APPENDIX G: SPECIAL RECEPTOR—CHILD DAYCARE SCENARIO

SUMMARY OF RESULTS

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Appendix G—Daycare Child

G-1.0 INTRODUCTION

Orbital ATK (ATK) has an intention to provide its employees a Daycare facility at the South Plant Main Administration Building. This Appendix provides a summary Human Health Risk Assessment (HHRA) for this Daycare scenario. This analysis uses the same emissions factors, the same air quality modeling results (air chemicals concentrations) and the same dose-response information from the OBOD HHRA to which it is appended. This HHRA provides the results of the risk calculations for the child Daycare population; it identifies key risk issues that arise for children at the proposed Daycare, and provides an uncertainty analysis for the risk calculations that are specific to this particular exposed population.

G-1.1 Overview of the Risk Assessment Process

Consistent with the Utah Division of Solid and Hazardous Waste (UDSHW) approved OBOD HHRA protocol (ATK, 2014) the risk assessment process uses the same four steps recommended by the US EPA for risk assessment (EPA, 1989; EPA, 2005a):

- Hazard Identification
- Exposure Assessment
- Toxicity Assessment, and
- Risk Characterization

The Hazard Identification portion of this supplemental HHRA calculates hazards and risks for the same chemicals of potential concern (COPCs), and uses the same emissions factors as those in the OBOD HHRA.

The Exposure Assessment focusses specifically on the South Plant Main Administration Building, which is also in the OBOD HHRA, and evaluates exposure for 1-hour, and 6 years of exposure. Exposure point concentrations are developed for each exposure averaging the air concentration developed in the OBOD HHRA over the appropriate duration of 1 hour, 6 years, and a 70 year lifetime.

The Toxicity Assessment uses 1-hour Reference concentrations for the full list of COPCs in the Hazard Identification, where Reference Concentrations were unavailable, surrogates were used. Reference Doses (RfDs) Reference Concentrations (RfCs), Oral Slope Factors (SFo) and Inhalation Unit Risks (IURs) are also taken from the Approved OBOD HHRA Protocol. The adjustment of SFo and IURs for a mutagenic Mode of Action (MOA) is also discussed.

The Risk Characterization provides a summary of the results of the risk assessment. The full results and model output are provided at the end of this appendix (Tables G-5 through G-14).

G-1.2 Summary of Results

A summary of the hazards and risks for a child attending the proposed daycare is provided below.

G-1.2.1 Acute Inhalation Hazards

The results of the risk assessment calculation for acute (1-hour) exposure by inhalation are provided in Table G-2, and show a HI of 3.8 assuming all sources are used at one time. When it is assumed that ATK's normal operating procedures are used the HI is 1.9, and in both cases the HI is influenced most by nickel.

It has been shown in the main body of the text for the OB/OD HHRA that nickel has a component contribution from the text pans, and when an adjustment is made for the amount of nickel from the test pans, the HI is 0.5.

G-1.2.2 Non-cancer Hazard Indices

The results of the risk assessment calculation for chronic non-cancer exposure by inhalation and ingestion are provided in Table G-3, and show a HI of 0.02. If it were assumed that ATK's normal operating emissions were adjusted for the contribution of nickel and chromium from the pans, the HI would not change, as shown in Table G-3. The chronic HI is driven largely by chlorine and aluminum, so the adjustment for nickel and chromium does not have an impact on the overall HI.

G-1.2.2 Excess Lifetime Cancer Risks

The results of the risk assessment calculation for chronic ELCR exposure by inhalation and ingestion are provided in Table G-4, and show an ELCR of 8.0E-8. If it were assumed that ATK's normal operating emissions were adjusted for the contribution of nickel and chromium from the test pans, the ELCR decreases to 8.5E-9. Chromium (VI) is the overall risk driver via inhalation, so the adjustment results in a decrease of an order of magnitude (factor of ten).

G-2.0 EMISSIONS, AIR QUALITY MODELING, AND HAZARD IDENTIFICATION

G-2.1 Emissions

As described in Section 2 of the OBOD HHRA, ATK's emissions were characterized in an OB/OD study conducted at Dugway Proving Grounds using waste profiles that were relatively constant for many years, and consisted predominantly of emissions from the disposal of 1.3-Class propellant wastes with small amounts of 1.1-Class wastes, contaminated waste, and visual distress flare manufacturing wastes. Also, as discussed in Section 2 of the OBOD HHRA, the emissions factors from OD/OB tests performed using ATK's 1.3-Class (ATK, 2009), and the 1.1-Class (ATK, 1998) wastes are considered when developing emissions factors for this risk assessment scenario. The approved-HHRA Protocol developed a conservative, but reasonable process for selecting chemical emissions factors from these tests for use in the risk assessment.

For the purpose of this risk assessment, for the Daycare Scenario, the modeled air quality results for the OB/OD HHRA were used. These amounts are described in Section 2.7 of the OB/OD HHRA, and are as follows:

- Chronic emissions come from processing 10.1 million pounds of material over the period of one year from M-136 A, B, and C, and M-225 A and B,
- A total of 10.1 million pounds of material is processed in accordance with ATK's internal Health and Safety processes that require processing occur under specific meteorological conditions.
- Acute emissions come from the processing of material from all sources under meteorological conditions that are likely to lead to the highest short-term air concentrations at a point of maximum impact, and at the selected receptors, including the South Plant Main Building, which is the proposed site of the Daycare.
- Acute emissions come from the processing of 126,500 pounds of material from M-136A1, A2, A3, and M-225 A under meteorological conditions that are likely to lead to the highest short-term air concentration at the South Plant Main Building, which is the proposed site of the Daycare. This scenario represents the actual worst case operating conditions because ATK does not operate all sources at one time.

For this analysis, the same chemicals used in the OBOD HHRA are included here, with the emissions factors shown in Table 2-1 of the OBOD HHRA.

G-2.2 Air Quality Modeling

As noted in Section 3 of the HHRA, CB&I conducted air quality modeling using a revised version of an OBOD model (OBODM) prepared by Tetra Tech/CB&I and approved by Utah DSHW in 2104 (CB&I, 2014). OBODM is specifically designed to predict the air quality impact from OB and OD treatment of obsolete weapons, solid rocket propellants, and associated manufacturing wastes. The OB and OD treatment of waste propellants and propellant-contaminated materials

can be classified as instantaneous events for OD treatment and as quasi-continuous events for OB treatment. The model is also designed to use either empirical emission factors such as those derived in the Dugway Proving Ground Bang Box™ studies or emissions predicted by a "products of combustion" model. OBODM calculates peak air concentration, time-weighted air concentrations, and dosage (time-integrated concentration) for OB and OD releases. It can also consider the effects on concentration and dosage of the gravitational settling and deposition of particulates.

The revised air quality assessment was conducted using this hybrid approach based on the emission rates and initial source parameters from OBODM and using these parameters in AERMOD to predict downwind dispersion and deposition. The details of this hybrid modeling approach are provided in CB&I, 2014. The approved work plan is summarized in Section 3 of the OBOD HHRA.

G-2.3 Hazard Identification

As noted above, Section 2 of the OBOD HHRA provides a summary of the COPCs and how the list was developed. Consistent with the HHRA, the list of COPCs (Table 2-1 of the OBOD HHRA, and not repeated here) contains detected and non-detected chemicals.

The chemicals chromium and nickel, that may have a component associated with the OB/OD test rather than the waste being burned, are evaluated without adjustment, and the potential contribution from the test is discussed in the uncertainty section of the OBOD HHRA, and in Section G-5.

G-3.0 EXPOSURE ASSESSMENT

This section of Appendix G describes the Daycare exposure scenario. In this scenario, a child is assumed to attend the proposed on-site Daycare at the South Plant Main Administration Building. This child scenario considers potential short-term non-cancer effects, and long-term non-cancer and cancer effects. The risk calculations use modeling data from the IRAP h-View model, using a modified Farmer Child scenario. Consistent with the HHRA protocol, short-term inhalation hazards are calculated using modeled air concentrations at the South Plant Main Administration Building.

G-3.1 Exposure Pathways

For an exposure pathway to be complete the following four components must be present:

- A source
- A transport mechanism
- A point of exposure, and
- A route of entry into the body

For 1-hour exposure, all sources are assumed to be active, which is not realistic. In addition, and in accordance with ATK's actual protocols, the 1-hour exposures were estimated assuming sources M136-A1, A2, A3, and M225 A are active. Also, M136 A is closest to the proposed Daycare and it will have the highest potential emissions for acute exposure. For chronic exposure, all sources areas are considered to be active at the emissions rates used in the OBOD HHRA. The transport mechanism is air dispersion and deposition from the source to the point of exposure, which is the South Plant Main Administration Building. For this exposure scenario, the exposure points are air and soil, and the routes of entry are inhalation and inadvertent soil ingestion, respectively.

G-3.2 Exposure Assumptions

It is assumed a child will spend 80 hours every two weeks at the Daycare, which is consistent with ATK's work schedule, for 50 weeks (2000 hours). Alternatively stated, it is also assumed the child would be exposed for the equivalent of 8 hours per day for 250 days per year (2000 hours)[1]. The age range of children attending is assumed to be 0 – 6 years old. Children older than 6 years old are assumed to attend elementary school at the age of 6 or higher, at an off-site location.

[1] Orbital utilizes a 9/80 work schedule which consists of working a nine-hour day Monday through Thursday in order to take every other Friday off. The schedule results in working 80 hours over nine days, instead of the traditional 10 days. The total number of hours worked per week averages out to 40-hours; the same as it would be working a traditional 8-hour per day, Monday through Friday schedule. The exposure assumptions for a daycare scenario listed above also equate to 40-hours per week, so no other adjustments are needed to the model input.

Consistent with the OBOD HHRA, risks are calculated using the Lakes IRAP h-View model by adjusting the Farmer Child Scenario pathways by turning off the food uptake and ingestion scenarios. Exposure assumptions will include:

- The concentration of the COPC in soil (C_{soil}) is calculated in the Lakes model
- A child exposed by inhalation to short-term (1-hour, non-cancer) air concentrations, and long term (annual chronic and non-cancer) air concentrations
- Exposure time (ET)(8 to 9 hours per day at the Daycare)
- Exposure frequency (EF)(250 days per year at the Daycare)
- Exposure duration (ED)(6 years)
- Child soil ingestion rate (IR) is 200 mg/day consistent with EPA's Exposure Factors Handbook (EPA, 2011a) recommended daily values for soil, dust and soil + dust ingestion)
- Child inhalation rate is consistent with EPA's Inhalation Risk Assessment Guidance (EPA, 2009)
- The child acute non-cancer averaging time (AT) is 1 hour
- The child body weight (BW) is 15kg.
- The child chronic non-cancer averaging time is 52,560 hours (24 hours x 365 days x 6 years)
- The child chronic cancer averaging time (AT) is 613,200 hours (24 hours x 356 days x 70 years)

It is assumed that food and water sources will not be affected.

G-3.3 Intake Rates

It is assumed a child is exposed by inadvertent soil ingestion and inhalation.

G-3.3.1 Ingestion

The intake for ingestion exposure is given by the following equation, and is calculated within the Lakes Model for the child scenario using the rates provided above:

$$I = \frac{C_{soil} \times IR \times EF \times ED}{AT \times BW}$$

The averaging time for chemicals with non-cancer effects is the same as the exposure duration (6 years), and the averaging time for chemicals with potential cancer effects is 70 years.

Soil ingestion rates are calculated by the Lakes Model, by assuming an adjusted farmer child scenario, with the ingestion of soil calculation included, and the ingestion of food (meats, vegetables, fruit and milk, etc.) excluded from the model calculation. The results are not saved as an output from the model but are used directly in the model to calculate the ingestions risks and hazards for the daycare child scenario.

G-3.3.2 Inhalation

Inhalation exposure considers short-term (1-hour) exposure, and longer-term (6 years) exposure to calculate potential hazards and risks for this scenario.

