-01	5.9E-01
HHR13	4.1E-01	4.1E-01	4.2E-01
HHR14	1.2E+00	1.2E+00	1.2E+00
HHR15	4.1E-02	4.1E-02	4.9E-02
HHR16	1.4E-01	1.4E-01	1.6E-01
HHR17	1.3E-01	1.3E-01	1.5E-01
HHR18	3.7E-01	3.7E-01	3.8E-01
HHR19	3.9E-01	3.9E-01	4.0E-01
HHR20	4.2E-01	4.2E-01	4.3E-01
HHR21	3.4E-01	3.4E-01	3.5E-01
HHR22	2.9E-01	2.9E-01	3.0E-01
HHR23	5.8E-01	5.8E-01	5.9E-01
HHR24	5.8E-01	5.8E-01	5.9E-01
HHR25	2.1E-01	2.1E-01	2.2E-01
HHR26	1.3E-01	1.3E-01	1.8E-01
HHR27	8.2E-02	8.2E-02	1.1E-01
HHR28	6.6E-02	6.6E-02	7.6E-02
HHR29	4.9E-01	4.9E-01	5.0E-01
HHR30	3.3E-01	3.3E-01	3.6E-01
HHR31	1.7E+00	1.7E+00	1.7E+00
HHR32	7.0E-01	7.0E-01	7.2E-01
HHR33	1.3E+00	1.3E+00	1.3E+00
HHR34	1.3E-01	1.3E-01	1.4E-01
HHR35	5.9E-01	5.9E-01	6.1E-01
HHR36	7.3E-01	7.3E-01	7.5E-01
HHR37	6.0E-01	6.0E-01	6.9E-01
HHR38	6.3E-01	6.3E-01	6.5E-01
HHR39	1.5E-01	1.5E-01	1.7E-01
HHR40	1.3E-01	1.3E-01	1.5E-01
HHR41	1.7E-01	1.7E-01	1.9E-01
HHR42	1.6E-01	1.6E-01	1.7E-01
HHR43	7.1E-01	7.1E-01	7.2E-01
HHR44	6.3E-01	6.3E-01	6.5E-01
HHR45	5.2E-02	5.2E-02	6.2E-02
HHR46	1.1E-01	1.1E-01	1.2E-01
HHR47	1.2E-01	1.2E-01	1.3E-01
HHR48	1.2E-01	1.2E-01	1.4E-01

Receptor Location	Acute		
	Baseline	Application	Planned Development Case
HHR49	1.0E-01	1.0E-01	1.2E-01
HHR50	1.3E-01	1.3E-01	1.3E-01
HHR51	8.7E-02	8.7E-02	9.8E-02
HHR52	2.3E-01	2.3E-01	2.4E-01
HHR53	1.7E-01	1.7E-01	1.8E-01
HHR54	2.1E-01	2.1E-01	2.3E-01
HHR55	1.4E-01	1.4E-01	1.5E-01
HHR56	2.4E-01	2.4E-01	2.6E-01
HHR57	3.9E-01	3.9E-01	4.0E-01
HHR58	7.1E-02	7.2E-02	8.0E-02
HHR59	7.6E-02	7.6E-02	8.4E-02
HHR60	9.6E-02	9.6E-02	1.1E-01
HHR61	1.2E+00	1.2E+00	1.2E+00
HHR62	1.8E+00	1.8E+00	1.8E+00
HHR63	8.9E-01	8.9E-01	9.0E-01
HHR64	2.5E-01	2.5E-01	2.6E-01
HHR65	8.8E-01	8.8E-01	8.8E-01
HHR66	8.5E-02	8.5E-02	1.2E-01
HHR67	1.2E-01	1.2E-01	3.0E-01
HHR68	1.8E-01	1.8E-01	1.9E-01
HHR69	9.6E-02	9.6E-02	1.2E-01
HHR70	1.2E-01	1.2E-01	1.4E-01
HHR71	5.0E-01	5.0E-01	5.1E-01
HHR72	6.3E-02	6.3E-02	7.6E-02
HHR73	2.7E-01	2.7E-01	2.8E-01
HHR74	3.8E-01	3.8E-01	3.9E-01
HHR75	4.9E-01	4.9E-01	5.0E-01
HHR76	2.3E+00	2.3E+00	2.3E+00
HHR77	3.6E-01	3.6E-01	3.7E-01
HHR78	2.6E-01	2.6E-01	2.7E-01
HHR79	3.5E-01	3.5E-01	3.7E-01
HHR80	2.7E-01	2.7E-01	2.8E-01
HHR81	2.2E-01	2.2E-01	2.3E-01
HHR82	2.0E-01	2.0E-01	2.1E-01
HHR83	2.2E-01	2.2E-01	2.3E-01
MPOI	2.4E+01	2.4E+01	2.4E+01

Note:
[1] Combined effect from ethylbenzene, formaldehyde and H_2S.

Table M6.4-10: Chronic Inhalation Exposure Hazard Index for Upper Respiratory Tract Irritants

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	3.9E+00	3.9E+00	4.5E+00
HHR2	4.3E+00	4.3E+00	5.6E+00
HHR3	4.4E-01	4.5E-01	6.2E-01
HHR4	5.7E+00	5.7E+00	6.3E+00
HHR5	1.9E+00	1.9E+00	3.6E+00
HHR6	1.5E+00	1.5E+00	1.8E+00
HHR7	1.5E-01	1.6E-01	2.1E-01
HHR8	6.9E+00	6.9E+00	7.7E+00
HHR9	5.2E+00	5.2E+00	5.8E+00
HHR10	9.2E-01	9.2E-01	1.3E+00
HHR11	4.7E+00	4.7E+00	5.0E+00
HHR12	8.8E+00	8.8E+00	9.5E+00
HHR13	6.9E+00	6.9E+00	7.2E+00
HHR14	2.7E+00	2.7E+00	3.3E+00
HHR15	1.4E-01	1.5E-01	2.1E-01
HHR16	2.0E+00	2.0E+00	2.4E+00
HHR17	7.0E-01	7.1E-01	1.0E+00
HHR18	8.9E+00	8.9E+00	9.4E+00
HHR19	8.8E+00	8.8E+00	9.1E+00
HHR20	1.1E+01	1.1E+01	1.1E+01
HHR21	5.7E+00	5.7E+00	6.0E+00
HHR22	3.1E+00	3.1E+00	3.5E+00
HHR23	7.8E+00	7.8E+00	8.4E+00
HHR24	8.0E+00	8.1E+00	8.7E+00
HHR25	1.2E+00	1.2E+00	1.5E+00
HHR26	5.2E-01	5.4E-01	7.2E-01
HHR27	3.2E-01	3.4E-01	4.7E-01
HHR28	3.0E-01	3.0E-01	4.6E-01
HHR29	1.3E+01	1.3E+01	1.4E+01
HHR30	1.0E+00	1.1E+00	2.1E+00
HHR31	4.5E+01	4.5E+01	4.6E+01
HHR32	2.6E+01	2.6E+01	2.6E+01
HHR33	2.5E+01	2.5E+01	2.6E+01
HHR34	1.9E+00	1.9E+00	2.3E+00
HHR35	2.1E+01	2.1E+01	2.2E+01
HHR36	1.3E+01	1.3E+01	1.3E+01
HHR37	1.5E+00	1.5E+00	9.4E+00
HHR38	7.9E+00	7.9E+00	8.7E+00
HHR39	7.2E-01	7.2E-01	1.1E+00
HHR40	6.6E-01	6.7E-01	1.0E+00
HHR41	8.7E-01	8.7E-01	1.4E+00
HHR42	2.2E+00	2.2E+00	2.5E+00
HHR43	5.1E+00	5.1E+00	5.7E+00
HHR44	7.2E+00	7.3E+00	7.8E+00
HHR45	2.4E-01	2.5E-01	3.7E-01
HHR46	4.5E-01	4.6E-01	8.3E-01
HHR47	5.4E-01	5.5E-01	9.1E-01
HHR48	6.1E-01	6.1E-01	9.2E-01

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR49	4.1E-01	4.2E-01	7.5E-01
HHR50	5.9E-01	5.9E-01	9.5E-01
HHR51	3.7E-01	3.8E-01	6.4E-01
HHR52	2.2E+00	2.2E+00	2.7E+00
HHR53	5.5E-01	5.6E-01	1.1E+00
HHR54	2.2E+00	2.2E+00	2.6E+00
HHR55	6.7E-01	6.8E-01	1.0E+00
HHR56	1.1E+00	1.1E+00	1.7E+00
HHR57	1.2E+00	1.2E+00	2.0E+00
HHR58	2.7E-01	2.8E-01	4.1E-01
HHR59	2.7E-01	2.8E-01	4.1E-01
HHR60	3.2E-01	3.3E-01	4.9E-01
HHR61	1.5E+00	1.5E+00	2.4E+00
HHR62	1.8E+00	1.8E+00	2.5E+00
HHR63	2.3E+00	2.3E+00	2.9E+00
HHR64	1.5E+00	1.5E+00	1.8E+00
HHR65	3.2E+00	3.2E+00	3.7E+00
HHR66	3.4E-01	3.5E-01	4.9E-01
HHR67	4.9E-01	5.1E-01	7.4E-01
HHR68	9.3E-01	9.5E-01	1.2E+00
HHR69	4.9E-01	5.0E-01	7.3E-01
HHR70	6.1E-01	6.2E-01	9.4E-01
HHR71	9.8E+00	9.9E+00	1.0E+01
HHR72	1.9E-01	2.0E-01	2.8E-01
HHR73	2.3E+00	2.3E+00	2.7E+00
HHR74	9.8E+00	9.8E+00	1.0E+01
HHR75	7.3E+00	7.3E+00	7.9E+00
HHR76	1.0E+01	1.0E+01	1.1E+01
HHR77	5.2E+00	5.2E+00	5.5E+00
HHR78	3.1E+00	3.1E+00	3.4E+00
HHR79	8.1E+00	8.1E+00	8.5E+00
HHR80	3.6E+00	3.6E+00	4.0E+00
HHR81	3.5E+00	3.5E+00	3.9E+00
HHR82	3.0E+00	3.0E+00	3.3E+00
HHR83	3.2E+00	3.2E+00	3.6E+00
MPOI	6.7E+01	6.7E+01	6.8E+01

Note:

[1] Combined effect from 1,3-butadiene, acrolein, acetaldehyde, benzaldehyde, formaldehyde, hexane, H_2S, naphthalene and propylene.

Table M6.4-11: Chronic Inhalation Exposure Hazard Index for Lower Respiratory Tract Irritants

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	8.6E-01	8.6E-01	9.1E-01
HHR2	8.8E-01	8.9E-01	1.0E+00
HHR3	3.8E-01	3.9E-01	4.6E-01
HHR4	9.4E-01	9.5E-01	9.9E-01
HHR5	7.7E-01	7.7E-01	9.2E-01
HHR6	4.7E-01	4.8E-01	5.4E-01
HHR7	1.6E-01	1.6E-01	1.9E-01
HHR8	8.5E-01	8.5E-01	9.1E-01
HHR9	8.3E-01	8.4E-01	8.8E-01
HHR10	4.1E-01	4.2E-01	4.7E-01
HHR11	7.7E-01	7.7E-01	8.0E-01
HHR12	1.0E+00	1.0E+00	1.1E+00
HHR13	1.2E+00	1.2E+00	1.2E+00
HHR14	9.6E-01	9.7E-01	1.0E+00
HHR15	2.1E-01	2.2E-01	2.6E-01
HHR16	4.3E-01	4.3E-01	4.8E-01
HHR17	2.5E-01	2.5E-01	3.1E-01
HHR18	9.2E-01	9.3E-01	9.7E-01
HHR19	9.6E-01	9.6E-01	1.0E+00
HHR20	1.1E+00	1.1E+00	1.1E+00
HHR21	9.5E-01	9.5E-01	9.8E-01
HHR22	6.7E-01	6.7E-01	7.1E-01
HHR23	1.1E+00	1.1E+00	1.1E+00
HHR24	1.1E+00	1.1E+00	1.1E+00
HHR25	5.4E-01	5.5E-01	5.9E-01
HHR26	3.9E-01	4.1E-01	4.7E-01
HHR27	3.5E-01	3.7E-01	4.4E-01
HHR28	1.8E-01	1.9E-01	2.5E-01
HHR29	1.1E+00	1.1E+00	1.2E+00
HHR30	4.3E-01	4.3E-01	5.1E-01
HHR31	2.0E+00	2.0E+00	2.1E+00
HHR32	2.1E+00	2.1E+00	2.2E+00
HHR33	1.6E+00	1.6E+00	1.6E+00
HHR34	4.2E-01	4.2E-01	4.7E-01
HHR35	1.9E+00	2.0E+00	2.0E+00
HHR36	1.1E+00	1.1E+00	1.2E+00
HHR37	5.7E-01	5.7E-01	1.2E+00
HHR38	9.1E-01	9.1E-01	1.0E+00
HHR39	2.8E-01	2.8E-01	3.4E-01
HHR40	2.5E-01	2.6E-01	3.1E-01
HHR41	2.8E-01	2.9E-01	3.6E-01
HHR42	4.5E-01	4.5E-01	5.0E-01
HHR43	8.9E-01	8.9E-01	9.3E-01
HHR44	1.0E+00	1.1E+00	1.1E+00
HHR45	1.5E-01	1.5E-01	1.9E-01
HHR46	3.4E-01	3.5E-01	4.3E-01
HHR47	4.2E-01	4.3E-01	4.8E-01
HHR48	2.5E-01	2.5E-01	3.0E-01

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR49	3.2E-01	3.2E-01	3.9E-01
HHR50	4.4E-01	4.4E-01	4.9E-01
HHR51	2.9E-01	3.0E-01	3.6E-01
HHR52	5.5E-01	5.5E-01	5.9E-01
HHR53	5.5E-01	5.6E-01	6.2E-01
HHR54	5.5E-01	5.6E-01	6.0E-01
HHR55	4.0E-01	4.1E-01	4.5E-01
HHR56	6.0E-01	6.1E-01	6.5E-01
HHR57	6.5E-01	6.5E-01	7.2E-01
HHR58	3.1E-01	3.2E-01	3.6E-01
HHR59	3.1E-01	3.3E-01	3.6E-01
HHR60	3.5E-01	3.7E-01	4.1E-01
HHR61	1.0E+00	1.0E+00	1.1E+00
HHR62	1.3E+00	1.3E+00	1.4E+00
HHR63	9.7E-01	9.7E-01	1.0E+00
HHR64	4.0E-01	4.0E-01	4.6E-01
HHR65	8.3E-01	8.3E-01	8.8E-01
HHR66	3.6E-01	3.7E-01	4.5E-01
HHR67	4.1E-01	4.2E-01	5.1E-01
HHR68	4.8E-01	4.9E-01	5.4E-01
HHR69	2.3E-01	2.3E-01	2.8E-01
HHR70	2.6E-01	2.6E-01	3.2E-01
HHR71	1.1E+00	1.1E+00	1.1E+00
HHR72	2.3E-01	2.4E-01	2.8E-01
HHR73	6.4E-01	6.4E-01	6.9E-01
HHR74	1.0E+00	1.0E+00	1.0E+00
HHR75	9.1E-01	9.1E-01	9.5E-01
HHR76	1.1E+00	1.1E+00	1.1E+00
HHR77	9.4E-01	9.4E-01	9.8E-01
HHR78	5.8E-01	5.8E-01	6.3E-01
HHR79	8.6E-01	8.7E-01	9.0E-01
HHR80	6.4E-01	6.4E-01	6.9E-01
HHR81	6.0E-01	6.1E-01	6.5E-01
HHR82	5.7E-01	5.7E-01	6.1E-01
HHR83	5.8E-01	5.8E-01	6.2E-01
MPOI	3.4E+00	3.5E+00	3.6E+00

Note:
[1] Combined effect from ethylbenzene, fluoranthene, fluorene, aluminium, barium, cobalt, copper, molybdenum, nickel, vanadium, NO_2 and SO_2.

Table M6.4-12: Chronic Inhalation Exposure Hazard Index for Neurotoxicity

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	3.3E-02	3.3E-02	3.5E-02
HHR2	5.8E-02	5.8E-02	6.2E-02
HHR3	2.4E-03	2.4E-03	2.8E-03
HHR4	2.4E-02	2.4E-02	2.6E-02
HHR5	2.6E-02	2.6E-02	3.1E-02
HHR6	7.3E-03	7.3E-03	7.9E-03
HHR7	9.3E-04	9.4E-04	1.1E-03
HHR8	2.0E-02	2.0E-02	2.3E-02
HHR9	2.2E-02	2.2E-02	2.4E-02
HHR10	4.9E-03	4.9E-03	6.0E-03
HHR11	1.7E-02	1.7E-02	1.8E-02
HHR12	2.3E-02	2.3E-02	2.5E-02
HHR13	2.0E-02	2.0E-02	2.1E-02
HHR14	3.3E-02	3.3E-02	3.4E-02
HHR15	1.0E-03	1.0E-03	1.2E-03
HHR16	7.6E-03	7.6E-03	8.9E-03
HHR17	3.7E-03	3.7E-03	4.5E-03
HHR18	3.6E-02	3.6E-02	3.7E-02
HHR19	3.6E-02	3.6E-02	3.7E-02
HHR20	4.3E-02	4.3E-02	4.4E-02
HHR21	1.9E-02	1.9E-02	1.9E-02
HHR22	1.8E-02	1.8E-02	1.9E-02
HHR23	2.2E-02	2.2E-02	2.4E-02
HHR24	2.2E-02	2.2E-02	2.4E-02
HHR25	7.0E-03	7.0E-03	7.7E-03
HHR26	3.0E-03	3.0E-03	3.5E-03
HHR27	2.0E-03	2.0E-03	2.3E-03
HHR28	1.7E-03	1.7E-03	2.0E-03
HHR29	1.8E-02	1.8E-02	2.4E-02
HHR30	9.1E-03	9.1E-03	1.3E-02
HHR31	4.3E-02	4.3E-02	4.7E-02
HHR32	3.1E-02	3.1E-02	3.5E-02
HHR33	2.9E-02	2.9E-02	3.2E-02
HHR34	7.1E-03	7.1E-03	8.5E-03
HHR35	2.8E-02	2.8E-02	3.2E-02
HHR36	3.1E-02	3.1E-02	3.4E-02
HHR37	1.9E-02	1.9E-02	4.0E-02
HHR38	2.8E-02	2.9E-02	3.3E-02
HHR39	4.0E-03	4.0E-03	4.8E-03
HHR40	3.6E-03	3.6E-03	4.3E-03
HHR41	4.9E-03	4.9E-03	5.9E-03
HHR42	8.2E-03	8.2E-03	9.5E-03
HHR43	2.4E-02	2.4E-02	2.5E-02
HHR44	2.4E-02	2.4E-02	2.6E-02
HHR45	1.4E-03	1.4E-03	1.7E-03
HHR46	3.2E-03	3.2E-03	3.8E-03
HHR47	3.7E-03	3.7E-03	4.4E-03
HHR48	3.3E-03	3.3E-03	3.9E-03

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR49	3.1E-03	3.1E-03	3.6E-03
HHR50	4.0E-03	4.0E-03	4.7E-03
HHR51	2.9E-03	2.9E-03	3.4E-03
HHR52	5.9E-03	6.0E-03	7.1E-03
HHR53	4.5E-03	4.5E-03	5.2E-03
HHR54	6.7E-03	6.7E-03	7.9E-03
HHR55	4.1E-03	4.1E-03	4.9E-03
HHR56	9.4E-03	9.5E-03	1.1E-02
HHR57	1.4E-02	1.4E-02	1.5E-02
HHR58	2.3E-03	2.3E-03	2.6E-03
HHR59	2.3E-03	2.4E-03	2.6E-03
HHR60	2.7E-03	2.8E-03	3.1E-03
HHR61	4.4E-02	4.4E-02	4.6E-02
HHR62	7.8E-02	7.8E-02	8.0E-02
HHR63	3.7E-02	3.7E-02	3.9E-02
HHR64	8.7E-03	8.8E-03	9.5E-03
HHR65	2.9E-02	2.9E-02	3.0E-02
HHR66	2.1E-03	2.1E-03	2.5E-03
HHR67	3.0E-03	3.0E-03	3.6E-03
HHR68	5.2E-03	5.2E-03	5.9E-03
HHR69	2.6E-03	2.6E-03	3.1E-03
HHR70	3.3E-03	3.4E-03	4.0E-03
HHR71	4.8E-02	4.8E-02	4.9E-02
HHR72	1.2E-03	1.2E-03	1.4E-03
HHR73	1.3E-02	1.3E-02	1.4E-02
HHR74	3.9E-02	3.9E-02	4.0E-02
HHR75	2.2E-02	2.2E-02	2.4E-02
HHR76	3.6E-02	3.6E-02	3.8E-02
HHR77	1.7E-02	1.7E-02	1.8E-02
HHR78	1.5E-02	1.5E-02	1.5E-02
HHR79	3.3E-02	3.3E-02	3.4E-02
HHR80	1.2E-02	1.2E-02	1.4E-02
HHR81	1.4E-02	1.4E-02	1.5E-02
HHR82	1.2E-02	1.2E-02	1.3E-02
HHR83	1.3E-02	1.3E-02	1.4E-02
MPOI	1.2E+00	1.2E+00	1.3E+00