Short-term hazards are calculated using the estimated 1-hour maximum air chemical concentrations calculated by air quality model and taken as output from the Lakes Model for the daycare location (the South Plant Main Building) and dividing them by the 1-hour REL concentrations provided in Tables 8-1 and 8-2 of the OB/OD HHRA. In the short-term hazard calculation there is no averaging time adjustment and the hazards is calculated directly as shown below:

$$Hazard = \frac{1\ hour\ air\ concentration}{CalEPA\ 1\text{-}hour\ REL} \qquad \text{Equation G-1}$$

The results of this calculation are discussed in Section G-5.

The long-term inhalation hazards and risks are calculated within the Lakes Model using the estimated long-term annual average air chemical concentrations (calculated by air quality modeling, under conservative air quality conditions) for the daycare location (the South Plant Main Building) by calculating an exposure point concentration (EPC) for a child scenario using the equation below, and the exposure rates provided above:

$$EPC = \frac{C_{air} \times IR \times ET \times EF \times ED}{AT} \qquad \text{Equation G-2}$$

The averaging time (AT) for chemicals with non-cancer effects is the same as the exposure duration (6 years), and the averaging time for chemicals with potential cancer effects is 70 years. The EPCs are maintained in the model and the results of the risk calculations are calculated directly.

G-4.0 TOXICITY ASSESSMENT

The toxicological dose-response factors used in this exposure scenario are consistent with those in the IRAP h-View model, with the updates, and modifications in the OBOD HHRA approved by the Utah DSHW. A summary of the sources and adjustments is provided below.

G-4.1 Acute Non-Cancer Dose-Response Factors

Based on EPA's 2005 Incineration Guidance (EPA, 2005a; Section 7), short-term ambient air concentrations are evaluated by comparison to short-term air criteria developed from short-term dose-response studies in humans and animals. The source of short-term criteria is selected based on the following agreed hierarchy:

1. Cal/EPA Acute Reference Exposure Levels (RELs) – the concentration in air at or below which no adverse health effects are anticipated in the general population, including sensitive individuals, for a specified exposure period.
2. Acute inhalation exposure guidelines (AEGL-1) – "the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic non-sensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure."
3. Level 1 emergency planning guidelines (ERPG-1) – "the maximum concentration in air below which it is believed nearly all individuals could be exposed for up to one hour without experiencing other than mild transient adverse effects or perceiving a clearly defined objectionable odor."
4. Temporary emergency exposure limits (TEEL-1) - "the maximum concentration in air below which it is believed nearly all individuals could be exposed without experiencing other than mild transient adverse health effects or perceiving a clearly defined objectionable odor."
5. AEGL-2 values – "the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience irreversible or other serious, long-lasting adverse health effects or an impaired ability to escape." AEGL-2 values are to be used only if lower ERPG-1 or TEEL-1 values are not available. (NOAA, 2001), or more recent version.

In the evaluation of acute risk, (1-hour) modeled air concentrations were compared with the short-term (1-hour) air goal concentrations selected using this hierarchy. The most recent sources of short-term air concentrations are available from Cal-EPA and the Department of Defense (DOD). Where these sources did not contain a short-term air goal, a surrogate value was developed based on carbon chain length, structure and class of chemical (using professional judgment). The list of 1-hour reference air concentrations is provided in Tables 8-1 and 8-2 of the OBOD HHRA, the values are not repeated here. These values were developed in conjunction with the Utah DSHW, who agreed these values.

G-4.2 Chronic Non-Cancer Dose-Response Values

Chronic toxicity values were selected based on the EPA OSWER Directive titled *Human Health Toxicity Values in Superfund Risk Assessment* (EPA, 2003b). This hierarchy is shown below:

1. Integrated Risk Information System (IRIS) (http://www.epa.gov/iris/)
2. Provisional Peer Reviewed Toxicity Values (PPRTVs) (2004a) which are developed by the EPA Office of Research and Development/ National Center for Environmental Assessment/Superfund Health Risk Technical Support Center and available since mid March 2004 on their website (http://hhpprtv.ornl.gov/pprtv.shtml)
3. Other sources, including the Health Effects Assessment Summary Tables (HEAST) and the Cal EPA.

Toxicological information, such as reference doses (RfDs), inhalation reference concentrations (RfCs) are used in accordance with the hierarchy established above.

Two types of chronic dose-response values are used in the risk assessment for non-cancer effects: Inhalation RfCs, and Oral RfDs. The chemicals with updated toxicity criteria that are used in this risk assessment are provided in Tables 8-3, and 8-4 of the OB/OD HHRA, respectively.

Toxicological dose-response information is contained in the Lakes software, based on EPA, 2005, therefore, a number of the dose-response factors were out of date. In preparation for this risk assessment dose-response factors in the model were reviewed and updated with dose-response factors from the above hierarchy, and included in the Protocol (ATK, 2014a) and approved by the Utah DSHW.

G-4.3 Chronic Cancer Dose-Response Values

Toxicological information, such as Cancer Slope Factors (CSFs), and Inhalation Unit Risk Factors (URFs) are used in accordance with the hierarchy established in Section G-4.2, above.

Two types of chronic dose-response values for cancer effects are used in the risk assessment, URFs and Oral Slope Factors (SF_o). The chemicals with updated toxicity criteria that are used in this risk assessment are provided in Tables 8-5 and 8-6 of the OBOD HHRA, respectively.

G-4.4 Age-Dependent Adjustment Factors (ADAFs)

Based on EPA's *Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens* (EPA, 2005b) on early life stage exposure, chemicals with the ability to cause cancer through actions on DNA are evaluated as having a higher potency on children. A number of these are polynuclear aromatic hydrocarbons (PAH), but the list also includes hexavalent chromium (Cr(VI)), and some chlorinated solvents. A summary overview of the process was prepared by the Navy, and is provided in Appendix D of the OB/OD HHRA because it provides a concise summary of the issues related to early-life stage exposure to carcinogens.

The supplemental guidance recommends that, *in some cases*, when carcinogens have a mutagenic MOA, it may be appropriate to apply a default safety factor called an age-dependent adjustment factor (ADAF) to risk calculations when evaluating cancer risk associated with exposure for children ages 0 to 16 years. In the case of the Daycare scenario it would be for the first six years of life.

The chemicals with a mutagenic MOA were identified using the EPA's Regional Screening Levels (RSL) tables, and where possible source documents from the RSLs or through research into the literature available. In some cases the documentation justifying a mutagenic MOA and a potential effect on DNA during early life stage exposures are poor and the mutagenic MOA for a specific exposure pathway is assumed. The literature sources identifying the chemicals with a mutagenic MOA are discussed below.

Unfortunately, ADAFs were not included in the Lakes risk assessment model in 2005, and although it was their intention to update the model in 2014, no updated model is available at this time. Further, the Lakes model does not provide a subdivision of Early-life stages for children age 0 to 16 years of age, and the recommended method of calculating risks for early-life stages in the Lakes model is to modify the Oral Cancer Slope Factor (SFo) or Inhalation Unit Risk (IUR) by multiplying the SFo or IUR by the default ADAF, and averaging over the exposure period, as shown in the example equations in Appendix D of the OB/OD HHRA for benzo[a]pyrene (B[a]P) and trichloroethene. This method is consistent with the method used by the EPA's RSLs.

Table G-1 shows the SFo that will be used and the IUR Factors. These factors will be used for the receptors in the HHRA (Child Daycare scenario with age-adjusted factors applied for 6 years of exposure).

G-4.4.1 Benzo[a]pyrene (B[a]P)

The mutagenic MOA for this chemical is based on EPA, 2005b. There is a draft toxicological profile for B[a]P available from EPA (EPA, 2014), and this profile justifies the use of age-dependent adjustment factors (ADAFs) for both oral and inhalation exposure. Cancer dose-response values for both routes of exposure have been modified to include ADAFs. EPA (2006) states: "When assessing early-life exposure for PAHs using such an approach, the ADAF(s) should

be applied to the B[a]P slope factor before using relative potency factors to estimate risk from exposure to other PAHs." Examples of the process by which ADAFs were derived are shown in Appendix D of the OB/OD HHRA.

G-4.4.2 Benzo[a]anthracene

The mutagenic MOA for this chemical is based on EPA, 2005b. There is poor documentation concerning this chemicals MOA, and it is assumed mutagenic based on the action of B[a]P. A toxicity equivalency factor of 0.1 has been used to develop the ADAF adjusted IUR) Factor and SFo.

G-4.4.3 Benzo[b]fluoranthene

The mutagenic MOA for this chemical is based on EPA, 2005b. There is poor documentation concerning this chemicals MOA, and it is assumed mutagenic based on the action of B[a]P. A toxicity equivalency factor of 0.1 has been used to develop the ADAF adjusted IUR and SFo.

G-4.4.4 Benzo[k]fluoranthene

The mutagenic MOA for this chemical is based on EPA, 2005b. There is poor documentation concerning this chemicals MOA, and it is assumed mutagenic based on the action of B[a]P. A toxicity equivalency factor of 0.01 has been used to develop the ADAF adjusted IUR and SFo.

G-4.4.5 Chrysene

The mutagenic MOA for this chemical is based on EPA 2005b. There is poor documentation concerning this chemicals MOA, and it is assumed mutagenic based on the action of B[a]P. A toxicity equivalency factor of 0.001 has been used to develop the ADAF adjusted IUR and SFo.

G-4.4-6 Dibenz[a,h]anthracene

The mutagenic MOA for this chemical is based on EPA, 2005b. There is poor documentation concerning this chemicals MOA, and it is assumed mutagenic based on the action of B[a]P. A toxicity equivalency factor of 1.0 has been used to develop the ADAF adjusted IUR and SFo.

G-4.4.7 Indeno[1,2,3-c,d]pyrene

The mutagenic MOA for this chemical is based on EPA, 2005b. There is poor documentation concerning this chemicals MOA, and it is assumed mutagenic based on the action of B[a]P. A toxicity equivalency factor of 0.1 has been used to develop the ADAF adjusted IUR and SFo.

G-4.4.8 Hexavalent Chromium

The mutagenic MOA for this chemical by the oral route of exposure is based on the California EPA's public health goals document (Cal EPA, 2011). There is good documentation concerning

Cr(VI)'s MOA via the oral route of exposure. ADAFs were used to modify the SFo, as shown in Table G-1.

Evidence for the mutagenic MOA for Cr(VI) by the inhalation route of exposure is ambivalent. A research paper by Proctor, *et. al* (2014), which is provided in Appendix F of the OB/OD HHRA, states: "*In vivo* genotoxicity and mutagenicity data are mostly negative and do not support a mutagenic MOA. Cal EPA has presented information indicating that Cr(VI) is carcinogenic by a mutagenic MOA via inhalation. To be conservative, an ADAF has been applied for the potency of Cr(VI) by inhalation, as shown in Table G-1.

G-4.4.9 Methylene Chloride

The mutagenic MOA for this chemical by the oral route of exposure is based on the EPA IRIS file (EPA, 2011). There is documentation concerning this chemical's MOA via the oral route of exposure using in vitro and in vivo tests, and ADAFs were used to modify the SFo, as shown in Table G-1.

The mutagenic MOA for this chemical by the inhalation route of exposure is based on the EPA IRIS file (EPA, 2011b). There is documentation concerning this chemical's MOA via the oral route of exposure using in vitro and in vivo tests, but no clear mechanism for the MOA via the inhalation route has been demonstrated. However, ADAFs were used to modify the IUR Factor as if methylene chloride has a mutagenic MOA by this route of exposure, as shown in Table G-1.

G-4.4.10 n-Nitrosodiethylamine

The mutagenic MOA for this chemical is based on EPA 2005a. There is a no IRIS toxicological profile available for this chemical and the mechanism by which this chemical has a mutagenic MOA in animal systems has not been elucidated. The IUR and SFo include an ADAF for mutagenic MOA (Table G-1).

G-4.4.11 n-Nitrosodimethylamine

The mutagenic MOA for this chemical is based on EPA 2005a. There is a no IRIS toxicological profile available for this chemical and the mechanism by which this chemical has a mutagenic MOA in animal systems has not been elucidated. The IUR and SFo include an ADAF for mutagenic MOA (Table G-1).

G-4.4.12 Trichloroethene

The mutagenic MOA for this chemical by the oral route of exposure is based on the EPA IRIS file (EPA, 2005b). There is documentation concerning the MOA for this chemical via the oral route of exposure using in vitro and in vivo tests, and a mechanism for the MOA has been provided. ADAFs, in addition to other adjustments factors, were used to modify the oral slope factor, as shown in Table G-1.