Note:
[1] Combined effect from manganese, selenium, carbon disulfide, C_5-C_8-aliphatic, toluene and xylene

Table M6.4-13: Chronic Inhalation Exposure Hazard Index for Hematological Effects

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	5.2E-02	5.2E-02	6.0E-02
HHR2	5.1E-02	5.1E-02	7.2E-02
HHR3	5.5E-03	5.6E-03	7.8E-03
HHR4	8.2E-02	8.2E-02	9.0E-02
HHR5	3.6E-02	3.6E-02	6.4E-02
HHR6	2.1E-02	2.1E-02	2.5E-02
HHR7	2.6E-03	2.6E-03	3.4E-03
HHR8	1.0E-01	1.0E-01	1.1E-01
HHR9	7.6E-02	7.6E-02	8.5E-02
HHR10	1.5E-02	1.5E-02	2.1E-02
HHR11	6.8E-02	6.8E-02	7.3E-02
HHR12	1.3E-01	1.3E-01	1.4E-01
HHR13	1.0E-01	1.0E-01	1.1E-01
HHR14	3.5E-02	3.5E-02	4.4E-02
HHR15	1.9E-03	1.9E-03	2.8E-03
HHR16	2.9E-02	2.9E-02	3.4E-02
HHR17	9.9E-03	1.0E-02	1.5E-02
HHR18	1.3E-01	1.3E-01	1.4E-01
HHR19	1.3E-01	1.3E-01	1.3E-01
HHR20	1.5E-01	1.5E-01	1.6E-01
HHR21	8.3E-02	8.3E-02	8.7E-02
HHR22	4.4E-02	4.4E-02	5.0E-02
HHR23	1.1E-01	1.1E-01	1.2E-01
HHR24	1.2E-01	1.2E-01	1.3E-01
HHR25	1.7E-02	1.7E-02	2.2E-02
HHR26	7.2E-03	7.3E-03	9.6E-03
HHR27	4.4E-03	4.5E-03	6.2E-03
HHR28	4.8E-03	4.9E-03	7.0E-03
HHR29	1.9E-01	1.9E-01	2.0E-01
HHR30	1.5E-02	1.5E-02	3.1E-02
HHR31	6.6E-01	6.6E-01	6.7E-01
HHR32	3.7E-01	3.7E-01	3.9E-01
HHR33	3.6E-01	3.6E-01	3.8E-01
HHR34	2.8E-02	2.8E-02	3.3E-02
HHR35	3.1E-01	3.1E-01	3.2E-01
HHR36	1.9E-01	1.9E-01	2.0E-01
HHR37	2.1E-02	2.1E-02	1.4E-01
HHR38	1.1E-01	1.1E-01	1.2E-01
HHR39	1.0E-02	1.0E-02	1.6E-02
HHR40	9.3E-03	9.4E-03	1.4E-02
HHR41	1.2E-02	1.2E-02	1.9E-02
HHR42	3.1E-02	3.1E-02	3.6E-02
HHR43	7.3E-02	7.3E-02	8.1E-02
HHR44	1.0E-01	1.0E-01	1.1E-01
HHR45	3.8E-03	3.8E-03	5.5E-03
HHR46	7.0E-03	7.1E-03	1.2E-02
HHR47	8.6E-03	8.6E-03	1.4E-02
HHR48	8.5E-03	8.6E-03	1.3E-02

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR49	6.3E-03	6.4E-03	1.1E-02
HHR50	9.3E-03	9.4E-03	1.5E-02
HHR51	5.5E-03	5.6E-03	9.2E-03
HHR52	4.1E-02	4.1E-02	4.9E-02
HHR53	8.1E-03	8.2E-03	1.6E-02
HHR54	4.1E-02	4.1E-02	4.9E-02
HHR55	1.1E-02	1.1E-02	1.7E-02
HHR56	1.8E-02	1.8E-02	2.6E-02
HHR57	2.1E-02	2.1E-02	3.3E-02
HHR58	3.8E-03	3.8E-03	5.6E-03
HHR59	3.7E-03	3.8E-03	5.5E-03
HHR60	4.4E-03	4.5E-03	6.6E-03
HHR61	2.0E-02	2.0E-02	3.4E-02
HHR62	2.1E-02	2.1E-02	3.3E-02
HHR63	3.0E-02	3.0E-02	3.9E-02
HHR64	2.1E-02	2.1E-02	2.5E-02
HHR65	4.3E-02	4.3E-02	5.1E-02
HHR66	4.6E-03	4.7E-03	6.5E-03
HHR67	6.8E-03	7.0E-03	9.3E-03
HHR68	1.3E-02	1.3E-02	1.7E-02
HHR69	6.9E-03	7.0E-03	1.0E-02
HHR70	8.6E-03	8.6E-03	1.3E-02
HHR71	1.4E-01	1.4E-01	1.5E-01
HHR72	2.6E-03	2.6E-03	3.7E-03
HHR73	3.3E-02	3.3E-02	3.9E-02
HHR74	1.4E-01	1.4E-01	1.5E-01
HHR75	1.1E-01	1.1E-01	1.1E-01
HHR76	1.4E-01	1.4E-01	1.4E-01
HHR77	7.6E-02	7.6E-02	8.0E-02
HHR78	4.4E-02	4.4E-02	4.8E-02
HHR79	1.2E-01	1.2E-01	1.2E-01
HHR80	5.2E-02	5.2E-02	5.7E-02
HHR81	5.1E-02	5.1E-02	5.7E-02
HHR82	4.3E-02	4.3E-02	4.8E-02
HHR83	4.6E-02	4.6E-02	5.2E-02
MPOI	8.0E-01	8.0E-01	8.1E-01

Note:
[1] Combined effect from acenaphthylene and benzene.

Table M6.4-14: Chronic Inhalation Exposure Hazard Index for Hepatological Effects

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR1	5.8E-02	5.8E-02	5.9E-02
HHR2	7.4E-02	7.4E-02	7.6E-02
HHR3	1.4E-03	1.4E-03	1.6E-03
HHR4	3.3E-02	3.3E-02	3.4E-02
HHR5	1.1E-02	1.1E-02	1.3E-02
HHR6	4.9E-03	4.9E-03	5.2E-03
HHR7	5.8E-04	5.8E-04	6.5E-04
HHR8	2.8E-02	2.8E-02	2.9E-02
HHR9	3.5E-02	3.5E-02	3.6E-02
HHR10	3.6E-03	3.6E-03	4.1E-03
HHR11	1.1E-02	1.1E-02	1.2E-02
HHR12	2.6E-02	2.6E-02	2.7E-02
HHR13	1.3E-02	1.3E-02	1.4E-02
HHR14	3.4E-02	3.4E-02	3.5E-02
HHR15	4.7E-04	4.7E-04	5.4E-04
HHR16	6.7E-03	6.7E-03	7.3E-03
HHR17	2.5E-03	2.5E-03	2.8E-03
HHR18	2.0E-02	2.0E-02	2.0E-02
HHR19	2.0E-02	2.0E-02	2.0E-02
HHR20	2.3E-02	2.3E-02	2.4E-02
HHR21	1.2E-02	1.2E-02	1.3E-02
HHR22	1.3E-02	1.3E-02	1.3E-02
HHR23	2.7E-02	2.7E-02	2.8E-02
HHR24	2.7E-02	2.7E-02	2.8E-02
HHR25	7.5E-03	7.5E-03	7.8E-03
HHR26	1.9E-03	1.9E-03	2.1E-03
HHR27	1.2E-03	1.2E-03	1.3E-03
HHR28	1.3E-03	1.3E-03	1.5E-03
HHR29	2.3E-02	2.3E-02	2.6E-02
HHR30	7.6E-03	7.6E-03	9.3E-03
HHR31	4.8E-02	4.8E-02	5.0E-02
HHR32	3.1E-02	3.1E-02	3.2E-02
HHR33	2.8E-02	2.8E-02	3.0E-02
HHR34	6.5E-03	6.5E-03	7.2E-03
HHR35	2.6E-02	2.6E-02	2.8E-02
HHR36	2.9E-02	2.9E-02	3.0E-02
HHR37	1.1E-02	1.1E-02	2.2E-02
HHR38	2.2E-02	2.2E-02	2.4E-02
HHR39	2.6E-03	2.6E-03	3.0E-03
HHR40	2.4E-03	2.4E-03	2.7E-03
HHR41	3.2E-03	3.2E-03	3.6E-03
HHR42	7.2E-03	7.2E-03	7.7E-03
HHR43	3.1E-02	3.1E-02	3.2E-02
HHR44	2.7E-02	2.7E-02	2.8E-02
HHR45	1.1E-03	1.1E-03	1.2E-03
HHR46	2.1E-03	2.1E-03	2.4E-03
HHR47	2.6E-03	2.6E-03	2.9E-03
HHR48	2.2E-03	2.2E-03	2.5E-03

Receptor Location	Chronic		
	Baseline	Application	Planned Development Case
HHR49	1.9E-03	1.9E-03	2.2E-03
HHR50	2.7E-03	2.8E-03	3.1E-03
HHR51	1.7E-03	1.7E-03	1.9E-03
HHR52	4.5E-03	4.5E-03	5.1E-03
HHR53	2.7E-03	2.7E-03	3.1E-03
HHR54	4.7E-03	4.7E-03	5.4E-03
HHR55	2.9E-03	2.9E-03	3.3E-03
HHR56	4.9E-03	5.0E-03	5.6E-03
HHR57	7.0E-03	7.0E-03	7.9E-03
HHR58	1.1E-03	1.2E-03	1.3E-03
HHR59	1.1E-03	1.1E-03	1.3E-03
HHR60	1.4E-03	1.4E-03	1.5E-03
HHR61	1.1E-02	1.1E-02	1.2E-02
HHR62	1.4E-02	1.4E-02	1.5E-02
HHR63	2.5E-02	2.5E-02	2.6E-02
HHR64	5.2E-03	5.2E-03	5.6E-03
HHR65	4.1E-02	4.1E-02	4.2E-02
HHR66	1.3E-03	1.3E-03	1.4E-03
HHR67	1.9E-03	1.9E-03	2.1E-03
HHR68	4.5E-03	4.5E-03	4.7E-03
HHR69	1.8E-03	1.8E-03	2.1E-03
HHR70	2.3E-03	2.3E-03	2.6E-03
HHR71	2.5E-02	2.5E-02	2.6E-02
HHR72	6.5E-04	6.5E-04	7.4E-04
HHR73	1.0E-02	1.0E-02	1.1E-02
HHR74	2.2E-02	2.2E-02	2.2E-02
HHR75	2.2E-02	2.2E-02	2.3E-02
HHR76	2.2E-02	2.2E-02	2.2E-02
HHR77	1.1E-02	1.1E-02	1.2E-02
HHR78	8.5E-03	8.5E-03	8.8E-03
HHR79	1.8E-02	1.8E-02	1.9E-02
HHR80	1.1E-02	1.1E-02	1.2E-02
HHR81	1.0E-02	1.0E-02	1.0E-02
HHR82	9.7E-03	9.7E-03	1.0E-02
HHR83	9.6E-03	9.6E-03	1.0E-02
MPOI	1.6E+00	1.6E+00	1.6E+00

Note:
[1] Combined effect from acenaphthene, C_9-C_{16}-Alipahtics C_9-C_{16} Aromatics and phenanthrene.

Appendix M7

Incremental Lifetime Cancer Risk

Table M7-1: Multimedia Exposure Incremental Lifetime Cancer Risk for Arsenic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	6.4E-16	2.2E-15	7.6E-14	2.3E-09	2.9E-11	3.6E-13	4.6E-13	1.1E-12	2.8E-15	5.9E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR2	PA	6.4E-16	2.2E-15	7.6E-14	2.3E-09	2.9E-11	3.6E-13	4.6E-13	1.1E-12	2.8E-15	5.8E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR3	PA	1.2E-15	4.3E-15	1.5E-13	4.5E-09	5.6E-11	7.1E-13	8.9E-13	2.1E-12	5.5E-15	1.1E-12	2.1E-15	2.9E-16	2.2E-10	4.8E-09
HHR4	PA	6.9E-16	2.4E-15	8.1E-14	2.5E-09	3.1E-11	3.9E-13	4.9E-13	1.2E-12	3.0E-15	6.3E-13	1.2E-15	1.6E-16	1.2E-10	2.6E-09
HHR5	PA	1.1E-15	3.9E-15	1.3E-13	4.1E-09	5.1E-11	6.5E-13	8.1E-13	1.9E-12	5.0E-15	1.0E-12	1.9E-15	2.7E-16	2.0E-10	4.4E-09
HHR6	PA	1.9E-15	6.5E-15	2.2E-13	6.8E-09	8.4E-11	1.1E-12	1.3E-12	3.2E-12	8.2E-15	1.7E-12	3.2E-15	4.5E-16	3.3E-10	7.2E-09
HHR7	PA	3.7E-16	1.3E-15	4.3E-14	1.3E-09	1.6E-11	2.1E-13	2.6E-13	6.1E-13	1.6E-15	3.3E-13	6.2E-16	8.7E-17	6.4E-11	1.4E-09
HHR8	PA	5.1E-16	1.8E-15	6.1E-14	1.8E-09	2.3E-11	2.9E-13	3.7E-13	8.6E-13	2.2E-15	4.7E-13	8.8E-16	1.2E-16	8.9E-11	2.0E-09
HHR9	PA	5.8E-16	2.0E-15	6.8E-14	2.1E-09	2.6E-11	3.3E-13	4.1E-13	9.7E-13	2.5E-15	5.3E-13	9.9E-16	1.4E-16	1.0E-10	2.2E-09
HHR10	PA	8.7E-16	3.0E-15	1.0E-13	3.1E-09	3.9E-11	5.0E-13	6.2E-13	1.5E-12	3.8E-15	8.0E-13	1.5E-15	2.1E-16	1.5E-10	3.3E-09
HHR11	PA	6.9E-16	2.4E-15	8.2E-14	2.5E-09	3.1E-11	3.9E-13	4.9E-13	1.2E-12	3.0E-15	6.3E-13	1.2E-15	1.6E-16	1.2E-10	2.6E-09
HHR12	PA	6.9E-16	2.4E-15	8.2E-14	2.5E-09	3.1E-11	3.9E-13	4.9E-13	1.2E-12	3.0E-15	6.3E-13	1.2E-15	1.6E-16	1.2E-10	2.6E-09
HHR13	PA	7.2E-16	2.5E-15	8.5E-14	2.6E-09	3.2E-11	4.1E-13	5.1E-13	1.2E-12	3.1E-15	6.6E-13	1.2E-15	1.7E-16	1.2E-10	2.7E-09
HHR14	PA	6.2E-16	2.1E-15	7.3E-14	2.2E-09	2.8E-11	3.5E-13	4.4E-13	1.0E-12	2.7E-15	5.7E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR15	PA	1.0E-15	3.4E-15	1.2E-13	3.6E-09	4.5E-11	5.7E-13	7.1E-13	1.7E-12	4.4E-15	9.1E-13	1.7E-15	2.4E-16	1.7E-10	3.8E-09
HHR16	PA	5.9E-16	2.0E-15	7.0E-14	2.1E-09	2.7E-11	3.4E-13	4.2E-13	9.9E-13	2.6E-15	5.4E-13	1.0E-15	1.4E-16	1.0E-10	2.3E-09
HHR17	PA	4.4E-16	1.5E-15	5.2E-14	1.6E-09	2.0E-11	2.5E-13	3.2E-13	7.4E-13	1.9E-15	4.1E-13	7.6E-16	1.1E-16	7.7E-11	1.7E-09
HHR18	PA	6.0E-16	2.1E-15	7.1E-14	2.2E-09	2.7E-11	3.4E-13	4.3E-13	1.0E-12	2.6E-15	5.5E-13	1.0E-15	1.4E-16	1.1E-10	2.3E-09
HHR19	PA	7.4E-16	2.6E-15	8.8E-14	2.7E-09	3.3E-11	4.2E-13	5.3E-13	1.2E-12	3.2E-15	6.8E-13	1.3E-15	1.8E-16	1.3E-10	2.8E-09
HHR20	PA	6.8E-16	2.3E-15	8.0E-14	2.4E-09	3.0E-11	3.9E-13	4.8E-13	1.1E-12	3.0E-15	6.2E-13	1.2E-15	1.6E-16	1.2E-10	2.6E-09
HHR21	PA	7.1E-16	2.4E-15	8.4E-14	2.5E-09	3.2E-11	4.0E-13	5.0E-13	1.2E-12	3.1E-15	6.5E-13	1.2E-15	1.7E-16	1.2E-10	2.7E-09
HHR22	PA	8.4E-16	2.9E-15	9.9E-14	3.0E-09	3.8E-11	4.8E-13	6.0E-13	1.4E-12	3.7E-15	7.7E-13	1.4E-15	2.0E-16	1.5E-10	3.2E-09
HHR23	PA	7.0E-16	2.4E-15	8.3E-14	2.5E-09	3.1E-11	4.0E-13	5.0E-13	1.2E-12	3.1E-15	6.4E-13	1.2E-15	1.7E-16	1.2E-10	2.7E-09
HHR24	PA	6.9E-16	2.4E-15	8.2E-14	2.5E-09	3.1E-11	3.9E-13	4.9E-13	1.2E-12	3.0E-15	6.3E-13	1.2E-15	1.6E-16	1.2E-10	2.6E-09
HHR25	PA	1.2E-15	4.1E-15	1.4E-13	4.2E-09	5.3E-11	6.7E-13	8.4E-13	2.0E-12	5.2E-15	1.1E-12	2.0E-15	2.8E-16	2.0E-10	4.5E-09
HHR26	PA	1.2E-15	4.2E-15	1.4E-13	4.3E-09	5.4E-11	6.9E-13	8.6E-13	2.0E-12	5.3E-15	1.1E-12	2.1E-15	2.9E-16	2.1E-10	4.6E-09
HHR27	PA	9.8E-16	3.4E-15	1.2E-13	3.5E-09	4.4E-11	5.6E-13	7.0E-13	1.6E-12	4.3E-15	9.0E-13	1.7E-15	2.3E-16	1.7E-10	3.7E-09
HHR28	PA	6.3E-16	2.2E-15	7.4E-14	2.2E-09	2.8E-11	3.6E-13	4.5E-13	1.0E-12	2.7E-15	5.7E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR29	PA	2.1E-16	7.1E-16	2.4E-14	7.4E-10	9.3E-12	1.2E-13	1.5E-13	3.5E-13	9.1E-16	1.9E-13	3.5E-16	4.9E-17	3.6E-11	7.9E-10

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR30	PA	7.2E-16	2.5E-15	8.5E-14	2.6E-09	3.2E-11	4.1E-13	5.2E-13	1.2E-12	3.2E-15	6.6E-13	1.2E-15	1.7E-16	1.3E-10	2.8E-09
HHR31	PA	1.6E-16	5.4E-16	1.9E-14	5.6E-10	7.0E-12	8.9E-14	1.1E-13	2.6E-13	6.9E-16	1.4E-13	2.7E-16	3.7E-17	2.7E-11	6.0E-10
HHR32	PA	3.1E-16	1.1E-15	3.6E-14	1.1E-09	1.4E-11	1.7E-13	2.2E-13	5.2E-13	1.3E-15	2.8E-13	5.2E-16	7.3E-17	5.3E-11	1.2E-09
HHR33	PA	4.6E-16	1.6E-15	5.4E-14	1.6E-09	2.0E-11	2.6E-13	3.3E-13	7.7E-13	2.0E-15	4.2E-13	7.8E-16	1.1E-16	7.9E-11	1.7E-09
HHR34	PA	5.8E-16	2.0E-15	6.8E-14	2.1E-09	2.6E-11	3.3E-13	4.1E-13	9.7E-13	2.5E-15	5.3E-13	9.8E-16	1.4E-16	1.0E-10	2.2E-09
HHR35	PA	4.2E-16	1.4E-15	4.9E-14	1.5E-09	1.9E-11	2.4E-13	3.0E-13	7.0E-13	1.8E-15	3.8E-13	7.1E-16	9.9E-17	7.2E-11	1.6E-09
HHR36	PA	6.4E-16	2.2E-15	7.6E-14	2.3E-09	2.9E-11	3.6E-13	4.6E-13	1.1E-12	2.8E-15	5.9E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR37	PA	8.3E-16	2.9E-15	9.8E-14	3.0E-09	3.7E-11	4.7E-13	5.9E-13	1.4E-12	3.6E-15	7.6E-13	1.4E-15	2.0E-16	1.4E-10	3.2E-09
HHR38	PA	4.2E-16	1.4E-15	5.0E-14	1.5E-09	1.9E-11	2.4E-13	3.0E-13	7.0E-13	1.8E-15	3.8E-13	7.2E-16	9.9E-17	7.3E-11	1.6E-09
HHR39	PA	4.9E-16	1.7E-15	5.8E-14	1.8E-09	2.2E-11	2.8E-13	3.5E-13	8.2E-13	2.1E-15	4.5E-13	8.3E-16	1.2E-16	8.5E-11	1.9E-09
HHR40	PA	4.7E-16	1.6E-15	5.5E-14	1.7E-09	2.1E-11	2.6E-13	3.3E-13	7.8E-13	2.0E-15	4.3E-13	8.0E-16	1.1E-16	8.1E-11	1.8E-09
HHR41	PA	4.5E-16	1.6E-15	5.4E-14	1.6E-09	2.0E-11	2.6E-13	3.2E-13	7.6E-13	2.0E-15	4.2E-13	7.8E-16	1.1E-16	7.9E-11	1.7E-09
HHR42	PA	5.9E-16	2.0E-15	7.0E-14	2.1E-09	2.7E-11	3.4E-13	4.2E-13	9.9E-13	2.6E-15	5.4E-13	1.0E-15	1.4E-16	1.0E-10	2.3E-09
HHR43	PA	6.9E-16	2.4E-15	8.2E-14	2.5E-09	3.1E-11	3.9E-13	4.9E-13	1.2E-12	3.0E-15	6.3E-13	1.2E-15	1.6E-16	1.2E-10	2.6E-09
HHR44	PA	7.1E-16	2.4E-15	8.4E-14	2.5E-09	3.2E-11	4.0E-13	5.0E-13	1.2E-12	3.1E-15	6.5E-13	1.2E-15	1.7E-16	1.2E-10	2.7E-09
HHR45	PA	7.1E-16	2.5E-15	8.4E-14	2.6E-09	3.2E-11	4.1E-13	5.1E-13	1.2E-12	3.1E-15	6.5E-13	1.2E-15	1.7E-16	1.2E-10	2.7E-09
HHR46	PA	1.5E-15	5.3E-15	1.8E-13	5.6E-09	6.9E-11	8.8E-13	1.1E-12	2.6E-12	6.8E-15	1.4E-12	2.6E-15	3.7E-16	2.7E-10	5.9E-09
HHR47	PA	1.5E-15	5.3E-15	1.8E-13	5.5E-09	6.9E-11	8.7E-13	1.1E-12	2.6E-12	6.7E-15	1.4E-12	2.6E-15	3.6E-16	2.7E-10	5.9E-09
HHR48	PA	4.8E-16	1.6E-15	5.6E-14	1.7E-09	2.1E-11	2.7E-13	3.4E-13	8.0E-13	2.1E-15	4.4E-13	8.1E-16	1.1E-16	8.3E-11	1.8E-09
HHR49	PA	2.0E-15	6.9E-15	2.4E-13	7.2E-09	9.0E-11	1.1E-12	1.4E-12	3.4E-12	8.8E-15	1.8E-12	3.4E-15	4.8E-16	3.5E-10	7.7E-09
HHR50	PA	2.4E-15	8.4E-15	2.9E-13	8.7E-09	1.1E-10	1.4E-12	1.7E-12	4.1E-12	1.1E-14	2.2E-12	4.1E-15	5.7E-16	4.2E-10	9.2E-09
HHR51	PA	4.2E-15	1.4E-14	4.9E-13	1.5E-08	1.9E-10	2.4E-12	3.0E-12	7.0E-12	1.8E-14	3.8E-12	7.1E-15	9.9E-16	7.2E-10	1.6E-08
HHR52	PA	8.0E-16	2.8E-15	9.4E-14	2.9E-09	3.6E-11	4.5E-13	5.7E-13	1.3E-12	3.5E-15	7.3E-13	1.4E-15	1.9E-16	1.4E-10	3.0E-09
HHR53	PA	1.6E-15	5.4E-15	1.9E-13	5.7E-09	7.1E-11	9.0E-13	1.1E-12	2.6E-12	6.9E-15	1.4E-12	2.7E-15	3.7E-16	2.7E-10	6.0E-09
HHR54	PA	9.0E-16	3.1E-15	1.1E-13	3.2E-09	4.0E-11	5.1E-13	6.4E-13	1.5E-12	3.9E-15	8.2E-13	1.5E-15	2.1E-16	1.6E-10	3.4E-09
HHR55	PA	3.0E-15	1.1E-14	3.6E-13	1.1E-08	1.4E-10	1.7E-12	2.2E-12	5.1E-12	1.3E-14	2.8E-12	5.2E-15	7.2E-16	5.3E-10	1.2E-08
HHR56	PA	1.4E-15	4.7E-15	1.6E-13	4.9E-09	6.1E-11	7.7E-13	9.7E-13	2.3E-12	5.9E-15	1.2E-12	2.3E-15	3.2E-16	2.4E-10	5.2E-09
HHR57	PA	1.4E-15	4.9E-15	1.7E-13	5.1E-09	6.4E-11	8.1E-13	1.0E-12	2.4E-12	6.3E-15	1.3E-12	2.4E-15	3.4E-16	2.5E-10	5.5E-09
HHR58	PA	2.6E-15	8.9E-15	3.1E-13	9.3E-09	1.2E-10	1.5E-12	1.8E-12	4.3E-12	1.1E-14	2.4E-12	4.4E-15	6.1E-16	4.5E-10	9.9E-09
HHR59	PA	2.4E-15	8.4E-15	2.9E-13	8.7E-09	1.1E-10	1.4E-12	1.7E-12	4.1E-12	1.1E-14	2.2E-12	4.1E-15	5.7E-16	4.2E-10	9.2E-09
HHR60	PA	2.2E-15	7.6E-15	2.6E-13	7.9E-09	9.8E-11	1.2E-12	1.6E-12	3.7E-12	9.6E-15	2.0E-12	3.7E-15	5.2E-16	3.8E-10	8.3E-09

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR61	PA	1.4E-15	4.7E-15	1.6E-13	4.9E-09	6.1E-11	7.8E-13	9.7E-13	2.3E-12	6.0E-15	1.2E-12	2.3E-15	3.2E-16	2.4E-10	5.2E-09
HHR62	PA	1.2E-15	4.3E-15	1.5E-13	4.5E-09	5.6E-11	7.1E-13	8.9E-13	2.1E-12	5.5E-15	1.1E-12	2.1E-15	3.0E-16	2.2E-10	4.8E-09
HHR63	PA	6.3E-16	2.2E-15	7.5E-14	2.3E-09	2.8E-11	3.6E-13	4.5E-13	1.1E-12	2.8E-15	5.8E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR64	PA	7.2E-16	2.5E-15	8.6E-14	2.6E-09	3.2E-11	4.1E-13	5.2E-13	1.2E-12	3.2E-15	6.6E-13	1.2E-15	1.7E-16	1.3E-10	2.8E-09
HHR65	PA	6.2E-16	2.2E-15	7.4E-14	2.2E-09	2.8E-11	3.5E-13	4.4E-13	1.0E-12	2.7E-15	5.7E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR66	PA	1.2E-15	4.0E-15	1.4E-13	4.2E-09	5.2E-11	6.6E-13	8.3E-13	1.9E-12	5.1E-15	1.1E-12	2.0E-15	2.7E-16	2.0E-10	4.4E-09
HHR67	PA	1.5E-15	5.2E-15	1.8E-13	5.5E-09	6.8E-11	8.6E-13	1.1E-12	2.5E-12	6.6E-15	1.4E-12	2.6E-15	3.6E-16	2.6E-10	5.8E-09
HHR68	PA	9.3E-16	3.2E-15	1.1E-13	3.3E-09	4.2E-11	5.3E-13	6.6E-13	1.6E-12	4.1E-15	8.5E-13	1.6E-15	2.2E-16	1.6E-10	3.5E-09
HHR69	PA	4.7E-16	1.6E-15	5.5E-14	1.7E-09	2.1E-11	2.7E-13	3.3E-13	7.9E-13	2.1E-15	4.3E-13	8.0E-16	1.1E-16	8.2E-11	1.8E-09
HHR70	PA	4.9E-16	1.7E-15	5.8E-14	1.8E-09	2.2E-11	2.8E-13	3.5E-13	8.2E-13	2.1E-15	4.5E-13	8.3E-16	1.2E-16	8.5E-11	1.9E-09
HHR71	PA	6.3E-16	2.2E-15	7.5E-14	2.3E-09	2.8E-11	3.6E-13	4.5E-13	1.1E-12	2.8E-15	5.8E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
HHR72	PA	9.8E-16	3.4E-15	1.2E-13	3.5E-09	4.4E-11	5.6E-13	7.0E-13	1.7E-12	4.3E-15	9.0E-13	1.7E-15	2.3E-16	1.7E-10	3.8E-09
HHR73	PA	9.3E-16	3.2E-15	1.1E-13	3.4E-09	4.2E-11	5.3E-13	6.7E-13	1.6E-12	4.1E-15	8.5E-13	1.6E-15	2.2E-16	1.6E-10	3.6E-09
HHR74	PA	6.1E-16	2.1E-15	7.3E-14	2.2E-09	2.8E-11	3.5E-13	4.4E-13	1.0E-12	2.7E-15	5.6E-13	1.0E-15	1.5E-16	1.1E-10	2.3E-09
HHR75	PA	7.7E-16	2.7E-15	9.1E-14	2.8E-09	3.5E-11	4.4E-13	5.5E-13	1.3E-12	3.4E-15	7.0E-13	1.3E-15	1.8E-16	1.3E-10	2.9E-09
HHR76	PA	1.6E-15	5.4E-15	1.9E-13	5.7E-09	7.1E-11	8.9E-13	1.1E-12	2.6E-12	6.9E-15	1.4E-12	2.7E-15	3.7E-16	2.7E-10	6.0E-09
HHR77	PA	7.8E-16	2.7E-15	9.2E-14	2.8E-09	3.5E-11	4.4E-13	5.5E-13	1.3E-12	3.4E-15	7.1E-13	1.3E-15	1.8E-16	1.3E-10	3.0E-09
HHR78	PA	7.9E-16	2.7E-15	9.4E-14	2.9E-09	3.6E-11	4.5E-13	5.7E-13	1.3E-12	3.5E-15	7.3E-13	1.4E-15	1.9E-16	1.4E-10	3.0E-09
HHR79	PA	6.6E-16	2.3E-15	7.8E-14	2.4E-09	2.9E-11	3.7E-13	4.7E-13	1.1E-12	2.9E-15	6.0E-13	1.1E-15	1.6E-16	1.1E-10	2.5E-09
HHR80	PA	5.5E-16	1.9E-15	6.5E-14	2.0E-09	2.5E-11	3.1E-13	3.9E-13	9.2E-13	2.4E-15	5.0E-13	9.4E-16	1.3E-16	9.6E-11	2.1E-09
HHR81	PA	6.4E-16	2.2E-15	7.6E-14	2.3E-09	2.9E-11	3.6E-13	4.6E-13	1.1E-12	2.8E-15	5.9E-13	1.1E-15	1.5E-16	1.1E-10	2.5E-09
HHR82	PA	6.7E-16	2.3E-15	7.9E-14	2.4E-09	3.0E-11	3.8E-13	4.8E-13	1.1E-12	2.9E-15	6.1E-13	1.1E-15	1.6E-16	1.2E-10	2.6E-09
HHR83	PA	6.3E-16	2.2E-15	7.5E-14	2.3E-09	2.8E-11	3.6E-13	4.5E-13	1.1E-12	2.8E-15	5.8E-13	1.1E-15	1.5E-16	1.1E-10	2.4E-09
MPOI	PA	1.5E-13	5.0E-13	1.7E-11	5.2E-07	6.5E-09	8.3E-11	1.0E-10	2.4E-10	6.4E-13	1.3E-10	2.5E-13	3.4E-14	2.5E-08	5.6E-07

Table M7-2: Amortized Incremental Lifetime Cancer Risk for Arsenic

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	8.4E-15	8.4E-15	4.9E-14	3.6E-09	4.0E-11	5.3E-13	6.2E-13	1.4E-12	3.8E-15	7.8E-13	1.5E-15	2.0E-16	1.7E-10	3.8E-09
HHR2	PA	8.4E-15	8.4E-15	4.9E-14	3.6E-09	4.0E-11	5.3E-13	6.2E-13	1.4E-12	3.8E-15	7.8E-13	1.4E-15	2.0E-16	1.7E-10	3.8E-09
HHR3	PA	1.6E-14	1.6E-14	9.6E-14	6.9E-09	7.8E-11	1.0E-12	1.2E-12	2.8E-12	7.5E-15	1.5E-12	2.8E-15	3.9E-16	3.2E-10	7.3E-09
HHR4	PA	9.0E-15	9.0E-15	5.3E-14	3.8E-09	4.3E-11	5.7E-13	6.6E-13	1.6E-12	4.1E-15	8.4E-13	1.6E-15	2.2E-16	1.8E-10	4.1E-09
HHR5	PA	1.5E-14	1.5E-14	8.8E-14	6.3E-09	7.2E-11	9.4E-13	1.1E-12	2.6E-12	6.8E-15	1.4E-12	2.6E-15	3.6E-16	2.9E-10	6.7E-09
HHR6	PA	2.5E-14	2.5E-14	1.5E-13	1.0E-08	1.2E-10	1.6E-12	1.8E-12	4.2E-12	1.1E-14	2.3E-12	4.3E-15	5.9E-16	4.9E-10	1.1E-08
HHR7	PA	4.8E-15	4.8E-15	2.8E-14	2.0E-09	2.3E-11	3.0E-13	3.5E-13	8.2E-13	2.2E-15	4.4E-13	8.3E-16	1.2E-16	9.4E-11	2.2E-09
HHR8	PA	6.7E-15	6.7E-15	4.0E-14	2.9E-09	3.2E-11	4.2E-13	4.9E-13	1.2E-12	3.1E-15	6.2E-13	1.2E-15	1.6E-16	1.3E-10	3.0E-09
HHR9	PA	7.6E-15	7.6E-15	4.5E-14	3.2E-09	3.6E-11	4.8E-13	5.6E-13	1.3E-12	3.5E-15	7.0E-13	1.3E-15	1.8E-16	1.5E-10	3.4E-09
HHR10	PA	1.1E-14	1.1E-14	6.7E-14	4.9E-09	5.5E-11	7.2E-13	8.4E-13	2.0E-12	5.2E-15	1.1E-12	2.0E-15	2.7E-16	2.3E-10	5.1E-09
HHR11	PA	9.1E-15	9.1E-15	5.3E-14	3.8E-09	4.4E-11	5.7E-13	6.7E-13	1.6E-12	4.1E-15	8.4E-13	1.6E-15	2.2E-16	1.8E-10	4.1E-09
HHR12	PA	9.1E-15	9.1E-15	5.3E-14	3.8E-09	4.4E-11	5.7E-13	6.7E-13	1.6E-12	4.1E-15	8.4E-13	1.6E-15	2.2E-16	1.8E-10	4.1E-09
HHR13	PA	9.4E-15	9.4E-15	5.5E-14	4.0E-09	4.5E-11	5.9E-13	6.9E-13	1.6E-12	4.3E-15	8.7E-13	1.6E-15	2.3E-16	1.9E-10	4.2E-09
HHR14	PA	8.1E-15	8.1E-15	4.8E-14	3.5E-09	3.9E-11	5.1E-13	6.0E-13	1.4E-12	3.7E-15	7.5E-13	1.4E-15	2.0E-16	1.6E-10	3.7E-09
HHR15	PA	1.3E-14	1.3E-14	7.7E-14	5.6E-09	6.3E-11	8.2E-13	9.6E-13	2.2E-12	6.0E-15	1.2E-12	2.3E-15	3.1E-16	2.6E-10	5.9E-09
HHR16	PA	7.7E-15	7.7E-15	4.6E-14	3.3E-09	3.7E-11	4.9E-13	5.7E-13	1.3E-12	3.5E-15	7.2E-13	1.3E-15	1.9E-16	1.5E-10	3.5E-09
HHR17	PA	5.8E-15	5.8E-15	3.4E-14	2.5E-09	2.8E-11	3.7E-13	4.3E-13	1.0E-12	2.7E-15	5.4E-13	1.0E-15	1.4E-16	1.1E-10	2.6E-09
HHR18	PA	7.9E-15	7.9E-15	4.7E-14	3.4E-09	3.8E-11	5.0E-13	5.8E-13	1.4E-12	3.6E-15	7.3E-13	1.4E-15	1.9E-16	1.6E-10	3.6E-09
HHR19	PA	9.7E-15	9.7E-15	5.7E-14	4.1E-09	4.7E-11	6.1E-13	7.1E-13	1.7E-12	4.4E-15	9.0E-13	1.7E-15	2.3E-16	1.9E-10	4.4E-09
HHR20	PA	8.9E-15	8.9E-15	5.2E-14	3.8E-09	4.3E-11	5.6E-13	6.5E-13	1.5E-12	4.1E-15	8.2E-13	1.5E-15	2.1E-16	1.8E-10	4.0E-09
HHR21	PA	9.3E-15	9.3E-15	5.5E-14	3.9E-09	4.5E-11	5.8E-13	6.8E-13	1.6E-12	4.2E-15	8.6E-13	1.6E-15	2.2E-16	1.8E-10	4.2E-09
HHR22	PA	1.1E-14	1.1E-14	6.5E-14	4.7E-09	5.3E-11	6.9E-13	8.1E-13	1.9E-12	5.0E-15	1.0E-12	1.9E-15	2.6E-16	2.2E-10	4.9E-09
HHR23	PA	9.2E-15	9.2E-15	5.4E-14	3.9E-09	4.4E-11	5.8E-13	6.8E-13	1.6E-12	4.2E-15	8.5E-13	1.6E-15	2.2E-16	1.8E-10	4.1E-09
HHR24	PA	9.1E-15	9.1E-15	5.3E-14	3.9E-09	4.4E-11	5.7E-13	6.7E-13	1.6E-12	4.2E-15	8.4E-13	1.6E-15	2.2E-16	1.8E-10	4.1E-09
HHR25	PA	1.5E-14	1.5E-14	9.1E-14	6.6E-09	7.4E-11	9.7E-13	1.1E-12	2.7E-12	7.1E-15	1.4E-12	2.7E-15	3.7E-16	3.0E-10	6.9E-09
HHR26	PA	1.6E-14	1.6E-14	9.3E-14	6.7E-09	7.6E-11	1.0E-12	1.2E-12	2.7E-12	7.2E-15	1.5E-12	2.7E-15	3.8E-16	3.1E-10	7.1E-09
HHR27	PA	1.3E-14	1.3E-14	7.6E-14	5.5E-09	6.2E-11	8.1E-13	9.5E-13	2.2E-12	5.9E-15	1.2E-12	2.2E-15	3.1E-16	2.5E-10	5.8E-09
HHR28	PA	8.2E-15	8.2E-15	4.8E-14	3.5E-09	3.9E-11	5.2E-13	6.0E-13	1.4E-12	3.8E-15	7.6E-13	1.4E-15	2.0E-16	1.6E-10	3.7E-09
HHR29	PA	2.7E-15	2.7E-15	1.6E-14	1.1E-09	1.3E-11	1.7E-13	2.0E-13	4.7E-13	1.2E-15	2.5E-13	4.7E-16	6.5E-17	5.3E-11	1.2E-09