The mutagenic MOA for this chemical by the inhalation route of exposure is based on the EPA IRIS file (EPA, 2005b). There is documentation concerning this chemicals MOA via the inhalation route of exposure using in vitro and in vivo tests, and a mechanism for the MOA has been provided. ADAFs, in addition to other adjustments factors, were used to modify the inhalation unit risk, as shown in Table G-1.

Additional adjustment factors were used to modify the toxicity values for trichloroethene (TCE). The Regional Screening Table User's Guide (EPA, 2015) recommends incorporating two separate adjustment factors, in addition to the default ADAFs, into the calculation for TCE. The factors are the Cancer Adjustment Factor (CAF) and the Mutagen Adjustment Factor (MAF).

Cancer Adjustment Factor (CAF)

EPA's Integrated Risk Information System (IRIS) Chemical Assessment Summary identifies three carcinogenic end points for TCE via oral exposure: kidney cancer, non-Hodgkins lymphoma (NHL), and liver cancer. Two of these end-points (NHL, and liver cancer) are considered to develop through a mechanism that does not involve a mutagenic MOA. Therefore, the potency of TCE for these two outcomes is different for a lifetime of exposure compared with the kidney cancer outcome. To account for this, the proportional contribution of TCE for these two end-points is calculated separately (CAF) and added to that TCE's cancer potency from its mutagenic MOA Mutagenic Adjustment Factor (MAF).

The CAF is calculated by taking the ratio of the NHL+liver cancer SFo and the adult SFo as follows:

$$CAF_o = \frac{3.7E-2\ (mg\ per\ kg-day)^{-1}}{4.6E-2\ (mg\ per\ kg-day)^{-1}} = 0.804$$

A similar calculation is undertaken to determine the CAF for the inhalation route, by taking the ratio of the NHL+liver inhalation unit risk factor and the adult inhalation unit risk factor:

$$CAF_i = \frac{3.1E-6\ (mg\ per\ kg-day)^{-1}}{4.1E-6\ (mg\ per\ kg-day)^{-1}} = 0.756$$

Mutagenic Adjustment Factor (MAF)

EPA has concluded by a weight-of-evidence evaluation, that TCE is carcinogenic by a mutagenic mode of action for induction of kidney tumors (EPA, 2011c), and those exposed to carcinogens with a mutagenic mode of action are assumed to have increased early-life susceptibility. Data for TCE are not sufficient to develop separate risk estimates for childhood exposure. The oral slope factor of 4.6×10^{-2} per milligram per kilogram per day $(mg/kg/day)^{-1}$, calculated from data from

adult exposure, does not reflect presumed increase early-life susceptibility to kidney tumors for this chemical. Generally, the application of ADAFs is recommended when assessing cancer risks for a carcinogen with a mutagenic MOA. However, the ADAF adjustment applies only to the kidney cancer component of the total cancer risk estimate, and the MAF for the oral route is calculated by taking the ratio of the kidney SFo and the adult SFo as follows:

$$MAF_o = \frac{9.3E-3\ (mg\ per\ kg-day)^{-1}}{4.6E-2\ (mg\ per\ kg-day)^{-1}} = 0.202$$

A similar calculation is used to determine the MAF for the inhalation route, by taking a ratio of the kidney IUR Factor and the adult IUR Factor:

$$MAF_i = \frac{1.0E-6\ (\mu g/m^3)^{-1}}{4.1E-6\ (\mu g/m^3)^{-1}} = 0.244$$

The CAFs and MAFs are multiplied by the default ADAFs, to develop an overall adjustment factor for TCE. These calculations are provided in Appendix D of the OB/OD HHRA.

G-4.4-13 Vinyl Chloride

The mutagenic MOA for this chemical by the oral route of exposure is based on the EPA IRIS file (EPA, 2000). There is documentation concerning the MOA for this chemical via the oral route of exposure using in vitro and in vivo tests, and a mechanism for the MOA is provided in the IRIS file. The SFo of 7.2E-1 $(mg/kg/day)^{-1}$ shown for an adult in Table G-1 represents continuous lifetime exposure during adulthood. The SFo of 1.4 represents continuous lifetime exposure from birth, as presented on EPA's IRIS website (EPA, 2015). The value of 1.4 will be used in the mutagenic calculations for the Daycare Child. According to EPA, this is considered to be the most appropriate way to handle early life susceptibility to vinyl chloride.

The mutagenic MOA for this chemical by the inhalation route of exposure is based on the EPA IRIS file (EPA, 2000). There is documentation concerning the MOA for this chemical via the inhalation route of exposure using in vitro and in vivo tests, and a mechanism for the MOA is provided in the IRIS file. The inhalation unit risk value of 4.4E-6 $(\mu g/m^3)^{-1}$ shown for an adult in Table 2 represents continuous lifetime exposure during adulthood. The modified value of 8.8E-6 $(\mu g/m^3)^{-1}$ represents continuous lifetime exposure from birth, as presented on EPA's IRIS website (EPA, 2015). The value of 8.8E-6 $(\mu g/m^3)^{-1}$ is used to calculate risks and assumes a mutagenic MOA for inhalation exposure for the Daycare Child scenario.

G-5.0 RISK CHARACTERIZATION

This section provides the results of the risk analysis for the Daycare Scenario. For chemicals with non-carcinogenic effects, the results of the EPC divided by the acceptable air concentration (REL, or RfC) is called the Hazard Quotient, when the HQs are added together the result is the Hazard Index (HI). The risk and hazard results are summarized in Tables G-2 through G-4 and on Figure G-1.

G-5.1 Acute Hazard Quotients

The maximum 1-hour air COPC concentrations for worst case conditions from the air quality model were compared with the 1-hour RELs, as shown in Equation G-1. The results for the six chemicals with the highest HQs, and the Hazard Index are shown in Table G-2. The results for all of the chemicals are provided in Table G-9.

When it is assumed that all sources are active at one time the HI is greater than one (3.8), and nickel has the highest HQ (2.9). This highest hazard is from the hypothetical situation of operating with all of the sources active at one time. When the ATK safety protocols are followed the amount of material processed is reduced and the modeled maximum air concentration at the South Plant Main Building is lower, and the associated hazards are lower (Table G-2), but still greater than one (1.9).

When the emissions are adjusted for the presence of nickel and chromium that was potentially contributed by the emissions test, the HI is less than one. However, as noted in the uncertainty section of the OB/OD HHRA (Section 10) the source of nickel is believed to be the test pans. If the nickel is reduced by the factor associated with the test pans the HI is below one (0.5).

G-5.2 Chronic Hazard Quotients

The long-term inhalation hazards are calculated within the Lakes Model using the following equation:

$$Hazard\ Quotient = \frac{Exposure\ Point\ Concentration}{Reference\ Concentration} \qquad \text{Equation G-3}$$

For chronic non-cancer hazards the estimated air concentrations at the South Plant Main Building were converted to exposure point concentrations that were compared with their reference concentrations. The results are provided in Table G-3, and the summed Hazard Index is 2.0E-2. The chronic HI is driven largely by chlorine and aluminum via the inhalation pathway, so the adjustment for nickel and chromium does not have an impact on the overall HI.

Although the inadvertent ingestion of soil at a proposed daycare center is a potentially complete pathway, this pathway contributes very little to chronic hazards, as shown in Table G-3. The calculated chronic hazards from all of the COPC are included in Table G-10, and the calculation showing how the chronic hazards were adjutsed for chromium and nickel is presented in Table G-14.

G-5.3 Excess Lifetime Cancer Risks

The long-term inhalation excess lifetime cancer risks (ELCR) are calculated within the Lakes Model using the following equation:

$$ELCR = EPC \times IUR \qquad \text{Equation G-4}$$

Table G-4 shows the ELCR for the six chemicals with the highest risks, and the summed risk for all chemicals added together. The ELCR is 8.0E-8, which is less than 1E-6. The inhalation pathway has higher risks than the ingestion pathway and the risks from hexavalent chromium figure prominently in both pathways. After adjusting for the contribution of chromium and nickel in the test pans, the ELCR decreases to 8.5E-9. The calculated risks from all of the COPC are included in Table G-10, and the calculation showing how the risks were adjusted for chromium and nickel is presented in Table G-13.

G-6.0 UNCERTAINTY IN THE DAYCARE SCENARIO

The uncertainty section of the OB/OD HHRA provides a lengthy description of the uncertainties in the risk assessment process. The reader is referred to Section 10 of the HHRA for more details. However, there are several uncertainties that are specific to the child daycare exposure scenarios that warrant further discussion, which is provided below:

- Air quality modeling assumes worse case meteorological conditions, and the concentrations used are likely to overestimate the exposure point air concentration.
- Adjusting the amount of material processed to reflect actual operating conditions.
- Adjusting the amount of nickel and chromium that may have contributed from the OB/OD emissions testing.
- The basis for the 1-hour acute values used to evaluate the potential hazards from the chemical that have the highest hazard quotients: nickel, chlorine, aluminum, and hydrogen chloride, and
- The use of these values relative to children.

G-6.1 Air Quality Modeling

The estimated 1-hour air chemical concentrations are likely overestimated because the air quality modeling used to calculate risks for 1-hour exposure are based on worst case air conditions. These conditions might occur from time to time, but are not the common condition. However, the conditions exist from time to time, and so are important to understand.

Acute Non-Cancer Hazard Uncertainty for Actual Conditions

There is uncertainty in the hazard index when it is assumed that all sources are used at the same time because ATK does not allow this to occur for safety reasons. Assuming all sources are active is likely to overestimate actual exposure. Assuming normal operating conditions the 1-hour exposure Hazard Index is 1.9, with nickel responsible for a HQ of 1.5 (79%) of the HQ.

G-6.2 Acute Non-Cancer Hazard Uncertainty for Adjusted Ni and Cr

As discussed in the uncertainty section of the HHRA, it was shown that there was more nickel and chromium found in the emissions from the emission release tests than was reasonably anticipated based on the nickel and chromium in the test materials. Based on an examination of the potential sources in the emissions test, the source of additional nickel and chromium was believed to be the chromium steel pans used in the test. The process routinely used by ATK reuses steel pans, which have been depleted of nickel and chromium with use, meaning that the nickel emissions estimated to give the HQ of 1.5 are not available and an HQ of 0.03 is more realistic, and so would not lead to potential non-cancer effects. The details of the adjusted acute hazards are presented in Table G-12.

G-6.3 The Basis for Acute Non-Cancer Dose-Response

The 1-hour acute dose-response values are provided in Tables 8-1 and 8-2 of the OB/OD HHRA, and are taken from Cal EPA's 2008 RELs document (revised July, 2014). The 1-hour acute REL concentration of 0.2 micrograms of nickel per cubic meter (μg Ni/m^3) was derived using the study of Graham et al. (1978) as the basis. It involved exposing groups of mice to 100 to 490 μg of nickel chloride per cubic meter, and each group was compared with its own controls. Exposure caused depressed antibody response, an extrapolation Bench Mark Dose of 165 μg Ni/m^3 was developed for 2 hours of exposure, and cumulative uncertainty factors of 1000 were used to develop the 1-hour REL of 0.2 μg Ni/m^3.

Therefore, there are uncertainty factors of 1000 in the extrapolation process from animal exposure to a potential human outcome. The calculated risks and hazards associated with nickel are likely to be overestimated.

G-6.4 The Basis for Acute Non-Cancer Dose-Response Relative to Children

The second highest HQ after nickel is chlorine, which has a REL of 210 μg/m^3 developed by Cal EPA. The REL was developed by exposing human volunteers to chlorine in air for 8-hours, and the reported end point of itching and burning of the throat. An uncertainty factor of ten was applied to the extrapolated REL. Therefore, the calculated hazards associated with chlorine are likely to be overestimated, however for some individuals that may be more sensitive the hazards could be underestimated.