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR30	PA	9.5E-15	9.5E-15	5.6E-14	4.0E-09	4.6E-11	6.0E-13	7.0E-13	1.6E-12	4.3E-15	8.8E-13	1.6E-15	2.3E-16	1.9E-10	4.3E-09
HHR31	PA	2.1E-15	2.1E-15	1.2E-14	8.7E-10	9.9E-12	1.3E-13	1.5E-13	3.5E-13	9.4E-16	1.9E-13	3.6E-16	4.9E-17	4.1E-11	9.3E-10
HHR32	PA	4.0E-15	4.0E-15	2.4E-14	1.7E-09	1.9E-11	2.5E-13	3.0E-13	6.9E-13	1.8E-15	3.7E-13	7.0E-16	9.7E-17	7.9E-11	1.8E-09
HHR33	PA	6.0E-15	6.0E-15	3.5E-14	2.5E-09	2.9E-11	3.8E-13	4.4E-13	1.0E-12	2.7E-15	5.5E-13	1.0E-15	1.4E-16	1.2E-10	2.7E-09
HHR34	PA	7.5E-15	7.5E-15	4.4E-14	3.2E-09	3.6E-11	4.8E-13	5.5E-13	1.3E-12	3.5E-15	7.0E-13	1.3E-15	1.8E-16	1.5E-10	3.4E-09
HHR35	PA	5.5E-15	5.5E-15	3.2E-14	2.3E-09	2.6E-11	3.4E-13	4.0E-13	9.4E-13	2.5E-15	5.1E-13	9.4E-16	1.3E-16	1.1E-10	2.5E-09
HHR36	PA	8.4E-15	8.4E-15	4.9E-14	3.6E-09	4.0E-11	5.3E-13	6.2E-13	1.4E-12	3.8E-15	7.8E-13	1.5E-15	2.0E-16	1.7E-10	3.8E-09
HHR37	PA	1.1E-14	1.1E-14	6.4E-14	4.6E-09	5.2E-11	6.9E-13	8.0E-13	1.9E-12	5.0E-15	1.0E-12	1.9E-15	2.6E-16	2.1E-10	4.9E-09
HHR38	PA	5.5E-15	5.5E-15	3.2E-14	2.3E-09	2.6E-11	3.5E-13	4.0E-13	9.5E-13	2.5E-15	5.1E-13	9.5E-16	1.3E-16	1.1E-10	2.5E-09
HHR39	PA	6.4E-15	6.4E-15	3.8E-14	2.7E-09	3.1E-11	4.0E-13	4.7E-13	1.1E-12	2.9E-15	5.9E-13	1.1E-15	1.5E-16	1.3E-10	2.9E-09
HHR40	PA	6.1E-15	6.1E-15	3.6E-14	2.6E-09	2.9E-11	3.9E-13	4.5E-13	1.1E-12	2.8E-15	5.7E-13	1.1E-15	1.5E-16	1.2E-10	2.7E-09
HHR41	PA	6.0E-15	6.0E-15	3.5E-14	2.5E-09	2.9E-11	3.8E-13	4.4E-13	1.0E-12	2.7E-15	5.5E-13	1.0E-15	1.4E-16	1.2E-10	2.7E-09
HHR42	PA	7.8E-15	7.8E-15	4.6E-14	3.3E-09	3.7E-11	4.9E-13	5.7E-13	1.3E-12	3.5E-15	7.2E-13	1.3E-15	1.9E-16	1.5E-10	3.5E-09
HHR43	PA	9.1E-15	9.1E-15	5.3E-14	3.9E-09	4.4E-11	5.7E-13	6.7E-13	1.6E-12	4.2E-15	8.4E-13	1.6E-15	2.2E-16	1.8E-10	4.1E-09
HHR44	PA	9.3E-15	9.3E-15	5.5E-14	3.9E-09	4.5E-11	5.8E-13	6.8E-13	1.6E-12	4.2E-15	8.6E-13	1.6E-15	2.2E-16	1.8E-10	4.2E-09
HHR45	PA	9.4E-15	9.4E-15	5.5E-14	4.0E-09	4.5E-11	5.9E-13	6.9E-13	1.6E-12	4.3E-15	8.7E-13	1.6E-15	2.2E-16	1.8E-10	4.2E-09
HHR46	PA	2.0E-14	2.0E-14	1.2E-13	8.6E-09	9.8E-11	1.3E-12	1.5E-12	3.5E-12	9.3E-15	1.9E-12	3.5E-15	4.9E-16	4.0E-10	9.1E-09
HHR47	PA	2.0E-14	2.0E-14	1.2E-13	8.5E-09	9.7E-11	1.3E-12	1.5E-12	3.5E-12	9.2E-15	1.9E-12	3.5E-15	4.8E-16	4.0E-10	9.0E-09
HHR48	PA	6.2E-15	6.2E-15	3.7E-14	2.6E-09	3.0E-11	3.9E-13	4.6E-13	1.1E-12	2.9E-15	5.8E-13	1.1E-15	1.5E-16	1.2E-10	2.8E-09
HHR49	PA	2.6E-14	2.6E-14	1.5E-13	1.1E-08	1.3E-10	1.7E-12	1.9E-12	4.5E-12	1.2E-14	2.4E-12	4.5E-15	6.3E-16	5.2E-10	1.2E-08
HHR50	PA	3.2E-14	3.2E-14	1.9E-13	1.3E-08	1.5E-10	2.0E-12	2.3E-12	5.5E-12	1.5E-14	2.9E-12	5.5E-15	7.6E-16	6.3E-10	1.4E-08
HHR51	PA	5.5E-14	5.5E-14	3.2E-13	2.3E-08	2.6E-10	3.4E-12	4.0E-12	9.4E-12	2.5E-14	5.1E-12	9.4E-15	1.3E-15	1.1E-09	2.5E-08
HHR52	PA	1.0E-14	1.0E-14	6.1E-14	4.4E-09	5.0E-11	6.6E-13	7.7E-13	1.8E-12	4.8E-15	9.7E-13	1.8E-15	2.5E-16	2.1E-10	4.7E-09
HHR53	PA	2.1E-14	2.1E-14	1.2E-13	8.8E-09	9.9E-11	1.3E-12	1.5E-12	3.6E-12	9.5E-15	1.9E-12	3.6E-15	5.0E-16	4.1E-10	9.3E-09
HHR54	PA	1.2E-14	1.2E-14	6.9E-14	5.0E-09	5.7E-11	7.4E-13	8.7E-13	2.0E-12	5.4E-15	1.1E-12	2.0E-15	2.8E-16	2.3E-10	5.3E-09
HHR55	PA	4.0E-14	4.0E-14	2.4E-13	1.7E-08	1.9E-10	2.5E-12	2.9E-12	6.9E-12	1.8E-14	3.7E-12	6.9E-15	9.6E-16	7.9E-10	1.8E-08
HHR56	PA	1.8E-14	1.8E-14	1.0E-13	7.5E-09	8.5E-11	1.1E-12	1.3E-12	3.1E-12	8.1E-15	1.6E-12	3.1E-15	4.3E-16	3.5E-10	8.0E-09
HHR57	PA	1.9E-14	1.9E-14	1.1E-13	8.0E-09	9.0E-11	1.2E-12	1.4E-12	3.2E-12	8.6E-15	1.7E-12	3.2E-15	4.5E-16	3.7E-10	8.4E-09
HHR58	PA	3.4E-14	3.4E-14	2.0E-13	1.4E-08	1.6E-10	2.1E-12	2.5E-12	5.8E-12	1.6E-14	3.1E-12	5.9E-15	8.2E-16	6.7E-10	1.5E-08
HHR59	PA	3.2E-14	3.2E-14	1.9E-13	1.3E-08	1.5E-10	2.0E-12	2.3E-12	5.5E-12	1.5E-14	2.9E-12	5.5E-15	7.6E-16	6.3E-10	1.4E-08
HHR60	PA	2.9E-14	2.9E-14	1.7E-13	1.2E-08	1.4E-10	1.8E-12	2.1E-12	4.9E-12	1.3E-14	2.7E-12	5.0E-15	6.9E-16	5.7E-10	1.3E-08

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR61	PA	1.8E-14	1.8E-14	1.1E-13	7.6E-09	8.6E-11	1.1E-12	1.3E-12	3.1E-12	8.2E-15	1.7E-12	3.1E-15	4.3E-16	3.5E-10	8.0E-09
HHR62	PA	1.6E-14	1.6E-14	9.6E-14	6.9E-09	7.8E-11	1.0E-12	1.2E-12	2.8E-12	7.5E-15	1.5E-12	2.8E-15	3.9E-16	3.2E-10	7.3E-09
HHR63	PA	8.3E-15	8.3E-15	4.9E-14	3.5E-09	4.0E-11	5.2E-13	6.1E-13	1.4E-12	3.8E-15	7.7E-13	1.4E-15	2.0E-16	1.6E-10	3.7E-09
HHR64	PA	9.5E-15	9.5E-15	5.6E-14	4.0E-09	4.6E-11	6.0E-13	7.0E-13	1.6E-12	4.3E-15	8.8E-13	1.6E-15	2.3E-16	1.9E-10	4.3E-09
HHR65	PA	8.2E-15	8.2E-15	4.8E-14	3.5E-09	3.9E-11	5.1E-13	6.0E-13	1.4E-12	3.7E-15	7.6E-13	1.4E-15	2.0E-16	1.6E-10	3.7E-09
HHR66	PA	1.5E-14	1.5E-14	8.9E-14	6.5E-09	7.3E-11	9.6E-13	1.1E-12	2.6E-12	6.9E-15	1.4E-12	2.6E-15	3.6E-16	3.0E-10	6.8E-09
HHR67	PA	2.0E-14	2.0E-14	1.2E-13	8.4E-09	9.6E-11	1.3E-12	1.5E-12	3.4E-12	9.1E-15	1.8E-12	3.4E-15	4.8E-16	3.9E-10	8.9E-09
HHR68	PA	1.2E-14	1.2E-14	7.2E-14	5.2E-09	5.8E-11	7.7E-13	8.9E-13	2.1E-12	5.6E-15	1.1E-12	2.1E-15	2.9E-16	2.4E-10	5.5E-09
HHR69	PA	6.1E-15	6.1E-15	3.6E-14	2.6E-09	3.0E-11	3.9E-13	4.5E-13	1.1E-12	2.8E-15	5.7E-13	1.1E-15	1.5E-16	1.2E-10	2.8E-09
HHR70	PA	6.4E-15	6.4E-15	3.8E-14	2.7E-09	3.1E-11	4.0E-13	4.7E-13	1.1E-12	2.9E-15	5.9E-13	1.1E-15	1.5E-16	1.3E-10	2.9E-09
HHR71	PA	8.3E-15	8.3E-15	4.9E-14	3.5E-09	4.0E-11	5.2E-13	6.1E-13	1.4E-12	3.8E-15	7.7E-13	1.4E-15	2.0E-16	1.6E-10	3.7E-09
HHR72	PA	1.3E-14	1.3E-14	7.6E-14	5.5E-09	6.2E-11	8.1E-13	9.5E-13	2.2E-12	5.9E-15	1.2E-12	2.2E-15	3.1E-16	2.5E-10	5.8E-09
HHR73	PA	1.2E-14	1.2E-14	7.2E-14	5.2E-09	5.9E-11	7.7E-13	9.0E-13	2.1E-12	5.6E-15	1.1E-12	2.1E-15	2.9E-16	2.4E-10	5.5E-09
HHR74	PA	8.1E-15	8.1E-15	4.7E-14	3.4E-09	3.9E-11	5.1E-13	5.9E-13	1.4E-12	3.7E-15	7.5E-13	1.4E-15	1.9E-16	1.6E-10	3.6E-09
HHR75	PA	1.0E-14	1.0E-14	5.9E-14	4.3E-09	4.9E-11	6.4E-13	7.4E-13	1.7E-12	4.6E-15	9.4E-13	1.7E-15	2.4E-16	2.0E-10	4.5E-09
HHR76	PA	2.1E-14	2.1E-14	1.2E-13	8.8E-09	9.9E-11	1.3E-12	1.5E-12	3.5E-12	9.4E-15	1.9E-12	3.6E-15	4.9E-16	4.1E-10	9.3E-09
HHR77	PA	1.0E-14	1.0E-14	6.0E-14	4.3E-09	4.9E-11	6.4E-13	7.5E-13	1.8E-12	4.7E-15	9.4E-13	1.8E-15	2.4E-16	2.0E-10	4.6E-09
HHR78	PA	1.0E-14	1.0E-14	6.1E-14	4.4E-09	5.0E-11	6.6E-13	7.7E-13	1.8E-12	4.8E-15	9.7E-13	1.8E-15	2.5E-16	2.1E-10	4.7E-09
HHR79	PA	8.6E-15	8.6E-15	5.1E-14	3.7E-09	4.1E-11	5.4E-13	6.3E-13	1.5E-12	3.9E-15	8.0E-13	1.5E-15	2.1E-16	1.7E-10	3.9E-09
HHR80	PA	7.2E-15	7.2E-15	4.2E-14	3.1E-09	3.5E-11	4.5E-13	5.3E-13	1.2E-12	3.3E-15	6.7E-13	1.2E-15	1.7E-16	1.4E-10	3.2E-09
HHR81	PA	8.4E-15	8.4E-15	5.0E-14	3.6E-09	4.0E-11	5.3E-13	6.2E-13	1.4E-12	3.9E-15	7.8E-13	1.5E-15	2.0E-16	1.7E-10	3.8E-09
HHR82	PA	8.8E-15	8.8E-15	5.2E-14	3.7E-09	4.2E-11	5.5E-13	6.5E-13	1.5E-12	4.0E-15	8.2E-13	1.5E-15	2.1E-16	1.7E-10	4.0E-09
HHR83	PA	8.3E-15	8.3E-15	4.9E-14	3.5E-09	4.0E-11	5.2E-13	6.1E-13	1.4E-12	3.8E-15	7.7E-13	1.4E-15	2.0E-16	1.6E-10	3.7E-09
MPOI	PA	1.9E-12	1.9E-12	1.1E-11	8.1E-07	9.2E-09	1.2E-10	1.4E-10	3.3E-10	8.7E-13	1.8E-10	3.3E-13	4.6E-14	3.8E-08	8.6E-07

Table M7-3: Incremental Lifetime Cancer Risk for Total Polycyclic Aromatic Hydrocarbon

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	2.5E-17	3.8E-16	1.1E-16	1.8E-11	2.4E-14	1.6E-12	4.1E-14	1.2E-13	6.8E-15	1.7E-11	3.1E-14	3.8E-15	4.6E-13	3.7E-11
HHR2	PA	2.6E-17	4.0E-16	1.1E-16	1.9E-11	2.6E-14	1.7E-12	4.4E-14	1.3E-13	7.3E-15	1.7E-11	3.3E-14	4.0E-15	4.8E-13	3.9E-11
HHR3	PA	6.5E-17	9.9E-16	2.8E-16	4.7E-11	6.3E-14	4.2E-12	1.1E-13	3.2E-13	1.8E-14	4.3E-11	8.0E-14	9.6E-15	1.2E-12	9.5E-11
HHR4	PA	2.5E-17	3.9E-16	1.1E-16	1.8E-11	2.5E-14	1.6E-12	4.2E-14	1.2E-13	6.9E-15	1.7E-11	3.2E-14	3.9E-15	4.8E-13	3.8E-11
HHR5	PA	4.3E-17	6.7E-16	1.9E-16	3.2E-11	4.3E-14	2.8E-12	7.3E-14	2.1E-13	1.2E-14	2.9E-11	5.4E-14	6.6E-15	8.1E-13	6.4E-11
HHR6	PA	9.2E-17	1.4E-15	4.0E-16	6.7E-11	9.0E-14	6.0E-12	1.6E-13	4.5E-13	2.6E-14	6.1E-11	1.2E-13	1.4E-14	1.7E-12	1.4E-10
HHR7	PA	2.3E-17	3.6E-16	1.0E-16	1.7E-11	2.2E-14	1.5E-12	4.1E-14	1.2E-13	6.8E-15	1.5E-11	2.8E-14	3.4E-15	4.1E-13	3.4E-11
HHR8	PA	2.6E-17	3.9E-16	1.1E-16	1.9E-11	2.5E-14	1.7E-12	4.4E-14	1.3E-13	7.3E-15	1.7E-11	3.2E-14	3.8E-15	4.6E-13	3.8E-11
HHR9	PA	2.2E-17	3.4E-16	9.7E-17	1.6E-11	2.2E-14	1.4E-12	3.7E-14	1.1E-13	6.2E-15	1.5E-11	2.9E-14	3.5E-15	4.2E-13	3.3E-11
HHR10	PA	3.2E-17	4.9E-16	1.4E-16	2.3E-11	3.2E-14	2.0E-12	5.2E-14	1.5E-13	8.7E-15	2.1E-11	4.1E-14	4.9E-15	6.0E-13	4.7E-11
HHR11	PA	3.3E-17	5.1E-16	1.4E-16	2.4E-11	3.2E-14	2.2E-12	5.6E-14	1.6E-13	9.3E-15	2.2E-11	4.1E-14	5.0E-15	6.0E-13	4.9E-11
HHR12	PA	3.0E-17	4.7E-16	1.3E-16	2.2E-11	3.0E-14	2.0E-12	5.2E-14	1.5E-13	8.6E-15	2.0E-11	3.7E-14	4.5E-15	5.5E-13	4.4E-11
HHR13	PA	3.4E-17	5.2E-16	1.5E-16	2.5E-11	3.3E-14	2.2E-12	5.8E-14	1.7E-13	9.6E-15	2.3E-11	4.3E-14	5.1E-15	6.2E-13	5.0E-11
HHR14	PA	2.7E-17	4.2E-16	1.2E-16	2.0E-11	2.7E-14	1.8E-12	4.6E-14	1.3E-13	7.7E-15	1.8E-11	3.5E-14	4.2E-15	5.0E-13	4.1E-11
HHR15	PA	7.1E-17	1.1E-15	3.1E-16	5.1E-11	6.8E-14	4.7E-12	1.2E-13	3.5E-13	2.1E-14	4.6E-11	8.7E-14	1.0E-14	1.2E-12	1.0E-10
HHR16	PA	2.9E-17	4.5E-16	1.3E-16	2.1E-11	2.8E-14	1.9E-12	5.0E-14	1.4E-13	8.3E-15	1.9E-11	3.7E-14	4.4E-15	5.3E-13	4.3E-11
HHR17	PA	2.4E-17	3.7E-16	1.0E-16	1.7E-11	2.3E-14	1.6E-12	4.1E-14	1.2E-13	6.8E-15	1.6E-11	3.0E-14	3.5E-15	4.2E-13	3.5E-11
HHR18	PA	3.0E-17	4.6E-16	1.3E-16	2.1E-11	2.9E-14	1.9E-12	5.0E-14	1.4E-13	8.4E-15	2.0E-11	3.7E-14	4.5E-15	5.3E-13	4.4E-11
HHR19	PA	3.7E-17	5.7E-16	1.6E-16	2.7E-11	3.6E-14	2.4E-12	6.3E-14	1.8E-13	1.0E-14	2.4E-11	4.6E-14	5.5E-15	6.6E-13	5.4E-11
HHR20	PA	3.3E-17	5.1E-16	1.4E-16	2.4E-11	3.2E-14	2.2E-12	5.7E-14	1.6E-13	9.4E-15	2.2E-11	4.2E-14	5.0E-15	6.0E-13	4.9E-11
HHR21	PA	3.4E-17	5.2E-16	1.5E-16	2.4E-11	3.3E-14	2.2E-12	5.7E-14	1.6E-13	9.5E-15	2.2E-11	4.2E-14	5.1E-15	6.1E-13	5.0E-11
HHR22	PA	3.9E-17	6.0E-16	1.7E-16	2.8E-11	3.8E-14	2.5E-12	6.6E-14	1.9E-13	1.1E-14	2.6E-11	4.9E-14	5.9E-15	7.1E-13	5.8E-11
HHR23	PA	2.8E-17	4.3E-16	1.2E-16	2.0E-11	2.7E-14	1.8E-12	4.7E-14	1.4E-13	7.8E-15	1.8E-11	3.5E-14	4.2E-15	5.2E-13	4.1E-11
HHR24	PA	2.9E-17	4.5E-16	1.3E-16	2.1E-11	2.9E-14	1.9E-12	5.0E-14	1.4E-13	8.4E-15	1.9E-11	3.6E-14	4.4E-15	5.4E-13	4.3E-11
HHR25	PA	5.4E-17	8.3E-16	2.3E-16	3.9E-11	5.3E-14	3.5E-12	9.2E-14	2.6E-13	1.5E-14	3.6E-11	6.8E-14	8.2E-15	9.8E-13	8.0E-11
HHR26	PA	5.7E-17	8.7E-16	2.4E-16	4.1E-11	5.5E-14	3.7E-12	9.6E-14	2.8E-13	1.6E-14	3.7E-11	7.1E-14	8.5E-15	1.0E-12	8.4E-11
HHR27	PA	4.9E-17	7.5E-16	2.1E-16	3.5E-11	4.7E-14	3.2E-12	8.3E-14	2.4E-13	1.4E-14	3.2E-11	6.0E-14	7.3E-15	8.8E-13	7.2E-11
HHR28	PA	3.3E-17	5.0E-16	1.4E-16	2.4E-11	3.2E-14	2.2E-12	5.6E-14	1.6E-13	9.4E-15	2.2E-11	4.1E-14	4.9E-15	5.9E-13	4.8E-11
HHR29	PA	1.2E-17	1.9E-16	5.3E-17	8.9E-12	1.2E-14	8.2E-13	2.1E-14	6.1E-14	3.6E-15	8.1E-12	1.5E-14	1.8E-15	2.2E-13	1.8E-11

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR30	PA	3.0E-17	4.6E-16	1.3E-16	2.2E-11	2.9E-14	1.9E-12	5.0E-14	1.5E-13	8.4E-15	2.0E-11	3.7E-14	4.5E-15	5.5E-13	4.4E-11
HHR31	PA	9.8E-18	1.5E-16	4.2E-17	7.0E-12	9.4E-15	6.5E-13	1.7E-14	4.8E-14	2.8E-15	6.3E-12	1.2E-14	1.4E-15	1.7E-13	1.4E-11
HHR32	PA	1.8E-17	2.7E-16	7.6E-17	1.3E-11	1.7E-14	1.2E-12	3.0E-14	8.7E-14	5.1E-15	1.2E-11	2.2E-14	2.6E-15	3.1E-13	2.6E-11
HHR33	PA	2.4E-17	3.7E-16	1.0E-16	1.7E-11	2.3E-14	1.6E-12	4.1E-14	1.2E-13	6.8E-15	1.6E-11	3.0E-14	3.6E-15	4.2E-13	3.5E-11
HHR34	PA	2.8E-17	4.3E-16	1.2E-16	2.0E-11	2.7E-14	1.8E-12	4.7E-14	1.4E-13	7.9E-15	1.9E-11	3.5E-14	4.2E-15	5.0E-13	4.1E-11
HHR35	PA	2.1E-17	3.3E-16	9.2E-17	1.5E-11	2.1E-14	1.4E-12	3.7E-14	1.0E-13	6.1E-15	1.4E-11	2.7E-14	3.2E-15	3.8E-13	3.2E-11
HHR36	PA	2.9E-17	4.4E-16	1.2E-16	2.1E-11	2.8E-14	1.9E-12	4.8E-14	1.4E-13	8.1E-15	1.9E-11	3.6E-14	4.3E-15	5.2E-13	4.2E-11
HHR37	PA	3.3E-17	5.0E-16	1.4E-16	2.4E-11	3.2E-14	2.1E-12	5.5E-14	1.6E-13	9.1E-15	2.2E-11	4.1E-14	4.9E-15	6.1E-13	4.8E-11
HHR38	PA	2.2E-17	3.4E-16	9.5E-17	1.6E-11	2.1E-14	1.4E-12	3.8E-14	1.1E-13	6.3E-15	1.5E-11	2.7E-14	3.3E-15	3.9E-13	3.3E-11
HHR39	PA	2.6E-17	4.0E-16	1.1E-16	1.9E-11	2.5E-14	1.7E-12	4.5E-14	1.3E-13	7.4E-15	1.7E-11	3.2E-14	3.9E-15	4.6E-13	3.8E-11
HHR40	PA	2.5E-17	3.8E-16	1.1E-16	1.8E-11	2.4E-14	1.6E-12	4.3E-14	1.2E-13	7.1E-15	1.6E-11	3.1E-14	3.7E-15	4.4E-13	3.7E-11
HHR41	PA	2.4E-17	3.7E-16	1.0E-16	1.8E-11	2.3E-14	1.6E-12	4.2E-14	1.2E-13	6.9E-15	1.6E-11	3.0E-14	3.6E-15	4.3E-13	3.6E-11
HHR42	PA	2.9E-17	4.5E-16	1.3E-16	2.1E-11	2.9E-14	1.9E-12	5.0E-14	1.4E-13	8.4E-15	1.9E-11	3.7E-14	4.4E-15	5.3E-13	4.4E-11
HHR43	PA	2.6E-17	3.9E-16	1.1E-16	1.9E-11	2.5E-14	1.6E-12	4.2E-14	1.2E-13	7.0E-15	1.7E-11	3.3E-14	4.0E-15	4.8E-13	3.8E-11
HHR44	PA	2.6E-17	4.1E-16	1.1E-16	1.9E-11	2.6E-14	1.7E-12	4.4E-14	1.3E-13	7.3E-15	1.8E-11	3.4E-14	4.1E-15	5.0E-13	4.0E-11
HHR45	PA	4.0E-17	6.1E-16	1.7E-16	2.9E-11	3.8E-14	2.6E-12	6.8E-14	2.0E-13	1.1E-14	2.6E-11	4.9E-14	5.9E-15	7.0E-13	5.8E-11
HHR46	PA	6.8E-17	1.1E-15	3.0E-16	5.0E-11	6.7E-14	4.4E-12	1.2E-13	3.3E-13	1.9E-14	4.6E-11	8.6E-14	1.0E-14	1.3E-12	1.0E-10
HHR47	PA	6.8E-17	1.0E-15	2.9E-16	4.9E-11	6.6E-14	4.4E-12	1.1E-13	3.3E-13	1.9E-14	4.5E-11	8.6E-14	1.0E-14	1.2E-12	1.0E-10
HHR48	PA	2.6E-17	3.9E-16	1.1E-16	1.8E-11	2.5E-14	1.7E-12	4.4E-14	1.3E-13	7.3E-15	1.7E-11	3.2E-14	3.8E-15	4.5E-13	3.8E-11
HHR49	PA	9.8E-17	1.5E-15	4.3E-16	7.1E-11	9.6E-14	6.4E-12	1.7E-13	4.8E-13	2.8E-14	6.5E-11	1.2E-13	1.5E-14	1.8E-12	1.5E-10
HHR50	PA	9.4E-17	1.5E-15	4.1E-16	6.9E-11	9.4E-14	6.1E-12	1.6E-13	4.6E-13	2.6E-14	6.4E-11	1.2E-13	1.5E-14	1.8E-12	1.4E-10
HHR51	PA	2.2E-16	3.4E-15	9.4E-16	1.6E-10	2.1E-13	1.4E-11	3.7E-13	1.1E-12	6.2E-14	1.4E-10	2.7E-13	3.3E-14	3.9E-12	3.2E-10
HHR52	PA	3.4E-17	5.3E-16	1.5E-16	2.5E-11	3.4E-14	2.2E-12	5.8E-14	1.7E-13	9.7E-15	2.3E-11	4.3E-14	5.2E-15	6.3E-13	5.1E-11
HHR53	PA	7.0E-17	1.1E-15	3.0E-16	5.1E-11	6.9E-14	4.5E-12	1.2E-13	3.4E-13	2.0E-14	4.7E-11	8.8E-14	1.1E-14	1.3E-12	1.0E-10
HHR54	PA	3.7E-17	5.7E-16	1.6E-16	2.7E-11	3.7E-14	2.4E-12	6.3E-14	1.8E-13	1.0E-14	2.5E-11	4.7E-14	5.7E-15	6.9E-13	5.5E-11
HHR55	PA	1.1E-16	1.7E-15	4.6E-16	7.8E-11	1.1E-13	6.9E-12	1.8E-13	5.2E-13	3.0E-14	7.1E-11	1.3E-13	1.6E-14	2.0E-12	1.6E-10
HHR56	PA	5.8E-17	9.0E-16	2.5E-16	4.2E-11	5.7E-14	3.8E-12	9.9E-14	2.9E-13	1.7E-14	3.8E-11	7.3E-14	8.7E-15	1.1E-12	8.6E-11
HHR57	PA	5.2E-17	8.0E-16	2.2E-16	3.8E-11	5.1E-14	3.3E-12	8.7E-14	2.5E-13	1.4E-14	3.4E-11	6.5E-14	7.8E-15	9.8E-13	7.7E-11
HHR58	PA	1.3E-16	2.0E-15	5.7E-16	9.5E-11	1.3E-13	8.6E-12	2.3E-13	6.5E-13	3.8E-14	8.6E-11	1.6E-13	2.0E-14	2.4E-12	1.9E-10
HHR59	PA	1.2E-16	1.9E-15	5.2E-16	8.7E-11	1.2E-13	7.9E-12	2.1E-13	5.9E-13	3.5E-14	7.9E-11	1.5E-13	1.8E-14	2.2E-12	1.8E-10
HHR60	PA	1.1E-16	1.6E-15	4.6E-16	7.8E-11	1.0E-13	7.1E-12	1.8E-13	5.3E-13	3.1E-14	7.0E-11	1.3E-13	1.6E-14	1.9E-12	1.6E-10

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR61	PA	5.6E-17	8.5E-16	2.4E-16	4.0E-11	5.5E-14	3.6E-12	9.5E-14	2.7E-13	1.6E-14	3.6E-11	6.9E-14	8.3E-15	1.0E-12	8.2E-11
HHR62	PA	5.3E-17	8.1E-16	2.3E-16	3.8E-11	5.2E-14	3.4E-12	9.0E-14	2.6E-13	1.5E-14	3.4E-11	6.5E-14	7.9E-15	9.7E-13	7.8E-11
HHR63	PA	2.8E-17	4.2E-16	1.2E-16	2.0E-11	2.7E-14	1.8E-12	4.7E-14	1.3E-13	7.8E-15	1.8E-11	3.4E-14	4.1E-15	5.0E-13	4.1E-11
HHR64	PA	3.7E-17	5.7E-16	1.6E-16	2.7E-11	3.6E-14	2.4E-12	6.3E-14	1.8E-13	1.1E-14	2.4E-11	4.6E-14	5.5E-15	6.6E-13	5.5E-11
HHR65	PA	2.7E-17	4.2E-16	1.2E-16	2.0E-11	2.7E-14	1.8E-12	4.6E-14	1.3E-13	7.7E-15	1.8E-11	3.4E-14	4.1E-15	5.0E-13	4.0E-11
HHR66	PA	6.2E-17	9.5E-16	2.7E-16	4.5E-11	6.0E-14	4.1E-12	1.1E-13	3.1E-13	1.8E-14	4.1E-11	7.7E-14	9.2E-15	1.1E-12	9.1E-11
HHR67	PA	6.8E-17	1.0E-15	2.9E-16	4.9E-11	6.7E-14	4.4E-12	1.2E-13	3.3E-13	1.9E-14	4.5E-11	8.5E-14	1.0E-14	1.2E-12	1.0E-10
HHR68	PA	4.5E-17	6.9E-16	1.9E-16	3.3E-11	4.4E-14	2.9E-12	7.6E-14	2.2E-13	1.3E-14	3.0E-11	5.6E-14	6.8E-15	8.1E-13	6.6E-11
HHR69	PA	2.5E-17	3.9E-16	1.1E-16	1.8E-11	2.4E-14	1.7E-12	4.3E-14	1.2E-13	7.2E-15	1.7E-11	3.1E-14	3.8E-15	4.5E-13	3.7E-11
HHR70	PA	2.6E-17	4.0E-16	1.1E-16	1.9E-11	2.5E-14	1.7E-12	4.5E-14	1.3E-13	7.4E-15	1.7E-11	3.2E-14	3.9E-15	4.6E-13	3.8E-11
HHR71	PA	3.1E-17	4.8E-16	1.4E-16	2.3E-11	3.0E-14	2.0E-12	5.3E-14	1.5E-13	8.9E-15	2.1E-11	3.9E-14	4.7E-15	5.6E-13	4.6E-11
HHR72	PA	5.8E-17	8.9E-16	2.5E-16	4.2E-11	5.5E-14	3.8E-12	9.9E-14	2.8E-13	1.7E-14	3.8E-11	7.1E-14	8.5E-15	1.0E-12	8.5E-11
HHR73	PA	4.1E-17	6.4E-16	1.8E-16	3.0E-11	4.1E-14	2.7E-12	7.0E-14	2.0E-13	1.2E-14	2.8E-11	5.2E-14	6.3E-15	7.6E-13	6.2E-11
HHR74	PA	3.0E-17	4.6E-16	1.3E-16	2.2E-11	2.9E-14	1.9E-12	5.1E-14	1.5E-13	8.5E-15	2.0E-11	3.7E-14	4.5E-15	5.4E-13	4.4E-11
HHR75	PA	3.2E-17	5.0E-16	1.4E-16	2.3E-11	3.2E-14	2.1E-12	5.5E-14	1.6E-13	9.2E-15	2.1E-11	4.0E-14	4.8E-15	6.0E-13	4.8E-11
HHR76	PA	5.9E-17	9.1E-16	2.6E-16	4.3E-11	5.9E-14	3.8E-12	9.9E-14	2.9E-13	1.7E-14	3.9E-11	7.4E-14	9.0E-15	1.1E-12	8.8E-11
HHR77	PA	3.7E-17	5.6E-16	1.6E-16	2.7E-11	3.6E-14	2.4E-12	6.2E-14	1.8E-13	1.0E-14	2.4E-11	4.6E-14	5.5E-15	6.6E-13	5.4E-11
HHR78	PA	4.0E-17	6.2E-16	1.7E-16	2.9E-11	3.9E-14	2.6E-12	6.9E-14	2.0E-13	1.1E-14	2.7E-11	5.0E-14	6.0E-15	7.2E-13	5.9E-11
HHR79	PA	3.2E-17	4.9E-16	1.4E-16	2.3E-11	3.1E-14	2.1E-12	5.4E-14	1.6E-13	9.0E-15	2.1E-11	4.0E-14	4.8E-15	5.7E-13	4.7E-11
HHR80	PA	2.6E-17	4.0E-16	1.1E-16	1.9E-11	2.5E-14	1.7E-12	4.4E-14	1.3E-13	7.3E-15	1.7E-11	3.3E-14	3.9E-15	4.7E-13	3.9E-11
HHR81	PA	3.2E-17	4.9E-16	1.4E-16	2.3E-11	3.1E-14	2.1E-12	5.4E-14	1.6E-13	9.0E-15	2.1E-11	4.0E-14	4.8E-15	5.7E-13	4.7E-11
HHR82	PA	3.3E-17	5.0E-16	1.4E-16	2.4E-11	3.2E-14	2.1E-12	5.6E-14	1.6E-13	9.3E-15	2.2E-11	4.1E-14	4.9E-15	5.9E-13	4.8E-11
HHR83	PA	3.1E-17	4.8E-16	1.4E-16	2.3E-11	3.1E-14	2.1E-12	5.4E-14	1.5E-13	8.9E-15	2.1E-11	3.9E-14	4.7E-15	5.7E-13	4.7E-11
MPOI	PA	2.8E-15	4.4E-14	1.2E-14	2.1E-09	3.0E-12	1.7E-10	4.2E-12	1.3E-11	6.9E-13	2.1E-09	4.0E-12	5.0E-13	6.3E-11	4.5E-09

Table M7-4: Amortized Incremental Lifetime Cancer Risk for Total Polycyclic Aromatic Hydrocarbon

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR1	PA	3.2E-16	5.6E-16	1.6E-16	2.8E-11	3.4E-14	2.3E-12	5.5E-14	1.6E-13	9.3E-15	2.2E-11	4.2E-14	5.0E-15	6.8E-13	5.3E-11
HHR2	PA	3.4E-16	6.0E-16	1.7E-16	2.9E-11	3.6E-14	2.4E-12	5.9E-14	1.7E-13	1.0E-14	2.3E-11	4.4E-14	5.3E-15	7.2E-13	5.6E-11
HHR3	PA	8.5E-16	1.5E-15	4.2E-16	7.2E-11	8.8E-14	6.1E-12	1.5E-13	4.3E-13	2.5E-14	5.7E-11	1.1E-13	1.3E-14	1.7E-12	1.4E-10
HHR4	PA	3.3E-16	5.8E-16	1.6E-16	2.8E-11	3.5E-14	2.4E-12	5.7E-14	1.6E-13	9.5E-15	2.3E-11	4.3E-14	5.2E-15	7.1E-13	5.5E-11
HHR5	PA	5.7E-16	9.9E-16	2.8E-16	4.9E-11	6.0E-14	4.1E-12	9.9E-14	2.8E-13	1.7E-14	3.8E-11	7.2E-14	8.7E-15	1.2E-12	9.3E-11
HHR6	PA	1.2E-15	2.1E-15	6.0E-16	1.0E-10	1.3E-13	8.7E-12	2.1E-13	6.1E-13	3.6E-14	8.1E-11	1.5E-13	1.8E-14	2.5E-12	2.0E-10
HHR7	PA	3.1E-16	5.3E-16	1.5E-16	2.6E-11	3.1E-14	2.2E-12	5.5E-14	1.6E-13	9.3E-15	2.0E-11	3.8E-14	4.5E-15	6.0E-13	4.9E-11
HHR8	PA	3.4E-16	5.9E-16	1.7E-16	2.9E-11	3.5E-14	2.4E-12	5.9E-14	1.7E-13	9.9E-15	2.3E-11	4.3E-14	5.1E-15	6.8E-13	5.5E-11
HHR9	PA	2.9E-16	5.1E-16	1.5E-16	2.5E-11	3.1E-14	2.1E-12	5.0E-14	1.5E-13	8.5E-15	2.0E-11	3.8E-14	4.6E-15	6.2E-13	4.8E-11
HHR10	PA	4.2E-16	7.2E-16	2.1E-16	3.6E-11	4.4E-14	3.0E-12	7.1E-14	2.1E-13	1.2E-14	2.8E-11	5.4E-14	6.5E-15	8.9E-13	6.8E-11
HHR11	PA	4.3E-16	7.5E-16	2.2E-16	3.7E-11	4.5E-14	3.1E-12	7.6E-14	2.2E-13	1.3E-14	2.9E-11	5.5E-14	6.6E-15	8.9E-13	7.1E-11
HHR12	PA	4.0E-16	6.9E-16	2.0E-16	3.4E-11	4.2E-14	2.9E-12	7.0E-14	2.0E-13	1.2E-14	2.6E-11	4.9E-14	5.9E-15	8.2E-13	6.4E-11
HHR13	PA	4.5E-16	7.8E-16	2.2E-16	3.8E-11	4.7E-14	3.2E-12	7.8E-14	2.2E-13	1.3E-14	3.0E-11	5.7E-14	6.8E-15	9.2E-13	7.3E-11
HHR14	PA	3.6E-16	6.3E-16	1.8E-16	3.1E-11	3.8E-14	2.6E-12	6.2E-14	1.8E-13	1.0E-14	2.4E-11	4.6E-14	5.5E-15	7.4E-13	5.9E-11
HHR15	PA	9.4E-16	1.6E-15	4.7E-16	8.0E-11	9.5E-14	6.9E-12	1.7E-13	4.8E-13	2.8E-14	6.1E-11	1.2E-13	1.4E-14	1.8E-12	1.5E-10
HHR16	PA	3.8E-16	6.7E-16	1.9E-16	3.3E-11	4.0E-14	2.8E-12	6.7E-14	1.9E-13	1.1E-14	2.6E-11	4.9E-14	5.8E-15	7.8E-13	6.2E-11
HHR17	PA	3.1E-16	5.5E-16	1.6E-16	2.7E-11	3.2E-14	2.3E-12	5.5E-14	1.6E-13	9.3E-15	2.1E-11	3.9E-14	4.7E-15	6.3E-13	5.1E-11
HHR18	PA	3.9E-16	6.8E-16	1.9E-16	3.3E-11	4.0E-14	2.8E-12	6.8E-14	1.9E-13	1.1E-14	2.6E-11	4.9E-14	5.9E-15	7.9E-13	6.3E-11
HHR19	PA	4.8E-16	8.4E-16	2.4E-16	4.1E-11	5.0E-14	3.5E-12	8.5E-14	2.4E-13	1.4E-14	3.2E-11	6.1E-14	7.3E-15	9.8E-13	7.9E-11
HHR20	PA	4.4E-16	7.6E-16	2.2E-16	3.7E-11	4.5E-14	3.2E-12	7.6E-14	2.2E-13	1.3E-14	2.9E-11	5.5E-14	6.6E-15	8.9E-13	7.1E-11
HHR21	PA	4.4E-16	7.7E-16	2.2E-16	3.8E-11	4.6E-14	3.2E-12	7.7E-14	2.2E-13	1.3E-14	3.0E-11	5.6E-14	6.7E-15	9.0E-13	7.2E-11
HHR22	PA	5.1E-16	8.9E-16	2.5E-16	4.4E-11	5.3E-14	3.7E-12	8.9E-14	2.6E-13	1.5E-14	3.4E-11	6.5E-14	7.8E-15	1.1E-12	8.3E-11
HHR23	PA	3.6E-16	6.3E-16	1.8E-16	3.1E-11	3.8E-14	2.6E-12	6.3E-14	1.8E-13	1.1E-14	2.4E-11	4.6E-14	5.6E-15	7.7E-13	5.9E-11
HHR24	PA	3.9E-16	6.7E-16	1.9E-16	3.3E-11	4.1E-14	2.8E-12	6.8E-14	1.9E-13	1.1E-14	2.5E-11	4.8E-14	5.8E-15	8.1E-13	6.2E-11
HHR25	PA	7.1E-16	1.2E-15	3.5E-16	6.1E-11	7.4E-14	5.1E-12	1.2E-13	3.5E-13	2.1E-14	4.8E-11	9.0E-14	1.1E-14	1.5E-12	1.2E-10
HHR26	PA	7.4E-16	1.3E-15	3.7E-16	6.3E-11	7.8E-14	5.4E-12	1.3E-13	3.7E-13	2.2E-14	5.0E-11	9.4E-14	1.1E-14	1.5E-12	1.2E-10
HHR27	PA	6.4E-16	1.1E-15	3.2E-16	5.5E-11	6.6E-14	4.6E-12	1.1E-13	3.2E-13	1.9E-14	4.2E-11	8.0E-14	9.6E-15	1.3E-12	1.0E-10
HHR28	PA	4.3E-16	7.5E-16	2.1E-16	3.7E-11	4.5E-14	3.1E-12	7.6E-14	2.2E-13	1.3E-14	2.9E-11	5.4E-14	6.5E-15	8.7E-13	7.0E-11
HHR29	PA	1.6E-16	2.8E-16	8.1E-17	1.4E-11	1.7E-14	1.2E-12	2.9E-14	8.2E-14	4.9E-15	1.1E-11	2.0E-14	2.4E-15	3.2E-13	2.6E-11