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Appendix G—Daycare Child

TABLES

Appendix G—Daycare Child

Table G-1 Oral Slope and Inhalation Unit Risk Factors for Chemicals with a Mutagenic Mode of Action for use in the Lakes Model Daycare Scenario OBOD HHRA at Promontory		
COPC	Oral Slope Factors† for a Daycare Scenario Child (0-6 Years)	Inhalation Unit Risk†† Factors for a Daycare Scenario Child (0-6 Years)
Age-dependent Adjustment Factor	5.3	5.3
Benzo[a]pyrene	38.7	5.8E-03
Benzo[a]anthracene	3.87	5.8E-04
Benzo[b]fluoranthene	3.87	5.8E-04
Benzo[k]fluoranthene	3.9E-1	5.8E-04
Chrysene	3.9E-2	5.8E-05
Dibenz(a,h)anthracene	38.7	6.4E-03
Indeno[1,2,3-c,d]pyrene	3.87	5.8E-04
Hexavalent Chromium	2.7	4.5E-1
Methylene Chloride	1.1E-2	5.3E-08
n-Nitrosodiethylamine	795	2.3E-01
n-Nitrosodimethylamine	270	7.4E-02
Trichloroethylene	0.24	2.2E-05
Vinyl Chloride[1]	1.4	8.8E-06

† Units are $(mg/kg/day)^{-1}$
†† Units are $(\mu g/m^3)^{-1}$
1. The oral slope factor for vinyl chloride has been adjusted in accordance with the IRIS file (EPA, 2000) to account for continuous lifetime exposure from birth.
2. The inhalation unit risk for vinyl chloride has been adjusted in accordance with the IRIS file (EPA 2000) to account for continuous lifetime exposure from birth

TABLE G-2
SHORT-TERM (1-HOUR) NON-CANCER HAZARD INDICES
CHILD DAYCARE SCENARIO, SOUTH PLANT, MAIN BUILDING, PROMONTORY

Chemical of Interest	Hazard Quotient All Sources (a)	Hazard Quotient Limited Sources (b)	Hazard Quotient Limited Sources (c)
South Plant Main Building			
Nickel	**2.9**	**1.5**	0.03
Chlorine	0.6	0.3	0.3
Aluminum	0.1	0.07	0.07
Hydrogen chloride	0.09	0.04	0.04
Benzene	0.04	0.02	0.02
Arsenic	0.03	0.01	0.01
All chemicals Hazard Index	**3.8**	**1.9**	0.5

An Index of one or less is acceptable under Utah Rule 307, and values that exceed one are shown in **BOLD**

(a) All sources; includes M-136 A1, A2, A3, B, C13, C14, M-225 A and M-225 B. This scenario is not realistic and would not occur. It represents an overestimation of the Hazards.

(b) Sources M-136 A1, A2, A3 and M-225 A (126,500 lbs) were selected to represent actual operating conditions.

(c) Sources M-136 A1, A2, A3 and M-225 A (126,500 lbs) with actual operating conditions, and the hazards associated with Cr(VI) and Ni were adjusted by factors of 0.05 and 0.017, respectively

TABLE G-3 CHRONIC (6-YEAR) INHALATION AND INGESTION NON-CANCER HAZARDS CHILD DAYCARE SCENARIO, SOUTH PLANT, MAIN BUILDING, PROMONTORY			
Chemical of Interest (Six COPCs with the Highest Risk)	**Inhalation Hazard Quotient (a)**	**Chemical of Interest (Six COPCs with the Highest Risk)**	**Ingestion Hazard Quotient (a)**
South Plant Main Building			
Chlorine	1.7E-02	Phosphorous	2.7E-09
Aluminum	1.7E-03	TetraCDD, 2,3,7,8-	9.8E-10
Manganese	4.0E-04	Hydrogen chloride	4.8E-10
Hydrogen chloride	1.9E-04	Chromium (VI)	2.1E-10
Nickel	1.4E-04	4,6-Dinitro-2-methylphenol	1.2E-10
Chromium (VI)	1.9E-05	Lead	2.8E-11
Summed Hazard Index	2.0E-2		4.6E-9
Adjusted Hazard Index	2.0E-2		

An Index of one or less is acceptable under Utah Rule 307

(a) All sources; includes M-136 A1, A2, A3, B, C13, C14, M-225 A and M-225 B.

(b) The HI associated with inhalation of Cr(VI) and Ni were adjusted by factors of 0.05 and 0.017, respectively.

TABLE G-4
CHRONIC EXCESS LIFETIME CANCER RISKS CHILD DAYCARE SCENARIO, SOUTH PLANT, MAIN BUILDING, PROMONTORY

Chemical of Interest (Six COPCs with the Highest Risk)	Inhalation ELCR (a)	Chemical of Interest (Six COPCs with the Highest Risk)	Ingestion ELCR (a)
South Plant Main Building			
Chromium (VI)	7.5E-8	PentaCDF, 2,3,4,7,8-	2.7E-13
N-Nitrosodiethylamine	2.4E-9	Chromium (VI)	1.3E-13
4-Aminobyphenyl	1.2E-9	4-Aminobyphenyl	1.3E-13
n-Nitrosodimethylamine	7.7E-10	HexaCDF, 1,2,3,4,7,8-	9.9E-14
Nickel	2.8E-10	2-Naphthylamine	9.5E-14
n-Nitrosomethylethylamine	1.1E-10	HexaCDF, 2,3,4,6,7,8-	7.2E-14
Summed ELCR	8.0E-8		1.1E-12
Adjusted ELCR	8.5E-9[(b)]		

A ELCR of one in one million (1E-6) or less or less is acceptable under Utah Rule 307

(a) All sources; includes M-136 A1, A2, A3, B, C13, C14, M-225 A and M-225 B.

(b) The ELCR associated with inhalation of Cr(VI) and Ni were adjusted by factors of 0.05 and 0.017, respectively.

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Receptor Name	***COPC Name***	***CAS Number***	***Maximum Soil Concentration [mg COPC/kg Soil]***
South Plant Main Adm	1,2,3-Trimethylbenzene	526-73-8	2.18E-13
South Plant Main Adm	1,2,4-Trimethylbenzene	95-63-6	1.12E-11
South Plant Main Adm	1,4-Diethylbenzene	105-05-5	1.15E-12
South Plant Main Adm	1-butene	106-98-9	1.03E-14
South Plant Main Adm	1-chloronapthalene	90-13-1	1.55E-12
South Plant Main Adm	1-Naphthylamine	134-32-7	1.09E-09
South Plant Main Adm	2,2,4-trimethylpentane	540-84-1	1.27E-15
South Plant Main Adm	2,2-dimethylbutane	75-83-2	2.22E-15
South Plant Main Adm	2,3,4-trimethylpentane	565-75-3	2.03E-14
South Plant Main Adm	2,3-dimethylbutane	79-29-8	3.42E-15
South Plant Main Adm	2,3-dimethylpentane	565-59-3	1.56E-14
South Plant Main Adm	2,4-dimethylpentane	108-08-7	5.20E-15
South Plant Main Adm	2,5-dimethylbenzaldehyde	5779-94-2	2.45E-09
South Plant Main Adm	2,6-dichlorophenol	87-65-0	9.78E-11
South Plant Main Adm	2-ethyltoluene	611-14-3	2.47E-13
South Plant Main Adm	2-hexanone	591-78-6	8.26E-13
South Plant Main Adm	2-methylhexane	591-76-4	6.08E-13
South Plant Main Adm	2-methylnaphthalene	91-57-6	3.69E-10
South Plant Main Adm	2-methylpentane	107-83-5	5.05E-15
South Plant Main Adm	2-naphthylamine	91-59-8	7.93E-08
South Plant Main Adm	3-ethyltoluene	620-14-4	4.77E-09
South Plant Main Adm	3-methylheptane	589-81-1	5.51E-15
South Plant Main Adm	3-methylhexane	589-34-4	3.46E-13
South Plant Main Adm	3-methylpentane	96-14-0	9.41E-15
South Plant Main Adm	4,6-dinitro-2-methylphenol	534-52-1	1.09E-09
South Plant Main Adm	4-aminobyphenyl	92-67-1	8.03E-09
South Plant Main Adm	4-ethyltoluene	622-96-8	2.79E-12
South Plant Main Adm	Acenaphthene	83-32-9	2.51E-10
South Plant Main Adm	acenaphthylene	208-96-8	9.70E-10
South Plant Main Adm	Acetaldehyde	75-07-0	1.24E-12
South Plant Main Adm	Acetone	67-64-1	9.16E-12
South Plant Main Adm	Acetonitrile	75-05-8	4.67E-13
South Plant Main Adm	Acetophenone	98-86-2	2.74E-11
South Plant Main Adm	Acrylonitrile	107-13-1	5.54E-13
South Plant Main Adm	aluminum	7429-90-5	2.13E-06
South Plant Main Adm	Aniline	62-53-3	7.28E-10
South Plant Main Adm	Anthracene	120-12-7	2.70E-10
South Plant Main Adm	Antimony	7440-36-0	1.47E-11
South Plant Main Adm	Arsenic	7440-38-2	1.83E-14
South Plant Main Adm	Barium	7440-39-3	6.35E-09
South Plant Main Adm	Benzaldehyde	100-52-7	1.67E-09
South Plant Main Adm	Benzene	71-43-2	6.36E-13
South Plant Main Adm	Benzo(a)anthracene	56-55-3	3.29E-09
South Plant Main Adm	Benzo(a)pyrene	50-32-8	3.87E-10

Receptor Name	***COPC Name***	***CAS Number***	***Maximum Soil Concentration [mg COPC/kg Soil]***
South Plant Main Adm	Benzo(b)fluoranthene	205-99-2	3.37E-09
South Plant Main Adm	benzo(g,h,i)perylene	191-24-2	4.87E-08
South Plant Main Adm	Benzo(k)fluoranthene	207-08-9	2.29E-08
South Plant Main Adm	Benzoic acid	65-85-0	7.96E-10
South Plant Main Adm	Benzyl alcohol	100-51-6	2.49E-11
South Plant Main Adm	Benzyl chloride	100-44-7	7.06E-13
South Plant Main Adm	Bis(2-chlorethyl)ether	111-44-4	1.12E-11
South Plant Main Adm	bis(2-chloroethoxy)methane	111-91-1	6.75E-12
South Plant Main Adm	Bromodichloromethane	75-27-4	1.11E-12
South Plant Main Adm	Bromoform (Tribromomethane)	75-25-2	3.68E-16
South Plant Main Adm	Bromophenyl-phenylether, 4-	101-55-3	1.61E-08
South Plant Main Adm	Butylbenzylphthalate	85-68-7	5.14E-12
South Plant Main Adm	Cadmium	7440-43-9	1.00E-13
South Plant Main Adm	carbazole	86-74-8	4.01E-09
South Plant Main Adm	Carbon disulfide	75-15-0	6.23E-15
South Plant Main Adm	Carbon tetrachloride	56-23-5	4.89E-14
South Plant Main Adm	Chlorine	7782-50-5	2.00E-07
South Plant Main Adm	Chloro-3-methylphenol, 4-	59-50-7	9.61E-10
South Plant Main Adm	chloroacetonitrile	107-14-2	4.97E-13
South Plant Main Adm	Chloroaniline, p-	106-47-8	1.49E-11
South Plant Main Adm	Chlorobenzene	108-90-7	8.87E-14
South Plant Main Adm	Chloroethane	75-00-3	1.29E-16
South Plant Main Adm	Chloroform (Trichloromethane)	67-66-3	2.76E-14
South Plant Main Adm	Chloronaphthalene,2-	91-58-7	5.19E-10
South Plant Main Adm	Chlorophenol, 2-	95-57-8	2.92E-10
South Plant Main Adm	Chromium	7440-47-3	8.35E-08
South Plant Main Adm	Chromium, hexavalent	18540-29-9	6.87E-08
South Plant Main Adm	Chrysene	218-01-9	4.64E-09
South Plant Main Adm	cis-1,3-dichloropropene	10062-01-5	5.30E-14
South Plant Main Adm	cis-2-butene	590-18-1	7.99E-16
South Plant Main Adm	cobalt	7440-48-4	6.39E-12
South Plant Main Adm	copper	7440-50-8	1.33E-09
South Plant Main Adm	Cresol, m-	108-39-4	6.74E-12
South Plant Main Adm	Cresol, o-	95-48-7	7.37E-11
South Plant Main Adm	Cresol, p-	106-44-5	3.87E-13
South Plant Main Adm	crotonaldehyde	4170-30-3	2.57E-12
South Plant Main Adm	Cumene (Isopropylbenzene)	98-82-8	7.01E-14
South Plant Main Adm	cyclohexane	110-82-7	4.67E-15
South Plant Main Adm	Dibenz(a,h)anthracene	53-70-3	1.08E-09
South Plant Main Adm	dibenzofuran	132-64-9	1.49E-10
South Plant Main Adm	Dibromochloromethane	124-48-1	1.42E-11
South Plant Main Adm	Dichlorobenzene, 1,2-	95-50-1	3.51E-13
South Plant Main Adm	Dichlorobenzene, 1,3-	541-73-1	5.38E-13
South Plant Main Adm	Dichlorobenzene,1,4-	106-46-7	9.16E-14