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR30	PA	3.9E-16	6.8E-16	1.9E-16	3.3E-11	4.1E-14	2.8E-12	6.8E-14	2.0E-13	1.2E-14	2.6E-11	4.9E-14	5.9E-15	8.2E-13	6.3E-11
HHR31	PA	1.3E-16	2.2E-16	6.4E-17	1.1E-11	1.3E-14	9.4E-13	2.3E-14	6.5E-14	3.9E-15	8.4E-12	1.6E-14	1.9E-15	2.5E-13	2.1E-11
HHR32	PA	2.3E-16	4.0E-16	1.2E-16	2.0E-11	2.4E-14	1.7E-12	4.1E-14	1.2E-13	6.9E-15	1.5E-11	2.9E-14	3.5E-15	4.6E-13	3.8E-11
HHR33	PA	3.1E-16	5.4E-16	1.6E-16	2.7E-11	3.2E-14	2.3E-12	5.5E-14	1.6E-13	9.3E-15	2.1E-11	3.9E-14	4.7E-15	6.3E-13	5.1E-11
HHR34	PA	3.7E-16	6.4E-16	1.8E-16	3.1E-11	3.8E-14	2.6E-12	6.4E-14	1.8E-13	1.1E-14	2.5E-11	4.6E-14	5.6E-15	7.5E-13	6.0E-11
HHR35	PA	2.8E-16	4.9E-16	1.4E-16	2.4E-11	2.9E-14	2.0E-12	4.9E-14	1.4E-13	8.3E-15	1.9E-11	3.5E-14	4.3E-15	5.7E-13	4.6E-11
HHR36	PA	3.7E-16	6.5E-16	1.9E-16	3.2E-11	3.9E-14	2.7E-12	6.5E-14	1.9E-13	1.1E-14	2.5E-11	4.7E-14	5.7E-15	7.8E-13	6.1E-11
HHR37	PA	4.3E-16	7.4E-16	2.1E-16	3.7E-11	4.5E-14	3.1E-12	7.4E-14	2.1E-13	1.2E-14	2.9E-11	5.4E-14	6.6E-15	9.0E-13	7.0E-11
HHR38	PA	2.9E-16	5.0E-16	1.4E-16	2.5E-11	3.0E-14	2.1E-12	5.1E-14	1.5E-13	8.6E-15	1.9E-11	3.6E-14	4.4E-15	5.8E-13	4.7E-11
HHR39	PA	3.4E-16	6.0E-16	1.7E-16	2.9E-11	3.5E-14	2.5E-12	6.0E-14	1.7E-13	1.0E-14	2.3E-11	4.3E-14	5.2E-15	6.9E-13	5.6E-11
HHR40	PA	3.3E-16	5.7E-16	1.6E-16	2.8E-11	3.4E-14	2.4E-12	5.8E-14	1.7E-13	9.8E-15	2.2E-11	4.1E-14	4.9E-15	6.6E-13	5.3E-11
HHR41	PA	3.2E-16	5.6E-16	1.6E-16	2.7E-11	3.3E-14	2.3E-12	5.6E-14	1.6E-13	9.5E-15	2.1E-11	4.0E-14	4.8E-15	6.4E-13	5.2E-11
HHR42	PA	3.9E-16	6.7E-16	1.9E-16	3.3E-11	4.0E-14	2.8E-12	6.8E-14	1.9E-13	1.1E-14	2.6E-11	4.9E-14	5.9E-15	7.9E-13	6.3E-11
HHR43	PA	3.4E-16	5.9E-16	1.7E-16	2.9E-11	3.6E-14	2.4E-12	5.7E-14	1.7E-13	9.6E-15	2.3E-11	4.4E-14	5.3E-15	7.2E-13	5.5E-11
HHR44	PA	3.5E-16	6.0E-16	1.7E-16	3.0E-11	3.7E-14	2.5E-12	5.9E-14	1.7E-13	1.0E-14	2.4E-11	4.5E-14	5.4E-15	7.4E-13	5.7E-11
HHR45	PA	5.2E-16	9.1E-16	2.6E-16	4.4E-11	5.4E-14	3.8E-12	9.2E-14	2.6E-13	1.6E-14	3.5E-11	6.5E-14	7.8E-15	1.0E-12	8.4E-11
HHR46	PA	9.0E-16	1.6E-15	4.5E-16	7.7E-11	9.4E-14	6.5E-12	1.6E-13	4.5E-13	2.6E-14	6.1E-11	1.1E-13	1.4E-14	1.9E-12	1.5E-10
HHR47	PA	8.9E-16	1.6E-15	4.4E-16	7.6E-11	9.3E-14	6.4E-12	1.5E-13	4.4E-13	2.6E-14	6.0E-11	1.1E-13	1.4E-14	1.8E-12	1.5E-10
HHR48	PA	3.3E-16	5.8E-16	1.7E-16	2.9E-11	3.5E-14	2.4E-12	5.9E-14	1.7E-13	1.0E-14	2.2E-11	4.2E-14	5.0E-15	6.7E-13	5.4E-11
HHR49	PA	1.3E-15	2.2E-15	6.4E-16	1.1E-10	1.3E-13	9.3E-12	2.3E-13	6.5E-13	3.8E-14	8.7E-11	1.6E-13	2.0E-14	2.6E-12	2.1E-10
HHR50	PA	1.2E-15	2.2E-15	6.2E-16	1.1E-10	1.3E-13	8.8E-12	2.1E-13	6.1E-13	3.6E-14	8.5E-11	1.6E-13	1.9E-14	2.6E-12	2.0E-10
HHR51	PA	2.9E-15	5.0E-15	1.4E-15	2.4E-10	3.0E-13	2.1E-11	5.0E-13	1.4E-12	8.5E-14	1.9E-10	3.6E-13	4.3E-14	5.8E-12	4.6E-10
HHR52	PA	4.5E-16	7.9E-16	2.2E-16	3.9E-11	4.7E-14	3.2E-12	7.8E-14	2.3E-13	1.3E-14	3.0E-11	5.7E-14	6.9E-15	9.4E-13	7.4E-11
HHR53	PA	9.2E-16	1.6E-15	4.6E-16	7.9E-11	9.6E-14	6.6E-12	1.6E-13	4.6E-13	2.7E-14	6.2E-11	1.2E-13	1.4E-14	1.9E-12	1.5E-10
HHR54	PA	4.9E-16	8.5E-16	2.4E-16	4.2E-11	5.1E-14	3.5E-12	8.5E-14	2.4E-13	1.4E-14	3.3E-11	6.2E-14	7.5E-15	1.0E-12	8.0E-11
HHR55	PA	1.4E-15	2.5E-15	7.0E-16	1.2E-10	1.5E-13	1.0E-11	2.4E-13	7.0E-13	4.1E-14	9.5E-11	1.8E-13	2.2E-14	3.0E-12	2.3E-10
HHR56	PA	7.7E-16	1.3E-15	3.8E-16	6.6E-11	8.1E-14	5.5E-12	1.3E-13	3.9E-13	2.3E-14	5.1E-11	9.6E-14	1.2E-14	1.6E-12	1.2E-10
HHR57	PA	6.8E-16	1.2E-15	3.4E-16	5.8E-11	7.2E-14	4.9E-12	1.2E-13	3.4E-13	2.0E-14	4.6E-11	8.6E-14	1.0E-14	1.5E-12	1.1E-10
HHR58	PA	1.7E-15	3.0E-15	8.6E-16	1.5E-10	1.8E-13	1.3E-11	3.0E-13	8.7E-13	5.1E-14	1.1E-10	2.2E-13	2.6E-14	3.5E-12	2.8E-10
HHR59	PA	1.6E-15	2.8E-15	7.9E-16	1.4E-10	1.6E-13	1.2E-11	2.8E-13	8.0E-13	4.7E-14	1.1E-10	2.0E-13	2.4E-14	3.2E-12	2.6E-10
HHR60	PA	1.4E-15	2.4E-15	7.0E-16	1.2E-10	1.5E-13	1.0E-11	2.5E-13	7.1E-13	4.2E-14	9.3E-11	1.7E-13	2.1E-14	2.9E-12	2.3E-10

Receptor Location	Scenario	Soil			Air	Surface Water		Leafy Plants	Berries	Plant Roots	Large Mammals	Small Mammals	Game Birds	Fish	Total ILCR
		Ingestion	Dermal	Inhalation	Inhalation	Ingestion	Dermal	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	Ingestion	
HHR61	PA	7.3E-16	1.3E-15	3.6E-16	6.2E-11	7.7E-14	5.3E-12	1.3E-13	3.7E-13	2.2E-14	4.8E-11	9.1E-14	1.1E-14	1.5E-12	1.2E-10
HHR62	PA	6.9E-16	1.2E-15	3.4E-16	5.9E-11	7.3E-14	5.0E-12	1.2E-13	3.5E-13	2.1E-14	4.6E-11	8.7E-14	1.0E-14	1.4E-12	1.1E-10
HHR63	PA	3.6E-16	6.3E-16	1.8E-16	3.1E-11	3.8E-14	2.6E-12	6.3E-14	1.8E-13	1.1E-14	2.4E-11	4.6E-14	5.5E-15	7.5E-13	5.9E-11
HHR64	PA	4.9E-16	8.5E-16	2.4E-16	4.1E-11	5.0E-14	3.5E-12	8.5E-14	2.4E-13	1.4E-14	3.2E-11	6.1E-14	7.3E-15	9.8E-13	7.9E-11
HHR65	PA	3.6E-16	6.2E-16	1.8E-16	3.1E-11	3.7E-14	2.6E-12	6.2E-14	1.8E-13	1.1E-14	2.4E-11	4.5E-14	5.4E-15	7.4E-13	5.8E-11
HHR66	PA	8.2E-16	1.4E-15	4.0E-16	7.0E-11	8.4E-14	5.9E-12	1.4E-13	4.1E-13	2.4E-14	5.4E-11	1.0E-13	1.2E-14	1.6E-12	1.3E-10
HHR67	PA	8.9E-16	1.6E-15	4.4E-16	7.6E-11	9.4E-14	6.5E-12	1.6E-13	4.5E-13	2.6E-14	6.0E-11	1.1E-13	1.4E-14	1.8E-12	1.5E-10
HHR68	PA	5.9E-16	1.0E-15	2.9E-16	5.0E-11	6.1E-14	4.3E-12	1.0E-13	3.0E-13	1.7E-14	4.0E-11	7.5E-14	9.0E-15	1.2E-12	9.6E-11
HHR69	PA	3.3E-16	5.8E-16	1.6E-16	2.8E-11	3.4E-14	2.4E-12	5.9E-14	1.7E-13	9.9E-15	2.2E-11	4.2E-14	5.0E-15	6.7E-13	5.4E-11
HHR70	PA	3.4E-16	6.0E-16	1.7E-16	2.9E-11	3.5E-14	2.5E-12	6.0E-14	1.7E-13	1.0E-14	2.3E-11	4.3E-14	5.2E-15	6.9E-13	5.5E-11
HHR71	PA	4.1E-16	7.2E-16	2.0E-16	3.5E-11	4.3E-14	3.0E-12	7.2E-14	2.1E-13	1.2E-14	2.8E-11	5.2E-14	6.3E-15	8.4E-13	6.7E-11
HHR72	PA	7.6E-16	1.3E-15	3.8E-16	6.5E-11	7.8E-14	5.5E-12	1.3E-13	3.8E-13	2.3E-14	5.0E-11	9.5E-14	1.1E-14	1.5E-12	1.2E-10
HHR73	PA	5.4E-16	9.5E-16	2.7E-16	4.7E-11	5.7E-14	3.9E-12	9.4E-14	2.7E-13	1.6E-14	3.7E-11	7.0E-14	8.4E-15	1.1E-12	8.9E-11
HHR74	PA	3.9E-16	6.8E-16	1.9E-16	3.4E-11	4.1E-14	2.8E-12	6.9E-14	2.0E-13	1.2E-14	2.6E-11	5.0E-14	6.0E-15	8.0E-13	6.4E-11
HHR75	PA	4.2E-16	7.4E-16	2.1E-16	3.6E-11	4.5E-14	3.1E-12	7.4E-14	2.1E-13	1.3E-14	2.8E-11	5.3E-14	6.4E-15	8.9E-13	6.9E-11
HHR76	PA	7.8E-16	1.4E-15	3.9E-16	6.6E-11	8.2E-14	5.6E-12	1.3E-13	3.9E-13	2.3E-14	5.2E-11	9.9E-14	1.2E-14	1.7E-12	1.3E-10
HHR77	PA	4.8E-16	8.4E-16	2.4E-16	4.1E-11	5.0E-14	3.5E-12	8.4E-14	2.4E-13	1.4E-14	3.2E-11	6.1E-14	7.4E-15	9.9E-13	7.9E-11
HHR78	PA	5.3E-16	9.2E-16	2.6E-16	4.5E-11	5.5E-14	3.8E-12	9.3E-14	2.7E-13	1.6E-14	3.5E-11	6.7E-14	8.0E-15	1.1E-12	8.6E-11
HHR79	PA	4.2E-16	7.3E-16	2.1E-16	3.6E-11	4.3E-14	3.0E-12	7.3E-14	2.1E-13	1.2E-14	2.8E-11	5.3E-14	6.4E-15	8.5E-13	6.8E-11
HHR80	PA	3.4E-16	6.0E-16	1.7E-16	2.9E-11	3.6E-14	2.5E-12	6.0E-14	1.7E-13	1.0E-14	2.3E-11	4.3E-14	5.2E-15	7.0E-13	5.6E-11
HHR81	PA	4.2E-16	7.3E-16	2.1E-16	3.6E-11	4.3E-14	3.0E-12	7.3E-14	2.1E-13	1.2E-14	2.8E-11	5.3E-14	6.3E-15	8.5E-13	6.8E-11
HHR82	PA	4.3E-16	7.5E-16	2.1E-16	3.7E-11	4.5E-14	3.1E-12	7.5E-14	2.1E-13	1.3E-14	2.9E-11	5.4E-14	6.5E-15	8.7E-13	7.0E-11
HHR83	PA	4.1E-16	7.2E-16	2.1E-16	3.5E-11	4.3E-14	3.0E-12	7.2E-14	2.1E-13	1.2E-14	2.8E-11	5.2E-14	6.3E-15	8.4E-13	6.7E-11
MPOI	PA	3.7E-14	6.5E-14	1.8E-14	3.3E-09	4.3E-12	2.5E-10	5.7E-12	1.7E-11	9.5E-13	2.8E-09	5.4E-12	6.6E-13	9.3E-11	6.5E-09

Table M7-5: Inhalation Only Incremental Lifetime Cancer Risk

Receptor Location	Scenario	1,3-Butadiene	Acetaldehyde	Arsenic	Benzene	Cadmium	Chromium	Formaldehyde	Nickel
HHR1	PA	2.2E-11	2.7E-10	3.4E-09	3.4E-10	1.7E-09	2.2E-09	1.9E-08	4.6E-09
HHR2	PA	2.1E-11	2.8E-10	3.3E-09	3.4E-10	1.7E-09	2.3E-09	1.9E-08	4.5E-09
HHR3	PA	6.6E-11	6.6E-10	6.5E-09	7.3E-10	3.3E-09	5.2E-09	4.1E-08	8.7E-09
HHR4	PA	2.5E-11	2.8E-10	3.6E-09	3.5E-10	1.8E-09	2.3E-09	1.9E-08	4.9E-09
HHR5	PA	3.4E-11	4.8E-10	6.0E-09	5.9E-10	3.0E-09	3.8E-09	3.3E-08	8.1E-09
HHR6	PA	1.1E-10	9.5E-10	9.8E-09	1.1E-09	5.0E-09	7.5E-09	6.0E-08	1.3E-08
HHR7	PA	7.2E-12	2.2E-10	1.9E-09	2.4E-10	9.7E-10	1.7E-09	1.3E-08	2.6E-09
HHR8	PA	1.0E-11	2.6E-10	2.7E-09	3.0E-10	1.4E-09	2.1E-09	1.7E-08	3.6E-09
HHR9	PA	1.8E-11	2.5E-10	3.0E-09	3.0E-10	1.5E-09	2.0E-09	1.7E-08	4.1E-09
HHR10	PA	3.5E-11	3.6E-10	4.6E-09	4.6E-10	2.3E-09	2.9E-09	2.5E-08	6.2E-09
HHR11	PA	2.0E-11	3.4E-10	3.6E-09	4.0E-10	1.8E-09	2.7E-09	2.2E-08	4.9E-09
HHR12	PA	1.8E-11	3.1E-10	3.6E-09	3.7E-10	1.8E-09	2.5E-09	2.1E-08	4.9E-09
HHR13	PA	2.2E-11	3.6E-10	3.8E-09	4.1E-10	1.9E-09	2.8E-09	2.3E-08	5.0E-09
HHR14	PA	1.9E-11	2.9E-10	3.3E-09	3.5E-10	1.6E-09	2.3E-09	1.9E-08	4.4E-09
HHR15	PA	1.5E-11	6.7E-10	5.2E-09	7.1E-10	2.6E-09	5.2E-09	3.8E-08	6.9E-09
HHR16	PA	1.4E-11	3.0E-10	3.1E-09	3.4E-10	1.6E-09	2.4E-09	1.9E-08	4.1E-09
HHR17	PA	1.1E-11	2.4E-10	2.3E-09	2.7E-10	1.2E-09	1.9E-09	1.5E-08	3.1E-09
HHR18	PA	1.7E-11	3.1E-10	3.2E-09	3.5E-10	1.6E-09	2.4E-09	1.9E-08	4.2E-09
HHR19	PA	2.5E-11	3.8E-10	3.9E-09	4.4E-10	2.0E-09	3.0E-09	2.4E-08	5.2E-09
HHR20	PA	2.1E-11	3.4E-10	3.6E-09	4.0E-10	1.8E-09	2.7E-09	2.2E-08	4.8E-09
HHR21	PA	2.1E-11	3.5E-10	3.7E-09	4.1E-10	1.9E-09	2.8E-09	2.2E-08	5.0E-09
HHR22	PA	3.5E-11	4.1E-10	4.4E-09	5.2E-10	2.2E-09	3.3E-09	2.6E-08	5.9E-09
HHR23	PA	2.4E-11	2.9E-10	3.7E-09	3.6E-10	1.9E-09	2.3E-09	2.0E-08	5.0E-09
HHR24	PA	2.0E-11	3.0E-10	3.6E-09	3.6E-10	1.8E-09	2.4E-09	2.0E-08	4.9E-09
HHR25	PA	4.6E-11	5.7E-10	6.2E-09	7.0E-10	3.1E-09	4.5E-09	3.6E-08	8.3E-09
HHR26	PA	3.9E-11	5.8E-10	6.3E-09	6.7E-10	3.2E-09	4.6E-09	3.7E-08	8.5E-09
HHR27	PA	3.6E-11	4.9E-10	5.1E-09	5.4E-10	2.6E-09	3.9E-09	3.0E-08	7.0E-09
HHR28	PA	1.7E-11	3.3E-10	3.3E-09	3.6E-10	1.7E-09	2.6E-09	2.0E-08	4.4E-09
HHR29	PA	3.3E-12	1.2E-10	1.1E-09	1.3E-10	5.5E-10	9.5E-10	7.2E-09	1.4E-09
HHR30	PA	2.4E-11	3.1E-10	3.8E-09	3.7E-10	1.9E-09	2.5E-09	2.1E-08	5.1E-09

Receptor Location	Scenario	1,3-Butadiene	Acetaldehyde	Arsenic	Benzene	Cadmium	Chromium	Formaldehyde	Nickel
HHR31	PA	2.5E-12	9.4E-11	8.2E-10	1.0E-10	4.2E-10	7.4E-10	5.6E-09	1.1E-09
HHR32	PA	5.2E-12	1.8E-10	1.6E-09	1.9E-10	8.2E-10	1.4E-09	1.1E-08	2.1E-09
HHR33	PA	8.8E-12	2.4E-10	2.4E-09	2.7E-10	1.2E-09	1.9E-09	1.5E-08	3.2E-09
HHR34	PA	1.3E-11	2.9E-10	3.0E-09	3.3E-10	1.5E-09	2.3E-09	1.8E-08	4.0E-09
HHR35	PA	7.8E-12	2.2E-10	2.2E-09	2.4E-10	1.1E-09	1.7E-09	1.4E-08	2.9E-09
HHR36	PA	1.5E-11	3.0E-10	3.4E-09	3.5E-10	1.7E-09	2.4E-09	2.0E-08	4.5E-09
HHR37	PA	2.6E-11	3.5E-10	4.4E-09	4.3E-10	2.2E-09	2.9E-09	2.4E-08	5.9E-09
HHR38	PA	7.5E-12	2.2E-10	2.2E-09	2.5E-10	1.1E-09	1.8E-09	1.4E-08	2.9E-09
HHR39	PA	1.3E-11	2.6E-10	2.6E-09	3.0E-10	1.3E-09	2.1E-09	1.6E-08	3.4E-09
HHR40	PA	1.2E-11	2.5E-10	2.4E-09	2.9E-10	1.2E-09	2.0E-09	1.6E-08	3.3E-09
HHR41	PA	1.2E-11	2.5E-10	2.4E-09	2.8E-10	1.2E-09	1.9E-09	1.5E-08	3.2E-09
HHR42	PA	1.4E-11	3.0E-10	3.1E-09	3.4E-10	1.6E-09	2.4E-09	1.9E-08	4.1E-09
HHR43	PA	2.5E-11	2.9E-10	3.6E-09	3.6E-10	1.8E-09	2.3E-09	2.0E-08	4.9E-09
HHR44	PA	2.6E-11	3.0E-10	3.7E-09	3.7E-10	1.9E-09	2.4E-09	2.0E-08	5.0E-09
HHR45	PA	2.1E-11	4.0E-10	3.7E-09	4.4E-10	1.9E-09	3.1E-09	2.4E-08	5.0E-09
HHR46	PA	7.4E-11	7.2E-10	8.1E-09	8.8E-10	4.1E-09	5.8E-09	4.7E-08	1.1E-08
HHR47	PA	8.4E-11	7.2E-10	8.0E-09	9.7E-10	4.1E-09	5.8E-09	4.7E-08	1.1E-08
HHR48	PA	1.3E-11	2.6E-10	2.5E-09	2.9E-10	1.3E-09	2.0E-09	1.6E-08	3.3E-09
HHR49	PA	1.1E-10	1.0E-09	1.1E-08	1.2E-09	5.3E-09	8.1E-09	6.4E-08	1.4E-08
HHR50	PA	1.2E-10	1.0E-09	1.3E-08	1.4E-09	6.4E-09	8.4E-09	7.0E-08	1.7E-08
HHR51	PA	1.4E-10	2.2E-09	2.2E-08	2.5E-09	1.1E-08	1.7E-08	1.4E-07	2.9E-08
HHR52	PA	3.7E-11	3.6E-10	4.2E-09	4.4E-10	2.1E-09	2.9E-09	2.3E-08	5.7E-09
HHR53	PA	8.3E-11	7.5E-10	8.3E-09	9.8E-10	4.2E-09	5.9E-09	4.8E-08	1.1E-08
HHR54	PA	3.9E-11	3.9E-10	4.7E-09	4.8E-10	2.4E-09	3.1E-09	2.6E-08	6.4E-09
HHR55	PA	9.9E-11	1.2E-09	1.6E-08	1.5E-09	8.1E-09	9.7E-09	8.4E-08	2.2E-08
HHR56	PA	4.3E-11	5.9E-10	7.1E-09	7.1E-10	3.6E-09	4.7E-09	3.9E-08	9.6E-09
HHR57	PA	4.6E-11	5.7E-10	7.5E-09	7.2E-10	3.8E-09	4.6E-09	4.0E-08	1.0E-08
HHR58	PA	8.8E-11	1.3E-09	1.4E-08	1.5E-09	6.9E-09	1.0E-08	8.1E-08	1.8E-08
HHR59	PA	7.8E-11	1.2E-09	1.3E-08	1.3E-09	6.4E-09	9.5E-09	7.4E-08	1.7E-08
HHR60	PA	8.4E-11	1.1E-09	1.1E-08	1.2E-09	5.8E-09	8.3E-09	6.6E-08	1.5E-08
HHR61	PA	4.1E-11	5.6E-10	7.2E-09	6.9E-10	3.6E-09	4.5E-09	3.9E-08	9.7E-09
HHR62	PA	3.8E-11	5.3E-10	6.5E-09	6.5E-10	3.3E-09	4.2E-09	3.6E-08	8.9E-09

Receptor Location	Scenario	1,3-Butadiene	Acetaldehyde	Arsenic	Benzene	Cadmium	Chromium	Formaldehyde	Nickel
HHR63	PA	1.9E-11	2.9E-10	3.3E-09	3.4E-10	1.7E-09	2.3E-09	1.9E-08	4.5E-09
HHR64	PA	2.4E-11	3.8E-10	3.8E-09	4.4E-10	1.9E-09	3.0E-09	2.3E-08	5.1E-09
HHR65	PA	2.1E-11	2.8E-10	3.3E-09	3.4E-10	1.7E-09	2.3E-09	1.9E-08	4.4E-09
HHR66	PA	3.3E-11	6.2E-10	6.1E-09	6.8E-10	3.1E-09	4.9E-09	3.8E-08	8.2E-09
HHR67	PA	5.2E-11	7.1E-10	7.9E-09	8.1E-10	4.0E-09	5.6E-09	4.5E-08	1.1E-08
HHR68	PA	3.4E-11	4.7E-10	4.9E-09	5.5E-10	2.5E-09	3.7E-09	3.0E-08	6.5E-09
HHR69	PA	1.3E-11	2.6E-10	2.5E-09	2.9E-10	1.2E-09	2.0E-09	1.6E-08	3.3E-09
HHR70	PA	1.3E-11	2.6E-10	2.6E-09	3.0E-10	1.3E-09	2.1E-09	1.6E-08	3.4E-09
HHR71	PA	1.9E-11	3.2E-10	3.3E-09	3.7E-10	1.7E-09	2.6E-09	2.0E-08	4.4E-09
HHR72	PA	1.6E-11	5.7E-10	5.2E-09	6.1E-10	2.6E-09	4.5E-09	3.4E-08	6.8E-09
HHR73	PA	4.0E-11	4.4E-10	4.9E-09	5.7E-10	2.5E-09	3.5E-09	2.9E-08	6.6E-09
HHR74	PA	1.7E-11	3.1E-10	3.2E-09	3.6E-10	1.6E-09	2.5E-09	2.0E-08	4.3E-09
HHR75	PA	2.2E-11	3.4E-10	4.0E-09	4.1E-10	2.0E-09	2.7E-09	2.3E-08	5.5E-09
HHR76	PA	5.4E-11	6.4E-10	8.2E-09	8.0E-10	4.2E-09	5.1E-09	4.4E-08	1.1E-08
HHR77	PA	2.5E-11	3.8E-10	4.1E-09	4.5E-10	2.1E-09	3.0E-09	2.4E-08	5.5E-09
HHR78	PA	2.8E-11	4.1E-10	4.2E-09	4.8E-10	2.1E-09	3.2E-09	2.6E-08	5.6E-09
HHR79	PA	1.9E-11	3.3E-10	3.4E-09	3.8E-10	1.7E-09	2.6E-09	2.1E-08	4.6E-09
HHR80	PA	1.2E-11	2.7E-10	2.9E-09	3.1E-10	1.5E-09	2.2E-09	1.7E-08	3.9E-09
HHR81	PA	1.7E-11	3.3E-10	3.4E-09	3.7E-10	1.7E-09	2.6E-09	2.1E-08	4.5E-09
HHR82	PA	1.7E-11	3.4E-10	3.5E-09	3.9E-10	1.8E-09	2.7E-09	2.1E-08	4.7E-09
HHR83	PA	1.6E-11	3.2E-10	3.3E-09	3.7E-10	1.7E-09	2.6E-09	2.0E-08	4.4E-09
MPOI	PA	3.8E-08	4.2E-08	7.6E-07	7.9E-08	3.9E-07	3.6E-07	3.5E-06	1.1E-06

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Appendix M8

Ecological Risk Assessment Models

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1.0 MEDIA CONCENTRATIONS

Quantifying the potential risks to ecological health due to chemical emissions from the Lewis In Situ Project (Lewis Project) first required estimating the concentration of each chemical of potential concern (COPC) in the relevant environmental media (e.g., soil, native vegetation, wildlife) following its release. Based on predicted maximum annual ground-level air concentrations of each COPC (Volume 3, Tables M2-1 to M2-3), and using equations and assumptions provided by the United States Environmental Protection Agency Office of Solid Waste (US EPA 2005), chemical concentrations were estimated in the following environmental media:

- soil
- surrogate browse such as Labrador tea
- surrogate root crop such as cattails
- berries
- wildlife
- fish
- surface water.

COPC concentrations in each environmental medium were predicted for the Application and Planned Development cases for the maximum point of impingement (MPOI) receptor location.

Details regarding the mathematical modelling to assess the potential ecological health risks follow. A worked example with arsenic as the COPC is also shown for the Application Case at the MPOI receptor location.

1.1 Calculation of Chemical of Potential Concern Concentration in Soil

Refer to Volume 3, Appendix M5, Section 1.1.

1.2 Calculation of Chemical of Potential Concern Concentration in Terrestrial Plants

Refer to Volume 3, Appendix M5, Section 1.2.

1.3 Calculation of Chemical of Potential Concern Concentration in Surface Water

Refer to Volume 3, Appendix M5, Section 1.3.

1.4 Calculation of Chemical of Potential Concern Concentration in Small Mammals and Birds

Refer to Volume 3, Appendix M5, Section 1.4.

1.5 Calculation of Chemical of Potential Concern in Invertebrates Tissue

Soil invertebrates are exposed to COPCs through direct contact in the soil. Below is a worked example for arsenic. The equation is taken from US EPA Eco-SSl Arsenic (2005).

$$C_{inv} = e^{(0.706*(\ln Cs))-1.4121}$$

where: Cinv = concentration of COPC in invertebrate tissue (mg/kg)
Cs = soil concentration (2.42 mg/kg; for arsenic)

$$C_{inv} = e^{(0.706*(\ln 2.42 mg/kg))-1.4121}$$

$$C_{inv} = 0.451 mg/kg$$

2.0 CALCULATIONS OF AVERAGE DAILY DOSES FOR ECOLOGICAL RECEPTORS

Worked examples for calculating average daily doses for ecological receptors in the assessment is provided in this section. Arsenic was used as the example COPC.

2.1 Mammals

Canada Lynx

The Canada lynx was considered the carnivorous mammal who consumes small mammals (primarily hares), and birds. They are also exposed via ingestion of surface water and incidental ingestion of soil through grooming and adhering to their prey. The average daily dose is calculated by the summation of doses from each of the ingested constituents:

$$ADD_{ingestion} = \frac{C_{soil} \cdot IR_{soil}}{BW} + \frac{C_{water} \cdot IR_{water}}{BW} + \frac{C_{sm\ mammal} \cdot IR_{sm\ mammal}}{BW} + \frac{C_{birds} \cdot IR_{birds}}{BW}$$

where: ADD = average daily dose (mg/kg/d)
C_{soil} = calculated concentration in soil (mg/kg)
IR_{soil} = soil ingestion rate (kg/d)
C_{water} = concentration of chemical in surface water (mg/L)
IR_{water} = water ingestion rate (L/d)
$C_{sm\ mammal}$ = concentration of chemical in small mammal (mg/kg)
$IR_{sm\ mammal}$ = small mammal ingestion rate (kg/d)
C_{birds} = concentration of chemical in bird (mg/kg)
IR_{birds} = bird ingestion rate (kg/d)
BW = body weight (kg)

Therefore:

$$ADD_{ingestion} = \frac{2.42mg/kg \cdot 0.0109kg/d}{12.4kg} + \frac{0.000825mg/L \cdot 0.955L/d}{12.4kg} + \frac{0.000076mg/kg \cdot 0.533kg/d}{12.4kg} + \frac{0.000034mg/kg \cdot 0.0109kg/d}{12.4kg}$$

$$ADD_{ingestion} = 0.00220mg/kg - d$$

Moose

The moose is the surrogate for the large mammals. Moose are herbivores and therefore, their exposures would be derived from chemicals assimilated into plant tissue and soil particles adhering to the vegetation that they consume, as well as water. The average daily dose sums the exposures from each of these consumed items:

$$ADD_{ingestion} = \frac{C_{soil} \cdot IR_{soil}}{BW} + \frac{C_{water} \cdot IR_{water}}{BW} \frac{C_{plant} \cdot IR_{plant}}{BW}$$

where: ADD = average daily dose (mg/kg/d)
C_{soil} = calculated concentration in soil (mg/kg)
IR_{soil} = soil ingestion rate (kg/d)
C_{water} = concentration of chemical in surface water (mg/L)
IR_{water} = water ingestion rate (L/d)
C_{plant} = concentration of chemical in plant tissue (lab tea) (mg/kg)
IR_{plant} = plant tissue ingestion rate (kg/d)
BW = body weight (kg)

Therefore:

$$ADD_{ingestion} = \frac{2.42mg/kg \cdot 0.16kg/d}{400kg} + \frac{0.00083mg/L \cdot 20L/d}{400kg} + \frac{0.0897mg/kg \cdot 29.6kg/d}{400kg}$$

$$ADD_{ingestion} = 0.00766mg/kg - d$$

Snowshoe Hare

The snowshoe hare is a small herbivore and therefore, their exposures would be derived from chemicals assimilated into plant tissue and soil particles adhering to the vegetation that they consume. The average daily dose sums the exposures from each of these consumed items:

$$ADD_{ingestion} = \frac{C_{soil} \cdot IR_{soil}}{BW} + \frac{C_{water} \cdot IR_{water}}{BW} + \frac{C_{plant} \cdot IR_{plant}}{BW} + \frac{C_{berries} \cdot IR_{berries}}{BW}$$

where: ADD = average daily dose (mg/kg/d)
C_{soil} = calculated concentration in soil (mg/kg)
IR_{soil} = soil ingestion rate (kg/d)
C_{water} = concentration of chemical in surface water (mg/L)
IR_{water} = water ingestion rate (L/d)
C_{plant} = concentration of chemical in plant tissue (lab tea) (mg/kg)

IR_{plant} = plant tissue ingestion rate (kg/d)
$C_{berries}$= concentration of chemical in plant tissue (berries) (mg/kg)
$IR_{berries}$= berries ingestion rate (kg/d)
BW = body weight (kg)

Therefore:

$$ADD_{ingestion} = \frac{2.42mg/kg \cdot 0.0049kg/d}{1.3kg} + \frac{0.00083mg/L \cdot 0.13L/d}{1.3kg} + \frac{0.089mg/kg \cdot 0.26kg/d}{1.3kg} + \frac{0.0042mg/kg \cdot 0.047kg/d}{1.3kg}$$

$$ADD_{ingestion} = 0.032mg/kg - d$$

Common Shrew

The common shrew is a small insectivore with a relative high food intake ratio to body weight. Their exposures would be derived from chemicals assimilated into plant and soil invertebrate tissue and the soil particles adhering to the food that they consume. The average daily dose sums the exposures from each of these consumed items:

$$ADD_{ingestion} = \frac{C_{soil} \cdot IR_{soil}}{BW} + \frac{C_{water} \cdot IR_{water}}{BW} + \frac{C_{plant} \cdot IR_{plant}}{BW} + \frac{C_{invertebrates} \cdot IR_{invertebrates}}{BW}$$

where: ADD = average daily dose (mg/kg/d)
C_{soil} = calculated concentration in soil (mg/kg)
IR_{soil} = soil ingestion rate (kg/d)
C_{water} = concentration of chemical in surface water (mg/L)
IR_{water} = water ingestion rate (L/d)
C_{plant} = concentration of chemical in plant tissue (mg/kg)
IR_{plant} = plant tissue ingestion rate (kg/d)
$C_{invertebrates}$ = concentration of chemical in soil invertebrate (mg/kg)
$IR_{invertebrates}$= soil invertebrate ingestion rate (kg/d)
BW = body weight (kg)

Therefore:

$$ADD_{ingestion} = \frac{2.42mg/kg \cdot 0.000028kg/d}{0.0041kg} + \frac{0.00083mg/L \cdot 0.0000697L/d}{0.0041kg} + \frac{0.089mg/kg \cdot 0.00007kg/d}{0.0041kg} + \frac{0.451mg/kg \cdot 0.00133kg/d}{0.0041kg}$$

$$ADD_{ingestion} = 0.314mg/kg - d$$

2.2 Birds

Bald Eagle

The bald eagle represents large predatory birds that may be exposed through ingestion of small mammals, birds, and fish that have accumulated COPCs in their tissue. The average daily dose sums the exposures from each of these consumed items:

$$ADD_{ingestion} = \frac{C_{soil} \cdot IR_{soil}}{BW} + \frac{C_{water} \cdot IR_{water}}{BW} \frac{C_{sm\ mammal} \cdot IR_{sm\ mammal}}{BW} + \frac{C_{fish} \cdot IR_{fish}}{BW}$$

where: ADD = average daily dose (mg/kg/d)
C_{soil} = calculated concentration in soil (mg/kg)
IR_{soil} = soil ingestion rate (kg/d)
C_{water} = concentration of chemical in surface water (mg/L)
IR_{water} = water ingestion rate (L/d)
C_{plant} = concentration of chemical in plant tissue (lab tea) (mg/kg)
IR_{plant} = plant tissue ingestion rate (kg/d)
$C_{sm\ mammal}$ = concentration of chemical in small mammal (mg/kg)
$IR_{sm\ mammal}$ = small mammal ingestion rate (kg/d)
C_{fish} = concentration of chemical in fish (mg/kg)
IR_{fish} = fish ingestion rate (kg/d)
BW = body weight (kg)

Therefore:

$$ADD_{ingestion} = \frac{2.42mg/kg \cdot 0.0113kg/d}{4.7kg} + \frac{0.00089mg/L \cdot 0.188kg/d}{4.7kg} + \frac{0.000076mg/kg \cdot 0.113kg/d}{4.7kg} + \frac{0.028mg/kg \cdot 0.367kg/d}{4.7kg}$$

$$ADD_{ingestion} = 0.00805mg/kg - d$$

Ruffed Grouse

The sharp tailed grouse represents insectivorous birds that may be exposed through ingestion of plants and soil invertebrates that have been in direct contact with COPCs in the soil. They are also exposed via the soil particles adhering to their food. The average daily dose sums the exposures from each of these consumed items:

$$ADD_{ingestion} = \frac{C_{soil} \cdot IR_{soil}}{BW} + \frac{C_{water} \cdot IR_{water}}{BW} + \frac{C_{plant} \cdot IR_{plant}}{BW} + \frac{C_{invertebrates} \cdot IR_{invertebrates}}{BW}$$

where: ADD = average daily dose (mg/kg/d)
C_{soil} = calculated concentration in soil (mg/kg)
IR_{soil} = soil ingestion rate (kg/d)
C_{water} = concentration of chemical in surface water (mg/L)
IR_{water} = water ingestion rate (L/d)
C_{plant} = concentration of chemical in plant tissue (berries) (mg/kg)
IR_{plant} = plant tissue ingestion rate (kg/d)

$C_{invertebrates}$ = concentration of chemical in soil invertebrate (mg/kg)
$IR_{invertebrates}$ = soil invertebrate ingestion rate (kg/d)
BW = body weight (kg)

Therefore:

$$ADD_{ingestion} = \frac{2.42mg/kg \cdot 0.00066kg/d}{0.552kg} + \frac{0.00083mg/kg \cdot 0.0386kg/d}{0.552kg} + \frac{0.089mg/kg \cdot 0.096kg/d}{0.552kg} + \frac{0.451mg/kg \cdot 0.016kg/d}{0.552kg}$$

$$ADD_{ingestion} = 0.00745mg/kg - d$$

2.3 Fish

The exposure estimates for fish were based on the calculated COPC concentrations in surface water.

3.0 ECOLOGICAL RISK CHARACTERIZATION

After the average daily doses for each COPC were estimated for each relevant exposure pathway, risks were evaluated by calculating exposure ratios (ER). Risks were evaluated by the calculation of an ER using the average daily doses (ADD) that were determined for ecological receptors, along with toxicological reference values (TRV) for each COPC.

$$ER = \frac{ADD}{TRV}$$

ER provide a quantitative estimate of overall risk. The ER is a unitless value, defined as the ratio of the magnitude of exposure to magnitude of a standard effect.