Receptor Name	*COPC Name*	*CAS Number*	*Maximum Soil Concentration [mg COPC/kg Soil]*
South Plant Main Adm	Dichloroethane 1,1-	75-34-3	1.01E-15
South Plant Main Adm	Dichloroethane, 1,2- (Ethylene Dichloride)	107-06-2	4.04E-15
South Plant Main Adm	Dichloroethylene 1,1-	75-35-4	4.80E-16
South Plant Main Adm	Dichloroethylene, cis-1,2-	156-59-2	4.46E-14
South Plant Main Adm	Dichloroethylene-1,2 (trans)	156-60-5	2.37E-15
South Plant Main Adm	Dichlorophenol, 2,4-	120-83-2	4.17E-11
South Plant Main Adm	Dichloropropane, 1,2-	78-87-5	3.31E-15
South Plant Main Adm	Diethyl phthalate	84-66-2	1.94E-10
South Plant Main Adm	Dimethyl phthalate	131-11-3	1.12E-11
South Plant Main Adm	Dimethylphenol, 2,4-	105-67-9	2.17E-10
South Plant Main Adm	Di-n-butyl phthalate	84-74-2	1.16E-09
South Plant Main Adm	Dinitrobenzene, 1,3-	99-65-0	1.92E-10
South Plant Main Adm	Dinitrophenol, 2,4-	51-28-5	4.30E-12
South Plant Main Adm	Dinitrotoluene, 2,4-	121-14-2	5.50E-11
South Plant Main Adm	Dinitrotoluene, 2,6-	606-20-2	4.05E-11
South Plant Main Adm	Di-n-octylphthalate	117-84-0	5.78E-10
South Plant Main Adm	Dioxane, 1,4-	123-91-1	1.25E-13
South Plant Main Adm	diphenylamine	122-39-4	1.18E-09
South Plant Main Adm	Ethyl methacrylate	97-63-2	2.85E-11
South Plant Main Adm	Ethylbenzene	100-41-4	2.95E-13
South Plant Main Adm	Ethylene Dibromide	106-93-4	2.04E-12
South Plant Main Adm	ethylether	60-29-7	2.41E-14
South Plant Main Adm	Ethylhexyl phthalate, bis-2-	117-81-7	2.87E-10
South Plant Main Adm	Fluoranthene	206-44-0	5.34E-09
South Plant Main Adm	Fluorene	86-73-7	1.77E-10
South Plant Main Adm	Formaldehyde	50-00-0	2.14E-10
South Plant Main Adm	HeptaCDD, 1,2,3,4,6,7,8-	35822-46-9	1.68E-12
South Plant Main Adm	HeptaCDF, 1,2,3,4,6,7,8-	67562-39-4	4.22E-11
South Plant Main Adm	HeptaCDF, 1,2,3,4,7,8,9-	55673-89-7	1.07E-11
South Plant Main Adm	HexaCDD, 1,2,3,4,7,8-	39227-28-6	2.01E-13
South Plant Main Adm	HexaCDD, 1,2,3,6,7,8-	57653-85-7	5.06E-13
South Plant Main Adm	HexaCDD, 1,2,3,7,8,9-	19408-74-3	3.50E-13
South Plant Main Adm	HexaCDF, 1,2,3,4,7,8-	70648-26-9	1.46E-11
South Plant Main Adm	HexaCDF, 1,2,3,6,7,8-	57117-44-9	9.00E-12
South Plant Main Adm	HexaCDF, 1,2,3,7,8,9-	72918-21-9	6.58E-12
South Plant Main Adm	HexaCDF, 2,3,4,6,7,8-	60851-34-5	1.07E-11
South Plant Main Adm	Hexachloro-1,3-butadiene (Perchlorobutadiene)	87-68-3	2.04E-10
South Plant Main Adm	Hexachlorobenzene	118-74-1	1.58E-10
South Plant Main Adm	Hexachlorocyclopentadiene	77-47-4	5.94E-10
South Plant Main Adm	Hexachloroethane (Perchloroethane)	67-72-1	1.94E-11
South Plant Main Adm	hexachloropropene	1888-71-7	2.18E-12
South Plant Main Adm	hexane	110-54-3	2.99E-14
South Plant Main Adm	Hydrogen chloride	7647-01-0	3.02E-07
South Plant Main Adm	Indeno(1,2,3-cd) pyrene	193-39-5	4.07E-09

Receptor Name	*COPC Name*	*CAS Number*	*Maximum Soil Concentration [mg COPC/kg Soil]*
South Plant Main Adm	Isophorone	78-59-1	8.46E-12
South Plant Main Adm	Lead	7439-92-1	1.30E-09
South Plant Main Adm	manganese	7439-96-5	5.00E-09
South Plant Main Adm	Mercuric chloride	7487-94-7	4.60E-10
South Plant Main Adm	Methacrylonitrile	126-98-7	1.38E-11
South Plant Main Adm	Methyl bromide (Bromomethane)	74-83-9	5.18E-16
South Plant Main Adm	Methyl chloride (Chloromethane)	74-87-3	1.65E-14
South Plant Main Adm	Methyl ethyl ketone (2-Butanone)	78-93-3	5.09E-12
South Plant Main Adm	Methyl isobutyl ketone	108-10-1	3.23E-12
South Plant Main Adm	Methyl mercury	22967-92-6	9.20E-12
South Plant Main Adm	methyl tert-butyl ether	1634-04-4	3.76E-13
South Plant Main Adm	methylcyclohexane	108-87-2	7.23E-14
South Plant Main Adm	Methylene chloride	75-09-2	5.65E-13
South Plant Main Adm	methymethacrylate	80-62-6	1.83E-13
South Plant Main Adm	Naphthalene	91-20-3	1.02E-08
South Plant Main Adm	Nickel	7440-02-0	1.33E-10
South Plant Main Adm	Nitroaniline, 2-	88-74-4	5.24E-11
South Plant Main Adm	Nitroaniline, 3-	99-09-2	8.99E-11
South Plant Main Adm	Nitroaniline, 4-	100-01-6	1.02E-10
South Plant Main Adm	Nitrobenzene	98-95-3	8.06E-12
South Plant Main Adm	Nitrophenol, 2-	88-75-5	2.40E-10
South Plant Main Adm	Nitrophenol, 4-	100-02-7	1.89E-11
South Plant Main Adm	Nitroso-di-n-butylamine, n-	924-16-3	1.90E-11
South Plant Main Adm	Nitrosodiphenylamine, N-	86-30-6	1.49E-11
South Plant Main Adm	Nitrosodipropylamine, n-	621-64-7	2.29E-11
South Plant Main Adm	n-nitrosodiethylamine	55-18-5	1.18E-12
South Plant Main Adm	n-nitrosodimethylamine	62-75-9	2.03E-13
South Plant Main Adm	n-nitrosomethylethylamine	10595-95-6	1.32E-12
South Plant Main Adm	n-nitrosomorpholine	59-89-2	1.07E-11
South Plant Main Adm	OctaCDD, 1,2,3,4,6,7,8,9-	3268-87-9	2.15E-12
South Plant Main Adm	OctaCDF, 1,2,3,4,6,7,8,9-	39001-02-0	3.08E-11
South Plant Main Adm	o-tolualdehyde	529-20-4	1.10E-09
South Plant Main Adm	p-dimethylaminoazobenzene	60-11-7	3.09E-08
South Plant Main Adm	PentaCDD, 1,2,3,7,8-	40321-76-4	3.59E-13
South Plant Main Adm	PentaCDF, 1,2,3,7,8-	57117-41-6	3.88E-12
South Plant Main Adm	PentaCDF, 2,3,4,7,8-	57117-31-4	7.99E-12
South Plant Main Adm	Pentachlorobenzene	608-93-5	2.51E-10
South Plant Main Adm	pentachloroethane	76-01-7	2.13E-12
South Plant Main Adm	Pentachloronitrobenzene (PCNB)	82-68-8	1.51E-09
South Plant Main Adm	Pentachlorophenol	87-86-5	3.82E-09
South Plant Main Adm	perchlorate	14797-73-0	2.14E-11
South Plant Main Adm	Phenanthrene	85-01-8	2.88E-09
South Plant Main Adm	Phenol	108-95-2	1.23E-10
South Plant Main Adm	phosphorous	7723-14-0	5.85E-09

Receptor Name	***COPC Name***	***CAS Number***	***Maximum Soil Concentration [mg COPC/kg Soil]***
South Plant Main Adm	propanal	123-38-6	5.46E-12
South Plant Main Adm	propylbenzene	103-65-1	1.35E-12
South Plant Main Adm	propylene	115-07-1	1.27E-14
South Plant Main Adm	Pyrene	129-00-0	1.95E-08
South Plant Main Adm	Pyridine	110-86-1	8.83E-13
South Plant Main Adm	Selenium	7782-49-2	7.30E-13
South Plant Main Adm	Silver	7440-22-4	4.01E-09
South Plant Main Adm	Styrene	100-42-5	1.60E-11
South Plant Main Adm	TetraCDD, 2,3,7,8-	1746-01-6	7.49E-14
South Plant Main Adm	TetraCDF, 2,3,7,8-	51207-31-9	1.18E-12
South Plant Main Adm	Tetrachlorobenzene, 1,2,4,5-	95-94-3	4.29E-11
South Plant Main Adm	Tetrachloroethane, 1,1,2,2-	79-34-5	7.17E-14
South Plant Main Adm	Tetrachloroethylene (Perchloroethylene)	127-18-4	1.30E-14
South Plant Main Adm	Tetrachlorophenol, 2,3,4,6-	58-90-2	1.79E-10
South Plant Main Adm	Tetrahydrofuran	109-99-9	8.48E-14
South Plant Main Adm	Toluene	108-88-3	3.82E-13
South Plant Main Adm	Toluidine, o-	95-53-4	7.03E-11
South Plant Main Adm	trans-1,3-dichloropropene	10061-02-6	8.43E-14
South Plant Main Adm	trans-2-butene	624-64-6	3.00E-15
South Plant Main Adm	Trichlorobenzene, 1,2,4-	120-82-1	1.20E-12
South Plant Main Adm	Trichloroethane, 1,1,1-	71-55-6	9.76E-16
South Plant Main Adm	Trichloroethane, 1,1,2-	79-00-5	2.24E-14
South Plant Main Adm	Trichloroethylene	79-01-6	8.55E-15
South Plant Main Adm	Trichlorophenol, 2,4,5-	95-95-4	1.21E-09
South Plant Main Adm	Trichlorophenol, 2,4,6-	88-06-2	1.05E-10
South Plant Main Adm	Trimethylbenzene, 1,3,5-	108-67-8	4.80E-12
South Plant Main Adm	Trinitrobenzene, 1,3,5 (sym-)	99-35-4	1.65E-10
South Plant Main Adm	undecane	1120-21-4	9.70E-12
South Plant Main Adm	Vinyl Chloride	75-01-4	2.14E-15
South Plant Main Adm	Xylene, m-	108-38-3	3.80E-13
South Plant Main Adm	Xylene, o-	95-47-6	4.57E-13
South Plant Main Adm	Xylene, p-	106-42-3	3.16E-13
South Plant Main Adm	Zinc	7440-66-6	1.22E-10

Daycare Site-Specific User Modified Parameters

Risk Receptor	*Description*	*Symbol*	*Current*	*Original*
South Plant Main Adm	Average annual evapotranspiration	e_v	64	
South Plant Main Adm	Average annual irrigation	i	55	
South Plant Main Adm	Average annual precipitation	p	36	
South Plant Main Adm	Average annual runoff	r	0.64	
South Plant Main Adm	Wind velocity	w	4.1	3.9

IRAP-h View *by Lakes Environmental Software* Date : 2/2/2016

CAS No.	COPC Name	Symbol	Current	Original
100-01-6	Nitroaniline, 4-	rfd	4.00E-03	0
100-01-6	Nitroaniline, 4-	oral_csf	2.00E-02	0
100-01-6	Nitroaniline, 4-	rfc	6.00E-03	0
100-41-4	Ethylbenzene	oral_csf	1.10E-02	0
100-41-4	Ethylbenzene	inhalation_urf	2.50E-06	0
100-44-7	Benzyl chloride	rfd	2.00E-03	0
100-44-7	Benzyl chloride	rfc	1.00E-03	0
100-51-6	Benzyl alcohol	rfd	1.00E-01	0
10061-02-6	trans-1,3-dichloropropene	cas_number	10061-02-6	N/A
10061-02-6	trans-1,3-dichloropropene	copc_name	trans-1,3-dichloropr	N/A
10061-02-6	trans-1,3-dichloropropene	mw	111	N/A
10061-02-6	trans-1,3-dichloropropene	t_m	223	N/A
10061-02-6	trans-1,3-dichloropropene	v_p	4.47E-02	N/A
10061-02-6	trans-1,3-dichloropropene	s	2.80E+03	N/A
10061-02-6	trans-1,3-dichloropropene	h	8.68E-04	N/A
10061-02-6	trans-1,3-dichloropropene	d_a	7.63E-02	N/A
10061-02-6	trans-1,3-dichloropropene	dw	1.01E-05	N/A
10061-02-6	trans-1,3-dichloropropene	k_ow	1.10E+02	N/A
10061-02-6	trans-1,3-dichloropropene	k_oc	42.1	N/A
10061-02-6	trans-1,3-dichloropropene	kd_s	0.421	N/A
10061-02-6	trans-1,3-dichloropropene	kd_sw	3.16	N/A
10061-02-6	trans-1,3-dichloropropene	kd_bs	1.68	N/A
10061-02-6	trans-1,3-dichloropropene	k_sg	0	N/A
10061-02-6	trans-1,3-dichloropropene	f_v	1	N/A
10061-02-6	trans-1,3-dichloropropene	rcf	1.1	N/A
10061-02-6	trans-1,3-dichloropropene	br_root_veg	2.7	N/A
10061-02-6	trans-1,3-dichloropropene	br_leafy_veg	2.6	N/A
10061-02-6	trans-1,3-dichloropropene	br_forage	2.6	N/A
10061-02-6	trans-1,3-dichloropropene	bv_leafy_veg	9.62E-03	N/A
10061-02-6	trans-1,3-dichloropropene	bv_forage	9.62E-03	N/A
10061-02-6	trans-1,3-dichloropropene	ba_milk	6.51E-04	N/A
10061-02-6	trans-1,3-dichloropropene	ba_beef	3.09E-03	N/A
10061-02-6	trans-1,3-dichloropropene	ba_pork	3.75E-03	N/A
10061-02-6	trans-1,3-dichloropropene	bcf_fish	2.30E-03	N/A
10061-02-6	trans-1,3-dichloropropene	baf_fish	0	N/A
10061-02-6	trans-1,3-dichloropropene	bsaf_fish	0	N/A
10061-02-6	trans-1,3-dichloropropene	rfd	3.00E-02	N/A
10061-02-6	trans-1,3-dichloropropene	oral_csf	0.1	N/A
10061-02-6	trans-1,3-dichloropropene	rfc	2.00E-02	N/A
10061-02-6	trans-1,3-dichloropropene	inhalation_urf	4.00E-06	N/A
10061-02-6	trans-1,3-dichloropropene	inhalation_csf	ND	N/A
10061-02-6	trans-1,3-dichloropropene	chemical_type	O	N/A
10061-02-6	trans-1,3-dichloropropene	chemical_subtype		N/A
10061-02-6	trans-1,3-dichloropropene	br_grain	2.6	N/A
10061-02-6	trans-1,3-dichloropropene	ba_egg	1.30E-03	N/A
10061-02-6	trans-1,3-dichloropropene	ba_chicken	2.28E-03	N/A

CAS No.	COPC Name	Symbol	Current	Original
10061-02-6	trans-1,3-dichloropropene	inhalation_rfd	ND	N/A
10061-02-6	trans-1,3-dichloropropene	tef	ND	N/A
10062-01-5	cis-1,3-dichloropropene	cas_number	10062-01-5	N/A
10062-01-5	cis-1,3-dichloropropene	copc_name	cis-1,3-dichloroprop	N/A
10062-01-5	cis-1,3-dichloropropene	mw	111	N/A
10062-01-5	cis-1,3-dichloropropene	t_m	223	N/A
10062-01-5	cis-1,3-dichloropropene	v_p	4.47E-02	N/A
10062-01-5	cis-1,3-dichloropropene	s	2.80E+03	N/A
10062-01-5	cis-1,3-dichloropropene	h	2.94E-03	N/A
10062-01-5	cis-1,3-dichloropropene	d_a	7.65E-02	N/A
10062-01-5	cis-1,3-dichloropropene	dw	1.02E-05	N/A
10062-01-5	cis-1,3-dichloropropene	k_ow	1.10E+02	N/A
10062-01-5	cis-1,3-dichloropropene	k_oc	4.21E+01	N/A
10062-01-5	cis-1,3-dichloropropene	kd_s	0.421	N/A
10062-01-5	cis-1,3-dichloropropene	kd_sw	3.16	N/A
10062-01-5	cis-1,3-dichloropropene	kd_bs	1.68	N/A
10062-01-5	cis-1,3-dichloropropene	k_sg	0	N/A
10062-01-5	cis-1,3-dichloropropene	f_v	1	N/A
10062-01-5	cis-1,3-dichloropropene	rcf	1.1	N/A
10062-01-5	cis-1,3-dichloropropene	br_root_veg	2.7	N/A
10062-01-5	cis-1,3-dichloropropene	br_leafy_veg	2.6	N/A
10062-01-5	cis-1,3-dichloropropene	br_forage	2.6	N/A
10062-01-5	cis-1,3-dichloropropene	bv_leafy_veg	2.84E-03	N/A
10062-01-5	cis-1,3-dichloropropene	bv_forage	2.84E-03	N/A
10062-01-5	cis-1,3-dichloropropene	ba_milk	6.51E-04	N/A
10062-01-5	cis-1,3-dichloropropene	ba_beef	3.09E-03	N/A
10062-01-5	cis-1,3-dichloropropene	ba_pork	3.75E-03	N/A
10062-01-5	cis-1,3-dichloropropene	bcf_fish	2.30E-03	N/A
10062-01-5	cis-1,3-dichloropropene	baf_fish	0	N/A
10062-01-5	cis-1,3-dichloropropene	bsaf_fish	0	N/A
10062-01-5	cis-1,3-dichloropropene	rfd	3.00E-02	N/A
10062-01-5	cis-1,3-dichloropropene	oral_csf	0.1	N/A
10062-01-5	cis-1,3-dichloropropene	rfc	2.00E-02	N/A
10062-01-5	cis-1,3-dichloropropene	inhalation_urf	4.00E-06	N/A
10062-01-5	cis-1,3-dichloropropene	inhalation_csf	ND	N/A
10062-01-5	cis-1,3-dichloropropene	chemical_type	O	N/A
10062-01-5	cis-1,3-dichloropropene	chemical_subtype		N/A
10062-01-5	cis-1,3-dichloropropene	br_grain	2.6	N/A
10062-01-5	cis-1,3-dichloropropene	ba_egg	1.30E-03	N/A
10062-01-5	cis-1,3-dichloropropene	ba_chicken	2.28E-03	N/A
10062-01-5	cis-1,3-dichloropropene	inhalation_rfd	ND	N/A
10062-01-5	cis-1,3-dichloropropene	tef	ND	N/A
103-65-1	propylbenzene	cas_number	103-65-1	N/A
103-65-1	propylbenzene	copc_name	propylbenzene	N/A
103-65-1	propylbenzene	mw	120	N/A
103-65-1	propylbenzene	t_m	174	N/A

CAS No.	COPC Name	Symbol	Current	Original
103-65-1	propylbenzene	v_p	4.51E-03	N/A
103-65-1	propylbenzene	s	52.2	N/A
103-65-1	propylbenzene	h	1.05E-02	N/A
103-65-1	propylbenzene	d_a	6.02E-02	N/A
103-65-1	propylbenzene	dw	7.83E-06	N/A
103-65-1	propylbenzene	k_ow	4.90E+03	N/A
103-65-1	propylbenzene	k_oc	851	N/A
103-65-1	propylbenzene	kd_s	8.51	N/A
103-65-1	propylbenzene	kd_sw	63.9	N/A
103-65-1	propylbenzene	kd_bs	34.1	N/A
103-65-1	propylbenzene	k_sg	0	N/A
103-65-1	propylbenzene	f_v	1	N/A
103-65-1	propylbenzene	rcf	21	N/A
103-65-1	propylbenzene	br_root_veg	2.5	N/A
103-65-1	propylbenzene	br_leafy_veg	0.29	N/A
103-65-1	propylbenzene	br_forage	0.29	N/A
103-65-1	propylbenzene	bv_leafy_veg	4.53E-02	N/A
103-65-1	propylbenzene	bv_forage	4.53E-02	N/A
103-65-1	propylbenzene	ba_milk	4.39E-03	N/A
103-65-1	propylbenzene	ba_beef	2.09E-02	N/A
103-65-1	propylbenzene	ba_pork	2.52E-02	N/A
103-65-1	propylbenzene	bcf_fish	1.50E-02	N/A
103-65-1	propylbenzene	baf_fish	0	N/A
103-65-1	propylbenzene	bsaf_fish	0	N/A
103-65-1	propylbenzene	rfd	0.11	N/A
103-65-1	propylbenzene	oral_csf	ND	N/A
103-65-1	propylbenzene	rfc	0.4	N/A
103-65-1	propylbenzene	inhalation_urf	ND	N/A
103-65-1	propylbenzene	inhalation_csf	ND	N/A
103-65-1	propylbenzene	chemical_type	O	N/A
103-65-1	propylbenzene	chemical_subtype		N/A
103-65-1	propylbenzene	br_grain	0.29	N/A
103-65-1	propylbenzene	ba_egg	8.78E-03	N/A
103-65-1	propylbenzene	ba_chicken	1.54E-02	N/A
103-65-1	propylbenzene	inhalation_rfd	ND	N/A
103-65-1	propylbenzene	tef	ND	N/A
105-05-5	1,4-Diethylbenzene	cas_number	105-05-5	N/A
105-05-5	1,4-Diethylbenzene	copc_name	1,4-Diethylbenzene	N/A
105-05-5	1,4-Diethylbenzene	mw	134	N/A
105-05-5	1,4-Diethylbenzene	t_m	194	N/A
105-05-5	1,4-Diethylbenzene	v_p	1.06	N/A
105-05-5	1,4-Diethylbenzene	s	25	N/A
105-05-5	1,4-Diethylbenzene	h	7.55E-03	N/A
105-05-5	1,4-Diethylbenzene	d_a	0.0725	N/A
105-05-5	1,4-Diethylbenzene	dw	8.39E-06	N/A
105-05-5	1,4-Diethylbenzene	k_ow	3.80E+04	N/A