Therefore, the calculation for ER for the Canada lynx from ingestion was:

$$Exposure\ Ratio = \frac{0.00220mg/kg/day}{1.04\ mg/kg/day} = 0.00212$$

ER for the remaining ecological receptors were calculated using the equation shown above.

Appendix M9

Eco-toxicological Profile

APPENDIX M9: ECO-TOXICOLOGICAL PROFILE
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1.0 ECOLOGICAL HEALTH

The following describes the rationale behind all the toxicological reference values (TRV) used in the ecological health assessment.

1.1 Aluminium

Mammals

In mammals and birds, aluminium is usually ingested through the consumption of foods and evokes diversified toxic actions. In mammals, aluminium may lead to disturbances in blood function (i.e., erythropoiesis, leucocytosis and lymphopenia), gastrointestinal systems and osseous systems (change in mineral bone structure) (Barabaz et al. 2001).

Ondreicka et al. (1966) (as cited in Sample et al. 1998) studied the effects of aluminium on reproduction in mice over the course of three generations. One dose was administered, and although there were no observed effects in the number of offspring per litter, growth of generations two and three were significantly reduced. The no-observable-adverse-effect-level (NOAEL) was calculated to be 1.93 mg/kg-d.

Birds

In birds, aluminium affects egg shells and the metabolism of calcium and phosphorus causing diminished calcium absorption and decreased metabolic rates, resulting in aluminium absorption into bones. Carriere et al. (1986) (as cited in Sample et al. 1998) studied the effects of aluminium on reproduction in the Ringed Dove over a four-month study. A single dose level of 1,000 ppm was used which gave no significant differences. The calculated NOAEL was 109.7 mg/kg-d.

Fish

In fish, aluminium accumulates in gills which cause the inhibition of ion exchange and respiration. Studies conducted by Suter et al. (1996) provide a lowest chronic value (LCV) of 3.288 mg/L aluminium for fish. A reduction in toxicity associated with increased water hardness was evident for fish. This LCV was adopted as the TRV for aluminium exposure to fish.

1.2 Arsenic

Mammals

An Ecological Soil Screening Level (Eco-SSL) for mammals has been calculated by the US EPA (2014). This was based on a comparison of the geometric mean of the NOAEL values for growth and reproduction from studies with the lowest-observable-adverse-effect-level (LOAEL) for reproduction, growth or survival. The geometric mean of NOAEL values was 2.47 mg arsenic/kg (body weight)/d. However, this value is higher than the lowest bounded LOAEL. Therefore, the TRV was established at 1.04 mg/kg-d, representing the highest NOAEL that was still lower than the lowest LOAEL for reproduction, growth, or survival. As this TRV is expressed in dry weight, a wet weight conversion factor of 0.3 was applied, which gave an adjusted value of 0.303 mg/kg-d (Suter and Sample 1994).

Birds

The TRV for birds was taken from Eco-SSL by the US EPA (2014). From all compiled studies, there were only two available NOAEL, therefore, a geometric mean could not be calculated. Instead, the lowest of the two NOAELs of 2.24 were used as the TRV. As this TRV is expressed in dry weight, a wet weight conversion factor of 0.3 was applied which gave an adjusted value of 0.672 mg/kg-d (Suter and Sample 1994).

Fish

Defoe (1982) completed an early life-stage test with fathead minnows exposed to arsenic that resulted in a chronic value of 0.892 mg/L. This chronic value was adopted as the TRV for arsenic exposure to fish.

1.3 Barium

Mammals

Eco-SSL for mammals has been calculated by the US EPA (2014). This was based on a comparison of the geometric mean of the NOAEL values for growth and reproduction from studies with the LOAEL for reproduction, growth or survival. The value was lower than the lowest bounded LOAEL for reproduction, growth and survival, therefore, the TRV is equal to the geometric mean of the NOAEL values for reproduction and growth and is equal to 51.8 mg barium/kg-d.

Birds

There were not enough studies available to derive an Eco-SSL for avian species. As a result, the TRV for mammals of 51.8 mg/kg-d was used in the assessment for avian species.

Fish

There are no fish-specific TRV for barium. As a result, the Tier II benchmark values from Sample et al. (1998) of 0.0039 mg/L was selected. The value is derived from a 21-day test on *Daphnia magna*, which resulted in reproductive impairment.

1.4 Cadmium

Mammals

Eco-SSL for mammals has been calculated by the US EPA (2014). This was based on a comparison of the geometric mean of the NOAEL values for growth and reproduction from studies with the LOAEL for reproduction, growth or survival. The geometric mean of NOAEL values was 1.86 mg cadmium/kg b w/d. However, this value is higher than the lowest bounded LOAEL. Therefore, the TRV was established at 0.77 mg/kg-d, representing the highest NOAEL, which was still lower than the lowest LOAEL for reproduction, growth and survival.

Birds

The TRV for birds was based on studies collated by US EPA (2014). The adopted TRV for the songbird, shorebird, waterfowl and raptor is 1.47 mg/kg-d. As this TRV is expressed in dry weight, a wet weight conversion factor of 0.3 was applied which gave an adjusted value of 0.441 mg/kg-d (Suter and Sample 1994).

Fish

A reduction in toxicity associated with increasing water hardness is evident for several fish species. The lowest chronic value for cadmium for fish of 0.0017 mg/L was based on studies collated by Sauter and Sample (1994). This was adopted as the TRV for cadmium exposure to fish.

1.5 Chromium

Mammals

Eco-SSL for mammals has been calculated by the US EPA (2014). The TRV was based on a comparison of the geometric mean of the NOAEL values for growth and reproduction from 71 studies which was equal to 2.4 mg/kg-d.

Birds

Eco-SSL for avian species has been calculated by the US EPA (2014). A geometric mean of the NOAELs for growth and reproduction was used to calculate a TRV of 2.66 mg/kg-d. The wet conversion factor of 0.3 was applied to give an adjusted TRV of 0.798 mg/kg-d that was used in the assessment.

Fish

Stevens and Chapman (1984) conducted toxicity tests with chromium and early life stages of rainbow trout. The test revealed a LCV of 0.068 mg/L chromium in fish. This chronic value was adopted as the TRV for chromium exposure in fish.

1.6 Cobalt

Mammals

Eco-SSL for mammals has been calculated by the US EPA (2014). A geometric mean of the NOAEL values for growth was calculated as 7.33 mg/kg-d. This value is lower than the lowest bounded LOAEL for either growth or mortality results. Therefore, the TRV is equal to the geometric mean NOAEL of 7.33 mg/kg-d.

Birds

Eco-SSL for avian species has been calculated by the US EPA (2014). A geometric mean of the NOAEL values for growth was calculated as 7.61 mg/kg-d. This value is lower than the lowest bounded LOAEL for either growth or mortality results. Therefore, the TRV is equal to the geometric mean NOAEL of 7.61 mg/kg-d.

Fish

Sample et al. (1996) report a chronic value of 0.003 mg/L from toxicity tests with cobalt salts on *Pimephales promelas* embryo-larval stage. This chronic value was adopted as the TRV for cobalt exposure in fish.

1.7 Copper

Mammals

An Eco-SSL for mammals has been calculated by the US EPA (2014). This was based on a comparison of the geometric mean of the NOAEL values for growth and reproduction from studies with the LOAEL for reproduction, growth, or survival. The geometric mean of NOAEL values was 5.6 mg copper/kg BW/d.

Birds

A geometric mean of the NOAEL values for growth and reproduction from 393 studies was calculated at 18.5 mg/kg-d by the US EPA (US EPA 2014). However, this value was higher than the lowest bounded LOAEL, and therefore, the NOAEL that was lower than the lowest bounded LOAEL was used as the TRV which equaled 4.05 mg/kg-d. The dry-wet conversion gave an adjusted TRV of 1.215 mg/kg-d which was used in the assessment (Suter and Sample 1994).

Fish

Sauter et al. (1976) conducted toxicity tests with copper and early life stages of brook trout. The test revealed a chronic value of 0.0038 mg/L copper in fish (Sauter et al. 1976). This chronic value was adopted as the TRV for copper exposure in fish.

1.8 Formaldehyde

Mammals

Hurni and Ohder (1973) (as cited in Sample et al. 1998) studied the effects of formaldehyde on beagle dogs during the critical life stage of gestation and lactation. Two doses were administered, and since there were no significant adverse observed effects, the highest dose was used as the no-observable-adverse-effect-level (NOAEL) and was calculated to be 9.4 mg/kg-d.

Birds

There were no studies available for avian species. As a result, the TRV for mammals of 9.4 mg/kg-d was used in the assessment for avian species.

Fish

The TRV of 1.61 mg/L was adopted from US EPA (Hohreiter and Rigg 2001) for formaldehyde based on studies meta-analysis for aquatic receptors.

1.9 Lead

Mammals

A geometric mean of the NOAEL values for growth and reproduction from 343 studies was calculated as 40.7 mg/kg-d by the US EPA (2014). However, this value was higher than the lowest bounded LOAEL, and therefore, the TRV equalled the highest bounded NOAEL below the lowest bounded LOAEL for reproduction, growth and survival of 4.70 mg/kg-d.

Birds

A TRV of 1.63 mg/kg-d was calculated by the US EPA (2014) from a review of 106 studies. This value was the highest bounded NOAEL lower than the lowest bounded LOAEL for growth, reproduction and survival.

Fish

Davies et al. (1976) conducted toxicity tests with lead and early life stages of rainbow trout. The test revealed a LCV of 0.0188 mg/L in fish (Davies et al. 1976). This chronic value was adopted as the TRV for lead exposure in fish.

1.10 Manganese

Mammals

A geometric mean of the NOAEL values for growth and reproduction from 58 studies was calculated as 51.5 mg/kg-d by the US EPA (2014). This value is lower than the lowest bounded LOAEL for either growth or mortality results. Therefore, the value of 51.5 mg/kg-d from the geometric mean of the NOAEL values was used in the assessment.

Birds

A geometric mean of the NOAEL values for growth and reproduction from 40 studies was calculated as 179 mg/kg-d by the US EPA (2014). This value is lower than the lowest bounded LOAEL for either growth or mortality results. Therefore, the value of 179 mg/kg-d from the geometric mean of the NOAEL values was used in the assessment.

Fish

Sample et al. (1996) report a chronic value of 0.008 mg/L from toxicity tests with manganese on *Pimephales promelas* embryo-larval stage. This chronic value was adopted as the TRV for manganese exposure in fish.

1.11 Molybdenum

Mammals

Schroeder and Mitchner (1971) (as cited in Sample et al. 1996) studied the effects of molybdenum on reproduction in the mouse over the course of three generations. One dose level was administered which appeared to cause reduced reproductive success and was considered the chronic LOAEL. The calculated NOAEL was equal to 0.26 mg/kg-d.

Birds

Lepore and Miller (1965) (as cited in Sample et al. 1996) studied the effects of molybdenum on reproduction in the chicken during a critical life stage. Three dose levels were administered in which embryonic viability was reduced to zero in the lowest dosage of 500 ppm. The calculated NOAEL was 3.5 mg/kg-d.

Fish

For fish, the TRV used was 0.88 mg/L which is the lowest chronic value for all aquatic organisms recommended by the Oak Ridge National Laboratory (Sample et al. 1996). This value was determined from a 28-day life cycle test in *Daphnia magna*.

1.12 Nickel

Mammals

US EPA Eco-SSL reviewed 1,169 papers on nickel toxicity for mammals and retained 52 for derivation of the mammalian TRV. A geometric mean of the NOAEL values for reproduction and growth was calculated as 7.70 mg/kg-d. However, this value is higher than the lowest bounded LOAEL for reproduction, growth, or mortality results. Therefore, the TRV is equal to the highest bounded NOAEL below the lowest bounded LOAEL for reproduction, growth, or survival, of 1.70 mg/kg-d.

Birds

A geometric mean of the NOAEL values for reproduction and growth was calculated as 6.71 mg/kg-d. This value is lower than the lowest bounded LOAEL for reproduction, growth, or survival. Therefore, the TRV is equal to the geometric mean of the NOAEL values for reproduction and growth.

Fish

A reduction in toxicity associated with increasing water hardness is evident for several fish species. The lowest chronic value for nickel for fish of 0.035 mg/L was based on early life stage test on rainbow trout as reported by Nebecker et al. (1985). This was adopted as the TRV for nickel exposure to fish.

1.13 Petroleum Hydrocarbons C_{17}-C_{34} Aliphatic and Aromatics

Mammals

The majority of petroleum hydrocarbon (PHC) toxicity studies currently available are based on effects in plants and/or soil invertebrates through direct soil contact. On the basis of insufficient data and the assumption that the bioconcentration/biomagnifications of PHC into wildlife food item was unlikely to be significant, CCME (2008a) did not consider toxicity data for mammals and avian in the development of their soil benchmark guidelines.

Dermal absorption is thought to have limited contribution to contaminant exposure in terrestrial mammals (CCME 2008a). Scientific studies have also shown that phyto-accumulation of PHC is limited, and therefore, direct ingestion of contaminated soil and groundwater are believed to be the major contributors to internal doses in mammals on agricultural settings.

CCME (2008a) has developed a guideline based on the toxicity of whole crude oil to cattle via water ingestion. A lowest documented effects dose of 2.1 g fresh crude/kg body weight/day was reported. This was divided by an uncertainty factor of 10 to obtain a Daily Threshold Effects Dose of 210 mg/kg bodyweight/d. This value was proportioned among all four PHC Fractions (F1-F4) according to their respective percentage composition in the crude oil. To convert these water toxicity values to a soil toxicity value, they were multiplied by the estimated daily water ingestion for cattle (100 L/d) and divided by an estimated body weight (550 kg).

Birds

The TRV for avian species is taken from Gorsline and Holmes (1982) based on exposures of mallard ducks to whole crude oil and distillation fractions prepared from the crude oil. Twenty-week old male ducks were fed each day for 10 days a supply of food contaminated with either south Louisiana crude oil (3 ml/100 g dry food) or a proportionate volume of one of the four distillation fractions of this crude oil. The study found that ingested petroleum appeared to interfere with adrenocortical function in a similar manner as chlorinated hydrocarbon pesticides. It also causes the naphthalene-metabolizing properties of the liver to increase significantly. Exposure to the crude oil induced hepatic mixed function oxidase activity by three or four-fold compared to the control birds. The study calculated a daily intake value for crude oil of 2.48 mg/kg-bodyweight based on the increased enzyme activity.

This value is for whole crude and not for a specific fraction. Therefore, the daily intake value was divided according to the CCME carbon percentage of each fraction (CCME 2008b).

Fish

No TRV for fish exposed to PHC was found in the literature.

1.14 Polyaromatic Hydrocarbons

Mammals

Animals may be exposed to polyaromatic hydrocarbons (PAHs) in soils either as the result of direct ingestion or indirect ingestion in food items. In general, the acute toxicity of PAHs to animals increases as the molecular weights increase (Kulig and Pike 2001). Animal studies have shown that exposure to PAHs can cause harmful effects on the skin, haematopoietic system, small intestine, kidneys, mammary gland and immune response (Shore and Rattner 2001). Other adverse effects include tumours and effects on reproduction, development and immune system. PAHs are metabolized in the liver, where toxicity is associated with cytochrome P450-mediated conversion of the parent compound to toxic metabolic intermediates (Shore and Rattner 2001).

With respect to the high molecular weight PAHs, the US EPA identified a geometric mean of the NOAEL values of 18 mg/kg bodyweight/d for growth and reproduction. However, as this value is higher than the lowest bounded LOAEL for reproduction, growth or mortality, the US EPA set their TRV to the highest bounded NOAEL below the lowest bounded LOAEL for reproduction, growth or survival which is 0.615 mg/kg bodyweight/d (US EPA 2014).

The TRV of 0.615 mg/kg-d was used for the following high molecular weight PAH (fluorene).

Birds

Clinical effects of PAH toxicity in birds are similar to that observed in mammals. The TRV of 0.615 mg/kg-d provided by US EPA (2014), which was used for mammals, was also used for birds.

Fish

The TRV of 0.0039 mg/L was adopted from ORNL (Sample et al. 1998) for fluorene based on studies with *Daphnia magna* by Trucco et al. (1983).

1.15 Selenium

Mammals

Eco-SSL reviewed 274 studies of selenium in mammals, and calculated a geometric mean of the NOAEL values for growth and reproduction of 0.437 mg/kg-d by the US EPA (2014). However, this value was higher than the lowest bounded LOAEL for reproduction, growth or mortality, and therefore, the TRV equalled the highest bounded NOAEL below the lowest bounded LOAEL for reproduction, growth and survival of 0.143 mg/kg-d.

Birds

A geometric mean of the NOAEL values for growth and reproduction from 219 published values was calculated as 0.606 mg/kg-d by the US EPA (2014). However, this value was higher than the lowest bounded LOAEL for reproduction, growth or survival, and therefore the TRV equalled the highest bounded NOAEL below the lowest bounded LOAEL for reproduction, growth and survival of 0.290 mg/kg-d.

Fish

In fish, selenium can cause reproductive effects, as reproductive organs are highly sensitive to its effects. The lowest chronic value from the Oak Ridge National Laboratory (Sample et al. 1998) is 0.08832 mg/L and was based on studies of rainbow trout during early life stages (Goettl and Davies 1976).

1.16 Silver

Mammals

Eco-SSL reviewed 13 studies of silver in mammals, but a minimum of three NOAEL values for growth and reproduction were not available. Therefore, the lowest LOAEL value for growth and reproduction was selected for derivation of the TRV. Using a safety factor of 10, the TRV of 6.02 mg/kg-d was used in the assessment.

Birds

Eco-SSL reviewed 22 studies of silver in avian species, but a minimum of three NOAEL values for growth and reproduction were not available. Therefore, the lowest LOAEL value for growth and reproduction was selected for derivation of the TRV. Using a safety factor of 10, the TRV of 2.02 mg/kg-d was used in the assessment.

Fish

The lowest chronic value for fish of 0.120 mg/L is based on early life stage for rainbow trout as reported by Davies et al. (1978).

1.17 Strontium

Mammals

Skoryna (1981) (as cited in Sample et al. 1998) studied the effects of strontium on rats over the course of three years. Four doses were administered, and since there were no adverse observed effects in the body weight and bone structure the highest dose was used as the no-observable-adverse-effect-level (NOAEL) and was calculated to be 263 mg/kg-d.

Birds

There were no studies available for avian species. As a result, the TRV for mammals of 263 mg/kg-d was used in the assessment for avian species.

Fish

The TRV of 1.5 mg/L was adopted from Sample et al. (1998) for strontium based on studies with *Daphnia magna* by Biesinger and Christensen (1972).

1.18 Vanadium

Mammals

A geometric mean of the NOAEL values for growth and reproduction from 101 results was calculated at 5.92 mg/kg-d by the US EPA (2014). However, this value was higher than the lowest bounded LOAEL for reproduction, growth or survival, and therefore the TRV equalled the highest bounded NOAEL below the lowest bounded LOAEL for reproduction, growth and survival of 4.16 mg/kg-d.

Birds

A geometric mean of the NOAEL values for growth and reproduction from 132 studies was calculated at 0.1.19 mg/kg-d by the US EPA (2014). However, this value was higher than the lowest bounded LOAEL for reproduction, growth or survival, and therefore the TRV equalled the highest bounded NOAEL below the lowest bounded LOAEL for reproduction, growth and survival of 0.344 mg/kg-d.

Fish

Holdway and Sprague (1979) conducted toxicity tests with vanadium and early life stages of rainbow trout. The test revealed a LCV of 0.08 mg/L of vanadium in fish. This chronic value was adopted as the TRV for vanadium exposure in fish.

1.19 Zinc

Mammals

The Eco-SSL for mammals was calculated by the US EPA (2014) based on a calculation of the geometric mean of the NOAEL values for reproduction and growth from 190 published results. The geometric mean of NOAEL values was 75.4 mg copper/kg bodyweight/d. As this TRV is expressed in dry weight, a wet weight conversion factor of 0.3 was applied which gave an adjusted value of 22.62 mg/kg-d (Suter and Sample 1994).

Birds

The Eco-SSL for birds was calculated by the US EPA (2014). This was based on a calculation of the geometric mean of the NOAEL values for growth and reproduction from 168 published results. The geometric mean of NOAEL values was 66.1 mg copper/kg-d. As this TRV is expressed in dry weight, a wet weight conversion factor of 0.3 was applied which gave an adjusted value of 19.83 mg/kg-d (Suter and Sample 1994).

Fish

Sephar (1976) conducted toxicity tests with zinc and the life-cycle of *Jordanella floridae*. The test revealed a chronic value of 0.036 mg/L of zinc in fish. This chronic value was adopted as the TRV for zinc exposure in fish.

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