CAS No.	COPC Name	Symbol	Current	Original
105-05-5	1,4-Diethylbenzene	k_oc	4310	N/A
105-05-5	1,4-Diethylbenzene	kd_s	43.1	N/A
105-05-5	1,4-Diethylbenzene	kd_sw	323	N/A
105-05-5	1,4-Diethylbenzene	kd_bs	172	N/A
105-05-5	1,4-Diethylbenzene	k_sg	0	N/A
105-05-5	1,4-Diethylbenzene	f_v	1	N/A
105-05-5	1,4-Diethylbenzene	rcf	100	N/A
105-05-5	1,4-Diethylbenzene	br_root_veg	2.4	N/A
105-05-5	1,4-Diethylbenzene	br_leafy_veg	0.087	N/A
105-05-5	1,4-Diethylbenzene	br_forage	0.087	N/A
105-05-5	1,4-Diethylbenzene	bv_leafy_veg	5.59E-01	N/A
105-05-5	1,4-Diethylbenzene	bv_forage	5.59E-01	N/A
105-05-5	1,4-Diethylbenzene	ba_milk	7.34E-03	N/A
105-05-5	1,4-Diethylbenzene	ba_beef	3.49E-02	N/A
105-05-5	1,4-Diethylbenzene	ba_pork	4.22E-02	N/A
105-05-5	1,4-Diethylbenzene	bcf_fish	2.60E-02	N/A
105-05-5	1,4-Diethylbenzene	baf_fish	0	N/A
105-05-5	1,4-Diethylbenzene	bsaf_fish	0	N/A
105-05-5	1,4-Diethylbenzene	rfd	0.1	N/A
105-05-5	1,4-Diethylbenzene	oral_csf	1.10E-02	N/A
105-05-5	1,4-Diethylbenzene	rfc	1	N/A
105-05-5	1,4-Diethylbenzene	inhalation_urf	2.50E-06	N/A
105-05-5	1,4-Diethylbenzene	inhalation_csf	ND	N/A
105-05-5	1,4-Diethylbenzene	chemical_type	O	N/A
105-05-5	1,4-Diethylbenzene	chemical_subtype		N/A
105-05-5	1,4-Diethylbenzene	br_grain	0.087	N/A
105-05-5	1,4-Diethylbenzene	ba_egg	1.47E-02	N/A
105-05-5	1,4-Diethylbenzene	ba_chicken	2.57E-02	N/A
105-05-5	1,4-Diethylbenzene	inhalation_rfd	ND	N/A
105-05-5	1,4-Diethylbenzene	tef	ND	N/A
10595-95-6	n-nitrosomethylethylamine	cas_number	10595-95-6	N/A
10595-95-6	n-nitrosomethylethylamine	copc_name	n-nitrosomethylethy	N/A
10595-95-6	n-nitrosomethylethylamine	mw	88.1	N/A
10595-95-6	n-nitrosomethylethylamine	t_m	246	N/A
10595-95-6	n-nitrosomethylethylamine	v_p	2.75E-03	N/A
10595-95-6	n-nitrosomethylethylamine	s	3.00E+05	N/A
10595-95-6	n-nitrosomethylethylamine	h	1.44E-06	N/A
10595-95-6	n-nitrosomethylethylamine	d_a	9.60E-02	N/A
10595-95-6	n-nitrosomethylethylamine	dw	1.12E-05	N/A
10595-95-6	n-nitrosomethylethylamine	k_ow	1	N/A
10595-95-6	n-nitrosomethylethylamine	k_oc	1	N/A
10595-95-6	n-nitrosomethylethylamine	kd_s	0.01	N/A
10595-95-6	n-nitrosomethylethylamine	kd_sw	7.50E-02	N/A
10595-95-6	n-nitrosomethylethylamine	kd_bs	4.00E-02	N/A
10595-95-6	n-nitrosomethylethylamine	k_sg	0	N/A
10595-95-6	n-nitrosomethylethylamine	f_v	1	N/A

CAS No.	COPC Name	Symbol	Current	Original
10595-95-6	n-nitrosomethylethylamine	rcf	0.85	N/A
10595-95-6	n-nitrosomethylethylamine	br_root_veg	85	N/A
10595-95-6	n-nitrosomethylethylamine	br_leafy_veg	3.90E+01	N/A
10595-95-6	n-nitrosomethylethylamine	br_forage	3.90E+01	N/A
10595-95-6	n-nitrosomethylethylamine	bv_leafy_veg	3.88E-02	N/A
10595-95-6	n-nitrosomethylethylamine	bv_forage	3.88E-02	N/A
10595-95-6	n-nitrosomethylethylamine	ba_milk	1.10E-05	N/A
10595-95-6	n-nitrosomethylethylamine	ba_beef	5.23E-05	N/A
10595-95-6	n-nitrosomethylethylamine	ba_pork	6.33E-05	N/A
10595-95-6	n-nitrosomethylethylamine	bcf_fish	3.90E-05	N/A
10595-95-6	n-nitrosomethylethylamine	baf_fish	0	N/A
10595-95-6	n-nitrosomethylethylamine	bsaf_fish	0	N/A
10595-95-6	n-nitrosomethylethylamine	rfd	ND	N/A
10595-95-6	n-nitrosomethylethylamine	oral_csf	22	N/A
10595-95-6	n-nitrosomethylethylamine	rfc	ND	N/A
10595-95-6	n-nitrosomethylethylamine	inhalation_urf	6.30E-03	N/A
10595-95-6	n-nitrosomethylethylamine	inhalation_csf	ND	N/A
10595-95-6	n-nitrosomethylethylamine	chemical_type	O	N/A
10595-95-6	n-nitrosomethylethylamine	chemical_subty	Ionizing	N/A
10595-95-6	n-nitrosomethylethylamine	br_grain	39	N/A
10595-95-6	n-nitrosomethylethylamine	ba_egg	2.20E-05	N/A
10595-95-6	n-nitrosomethylethylamine	ba_chicken	3.86E-05	N/A
10595-95-6	n-nitrosomethylethylamine	inhalation_rfd	ND	N/A
10595-95-6	n-nitrosomethylethylamine	tef	ND	N/A
106-44-5	Cresol, p-	rfd	0.1	0.005
106-44-5	Cresol, p-	rfc	6.00E-01	0.0175
106-46-7	Dichlorobenzene,1,4-	rfd	7.00E-02	0.03
106-47-8	Chloroaniline, p-	oral_csf	2.00E-01	0
106-98-9	1-butene	cas_number	106-98-9	N/A
106-98-9	1-butene	copc_name	1-butene	N/A
106-98-9	1-butene	mw	56.1	N/A
106-98-9	1-butene	t_m	88	N/A
106-98-9	1-butene	v_p	11.4	N/A
106-98-9	1-butene	s	200	N/A
106-98-9	1-butene	h	0.196	N/A
106-98-9	1-butene	d_a	0.13	N/A
106-98-9	1-butene	dw	1.50E-05	N/A
106-98-9	1-butene	k_ow	5.89E+01	N/A
106-98-9	1-butene	k_oc	5.50E+01	N/A
106-98-9	1-butene	kd_s	5.50E-01	N/A
106-98-9	1-butene	kd_sw	4.123	N/A
106-98-9	1-butene	kd_bs	2.20E+00	N/A
106-98-9	1-butene	k_sg	0	N/A
106-98-9	1-butene	f_v	1	N/A
106-98-9	1-butene	rcf	0.7	N/A
106-98-9	1-butene	br_root_veg	1.3	N/A

CAS No.	COPC Name	Symbol	Current	Original
106-98-9	1-butene	br_leafy_veg	3.7	N/A
106-98-9	1-butene	br_forage	3.7	N/A
106-98-9	1-butene	bv_leafy_veg	2.19E-05	N/A
106-98-9	1-butene	bv_forage	2.19E-05	N/A
106-98-9	1-butene	ba_milk	4.22E-04	N/A
106-98-9	1-butene	ba_beef	2.01E-03	N/A
106-98-9	1-butene	ba_pork	2.43E-03	N/A
106-98-9	1-butene	bcf_fish	1.50E-03	N/A
106-98-9	1-butene	baf_fish	0	N/A
106-98-9	1-butene	bsaf_fish	0	N/A
106-98-9	1-butene	rfd	ND	N/A
106-98-9	1-butene	oral_csf	ND	N/A
106-98-9	1-butene	rfc	3	N/A
106-98-9	1-butene	inhalation_urf	ND	N/A
106-98-9	1-butene	inhalation_csf	ND	N/A
106-98-9	1-butene	chemical_type	O	N/A
106-98-9	1-butene	chemical_subtype		N/A
106-98-9	1-butene	br_grain	3.7	N/A
106-98-9	1-butene	ba_egg	8.45E-04	N/A
106-98-9	1-butene	ba_chicken	1.48E-03	N/A
106-98-9	1-butene	inhalation_rfd	ND	N/A
106-98-9	1-butene	tef	ND	N/A
107-06-2	Dichloroethane, 1,2- (Ethylene Di	rfd	6.00E-03	0.03
107-06-2	Dichloroethane, 1,2- (Ethylene Di	rfc	7.00E-03	2.4
107-13-1	Acrylonitrile	rfd	4.00E-02	0.001
107-14-2	chloroacetonitrile	cas_number	107-14-2	N/A
107-14-2	chloroacetonitrile	copc_name	chloroacetonitrile	N/A
107-14-2	chloroacetonitrile	mw	75.5	N/A
107-14-2	chloroacetonitrile	t_m	248	N/A
107-14-2	chloroacetonitrile	v_p	15	N/A
107-14-2	chloroacetonitrile	s	100000	N/A
107-14-2	chloroacetonitrile	h	1.08E-05	N/A
107-14-2	chloroacetonitrile	d_a	1.06E-01	N/A
107-14-2	chloroacetonitrile	dw	1.23E-05	N/A
107-14-2	chloroacetonitrile	k_ow	3	N/A
107-14-2	chloroacetonitrile	k_oc	2.43	N/A
107-14-2	chloroacetonitrile	kd_s	2.43E-02	N/A
107-14-2	chloroacetonitrile	kd_sw	0.182	N/A
107-14-2	chloroacetonitrile	kd_bs	9.72E-02	N/A
107-14-2	chloroacetonitrile	k_sg	0	N/A
107-14-2	chloroacetonitrile	f_v	1	N/A
107-14-2	chloroacetonitrile	rcf	7.00E-02	N/A
107-14-2	chloroacetonitrile	br_root_veg	2.9	N/A
107-14-2	chloroacetonitrile	br_leafy_veg	21	N/A
107-14-2	chloroacetonitrile	br_forage	21	N/A
107-14-2	chloroacetonitrile	bv_leafy_veg	1.67E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
107-14-2	chloroacetonitrile	bv_forage	1.67E-02	N/A
107-14-2	chloroacetonitrile	ba_milk	3.39E-05	N/A
107-14-2	chloroacetonitrile	ba_beef	1.61E-04	N/A
107-14-2	chloroacetonitrile	ba_pork	1.95E-04	N/A
107-14-2	chloroacetonitrile	bcf_fish	1.20E-04	N/A
107-14-2	chloroacetonitrile	baf_fish	0	N/A
107-14-2	chloroacetonitrile	bsaf_fish	0	N/A
107-14-2	chloroacetonitrile	rfd	ND	N/A
107-14-2	chloroacetonitrile	oral_csf	ND	N/A
107-14-2	chloroacetonitrile	rfc	6.00E-02	N/A
107-14-2	chloroacetonitrile	inhalation_urf	ND	N/A
107-14-2	chloroacetonitrile	inhalation_csf	ND	N/A
107-14-2	chloroacetonitrile	chemical_type	O	N/A
107-14-2	chloroacetonitrile	chemical_subtype		N/A
107-14-2	chloroacetonitrile	br_grain	21	N/A
107-14-2	chloroacetonitrile	ba_egg	6.78E-05	N/A
107-14-2	chloroacetonitrile	ba_chicken	1.19E-04	N/A
107-14-2	chloroacetonitrile	inhalation_rfd	ND	N/A
107-14-2	chloroacetonitrile	tef	ND	N/A
107-83-5	2-methylpentane	cas_number	107-83-5	N/A
107-83-5	2-methylpentane	copc_name	2-methylpentane	N/A
107-83-5	2-methylpentane	mw	86.2	N/A
107-83-5	2-methylpentane	t_m	119	N/A
107-83-5	2-methylpentane	v_p	211	N/A
107-83-5	2-methylpentane	s	14	N/A
107-83-5	2-methylpentane	h	1.71	N/A
107-83-5	2-methylpentane	d_a	9.74E-02	N/A
107-83-5	2-methylpentane	dw	1.13E-05	N/A
107-83-5	2-methylpentane	k_ow	1.60E+03	N/A
107-83-5	2-methylpentane	k_oc	3.51E+02	N/A
107-83-5	2-methylpentane	kd_s	3.51	N/A
107-83-5	2-methylpentane	kd_sw	26.3	N/A
107-83-5	2-methylpentane	kd_bs	14	N/A
107-83-5	2-methylpentane	k_sg	0	N/A
107-83-5	2-methylpentane	f_v	1	N/A
107-83-5	2-methylpentane	rcf	8.9	N/A
107-83-5	2-methylpentane	br_root_veg	2.5	N/A
107-83-5	2-methylpentane	br_leafy_veg	0.54	N/A
107-83-5	2-methylpentane	br_forage	0.54	N/A
107-83-5	2-methylpentane	bv_leafy_veg	8.45E-05	N/A
107-83-5	2-methylpentane	bv_forage	8.45E-05	N/A
107-83-5	2-methylpentane	ba_milk	2.85E-03	N/A
107-83-5	2-methylpentane	ba_beef	1.35E-02	N/A
107-83-5	2-methylpentane	ba_pork	1.64E-02	N/A
107-83-5	2-methylpentane	bcf_fish	1.00E-02	N/A
107-83-5	2-methylpentane	baf_fish	0	N/A

CAS No.	COPC Name	Symbol	Current	Original
107-83-5	2-methylpentane	bsaf_fish	0	N/A
107-83-5	2-methylpentane	rfd	4.00E-02	N/A
107-83-5	2-methylpentane	oral_csf	ND	N/A
107-83-5	2-methylpentane	rfc	0.2	N/A
107-83-5	2-methylpentane	inhalation_urf	ND	N/A
107-83-5	2-methylpentane	inhalation_csf	ND	N/A
107-83-5	2-methylpentane	chemical_type	O	N/A
107-83-5	2-methylpentane	chemical_subtype		N/A
107-83-5	2-methylpentane	br_grain	0.54	N/A
107-83-5	2-methylpentane	ba_egg	5.69E-03	N/A
107-83-5	2-methylpentane	ba_chicken	9.96E-03	N/A
107-83-5	2-methylpentane	inhalation_rfd	ND	N/A
107-83-5	2-methylpentane	tef	ND	N/A
108-08-7	2,4-dimethylpentane	cas_number	108-08-7	N/A
108-08-7	2,4-dimethylpentane	copc_name	2,4-dimethylpentane	N/A
108-08-7	2,4-dimethylpentane	mw	100	N/A
108-08-7	2,4-dimethylpentane	t_m	153	N/A
108-08-7	2,4-dimethylpentane	v_p	79.4	N/A
108-08-7	2,4-dimethylpentane	s	5.5	N/A
108-08-7	2,4-dimethylpentane	h	1.9	N/A
108-08-7	2,4-dimethylpentane	d_a	8.80E-02	N/A
108-08-7	2,4-dimethylpentane	dw	1.20E-05	N/A
108-08-7	2,4-dimethylpentane	k_ow	4.30E+03	N/A
108-08-7	2,4-dimethylpentane	k_oc	7.68E+02	N/A
108-08-7	2,4-dimethylpentane	kd_s	7.68	N/A
108-08-7	2,4-dimethylpentane	kd_sw	57.6	N/A
108-08-7	2,4-dimethylpentane	kd_bs	30.7	N/A
108-08-7	2,4-dimethylpentane	k_sg	0	N/A
108-08-7	2,4-dimethylpentane	f_v	1	N/A
108-08-7	2,4-dimethylpentane	rcf	19	N/A
108-08-7	2,4-dimethylpentane	br_root_veg	2.5	N/A
108-08-7	2,4-dimethylpentane	br_leafy_veg	0.31	N/A
108-08-7	2,4-dimethylpentane	br_forage	0.31	N/A
108-08-7	2,4-dimethylpentane	bv_leafy_veg	2.18E-04	N/A
108-08-7	2,4-dimethylpentane	bv_forage	2.18E-04	N/A
108-08-7	2,4-dimethylpentane	ba_milk	4.20E-03	N/A
108-08-7	2,4-dimethylpentane	ba_beef	1.99E-02	N/A
108-08-7	2,4-dimethylpentane	ba_pork	2.41E-02	N/A
108-08-7	2,4-dimethylpentane	bcf_fish	1.50E-02	N/A
108-08-7	2,4-dimethylpentane	baf_fish	0	N/A
108-08-7	2,4-dimethylpentane	bsaf_fish	0	N/A
108-08-7	2,4-dimethylpentane	rfd	4.00E-02	N/A
108-08-7	2,4-dimethylpentane	oral_csf	ND	N/A
108-08-7	2,4-dimethylpentane	rfc	0.2	N/A
108-08-7	2,4-dimethylpentane	inhalation_urf	ND	N/A
108-08-7	2,4-dimethylpentane	inhalation_csf	ND	N/A

CAS No.	COPC Name	Symbol	Current	Original
108-08-7	2,4-dimethylpentane	chemical_type	O	N/A
108-08-7	2,4-dimethylpentane	chemical_subtype		N/A
108-08-7	2,4-dimethylpentane	br_grain	0.31	N/A
108-08-7	2,4-dimethylpentane	ba_egg	8.39E-03	N/A
108-08-7	2,4-dimethylpentane	ba_chicken	1.47E-02	N/A
108-08-7	2,4-dimethylpentane	inhalation_rfd	ND	N/A
108-08-7	2,4-dimethylpentane	tef	ND	N/A
108-39-4	Cresol, m-	rfc	6.00E-01	0.175
108-67-8	Trimethylbenzene, 1,3,5-	rfd	1.00E-02	0
108-87-2	methylcyclohexane	cas_number	108-87-2	N/A
108-87-2	methylcyclohexane	copc_name	methylcyclohexane	N/A
108-87-2	methylcyclohexane	mw	98.2	N/A
108-87-2	methylcyclohexane	t_m	146	N/A
108-87-2	methylcyclohexane	v_p	6.05E-02	N/A
108-87-2	methylcyclohexane	s	14	N/A
108-87-2	methylcyclohexane	h	0.44	N/A
108-87-2	methylcyclohexane	d_a	9.86E-02	N/A
108-87-2	methylcyclohexane	dw	8.50E-06	N/A
108-87-2	methylcyclohexane	k_ow	7.59E+03	N/A
108-87-2	methylcyclohexane	k_oc	1.20E+03	N/A
108-87-2	methylcyclohexane	kd_s	12	N/A
108-87-2	methylcyclohexane	kd_sw	90.3	N/A
108-87-2	methylcyclohexane	kd_bs	48.1	N/A
108-87-2	methylcyclohexane	k_sg	0	N/A
108-87-2	methylcyclohexane	f_v	1	N/A
108-87-2	methylcyclohexane	rcf	29	N/A
108-87-2	methylcyclohexane	br_root_veg	2.4	N/A
108-87-2	methylcyclohexane	br_leafy_veg	0.22	N/A
108-87-2	methylcyclohexane	br_forage	0.22	N/A
108-87-2	methylcyclohexane	bv_leafy_veg	1.72E-03	N/A
108-87-2	methylcyclohexane	bv_forage	1.72E-03	N/A
108-87-2	methylcyclohexane	ba_milk	5.05E-03	N/A
108-87-2	methylcyclohexane	ba_beef	2.40E-02	N/A
108-87-2	methylcyclohexane	ba_pork	2.90E-02	N/A
108-87-2	methylcyclohexane	bcf_fish	1.80E-02	N/A
108-87-2	methylcyclohexane	baf_fish	0	N/A
108-87-2	methylcyclohexane	bsaf_fish	0	N/A
108-87-2	methylcyclohexane	rfd	ND	N/A
108-87-2	methylcyclohexane	oral_csf	ND	N/A
108-87-2	methylcyclohexane	rfc	6	N/A
108-87-2	methylcyclohexane	inhalation_urf	ND	N/A
108-87-2	methylcyclohexane	inhalation_csf	ND	N/A
108-87-2	methylcyclohexane	chemical_type	O	N/A
108-87-2	methylcyclohexane	chemical_subtype		N/A
108-87-2	methylcyclohexane	br_grain	0.22	N/A
108-87-2	methylcyclohexane	ba_egg	1.01E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
108-87-2	methylcyclohexane	ba_chicken	1.77E-02	N/A
108-87-2	methylcyclohexane	inhalation_rfd	ND	N/A
108-87-2	methylcyclohexane	tef	ND	N/A
108-88-3	Toluene	rfd	8.00E-02	0.2
108-88-3	Toluene	rfc	5	0.4
108-90-7	Chlorobenzene	rfc	5.00E-02	0.06
109-99-9	Tetrahydrofuran	rfd	9.00E-01	0.2
109-99-9	Tetrahydrofuran	rfc	2	0.3
110-54-3	hexane	cas_number	110-54-3	N/A
110-54-3	hexane	copc_name	hexane	N/A
110-54-3	hexane	mw	86.2	N/A
110-54-3	hexane	t_m	178	N/A
110-54-3	hexane	v_p	0.197	N/A
110-54-3	hexane	s	9.5	N/A
110-54-3	hexane	h	1.8	N/A
110-54-3	hexane	d_a	7.31E-02	N/A
110-54-3	hexane	dw	8.17E-06	N/A
110-54-3	hexane	k_ow	1.30E+04	N/A
110-54-3	hexane	k_oc	1.84E+03	N/A
110-54-3	hexane	kd_s	1.84E+01	N/A
110-54-3	hexane	kd_sw	138	N/A
110-54-3	hexane	kd_bs	73.7	N/A
110-54-3	hexane	k_sg	0	N/A
110-54-3	hexane	f_v	1	N/A
110-54-3	hexane	rcf	4.40E+01	N/A
110-54-3	hexane	br_root_veg	2.4	N/A
110-54-3	hexane	br_leafy_veg	1.60E-01	N/A
110-54-3	hexane	br_forage	1.60E-01	N/A
110-54-3	hexane	bv_leafy_veg	7.47E-04	N/A
110-54-3	hexane	bv_forage	7.47E-04	N/A
110-54-3	hexane	ba_milk	5.87E-03	N/A
110-54-3	hexane	ba_beef	2.79E-02	N/A
110-54-3	hexane	ba_pork	3.37E-02	N/A
110-54-3	hexane	bcf_fish	2.10E-02	N/A
110-54-3	hexane	baf_fish	0	N/A
110-54-3	hexane	bsaf_fish	0	N/A
110-54-3	hexane	rfd	6.00E-02	N/A
110-54-3	hexane	oral_csf	ND	N/A
110-54-3	hexane	rfc	0.7	N/A
110-54-3	hexane	inhalation_urf	ND	N/A
110-54-3	hexane	inhalation_csf	ND	N/A
110-54-3	hexane	chemical_type	O	N/A
110-54-3	hexane	chemical_subtype		N/A
110-54-3	hexane	br_grain	0.16	N/A
110-54-3	hexane	ba_egg	1.17E-02	N/A
110-54-3	hexane	ba_chicken	2.05E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
110-54-3	hexane	inhalation_rfd	ND	N/A
110-54-3	hexane	tef	ND	N/A
110-82-7	cyclohexane	cas_number	110-82-7	N/A
110-82-7	cyclohexane	copc_name	cyclohexane	N/A
110-82-7	cyclohexane	mw	84.2	N/A
110-82-7	cyclohexane	t_m	280	N/A
110-82-7	cyclohexane	v_p	0.13	N/A
110-82-7	cyclohexane	s	55	N/A
110-82-7	cyclohexane	h	0.15	N/A
110-82-7	cyclohexane	d_a	0.08	N/A
110-82-7	cyclohexane	dw	9.11E-06	N/A
110-82-7	cyclohexane	k_ow	340	N/A
110-82-7	cyclohexane	k_oc	103	N/A
110-82-7	cyclohexane	kd_s	1.03	N/A
110-82-7	cyclohexane	kd_sw	7.72	N/A
110-82-7	cyclohexane	kd_bs	4.12	N/A
110-82-7	cyclohexane	k_sg	0	N/A
110-82-7	cyclohexane	f_v	1	N/A
110-82-7	cyclohexane	rcf	2.7	N/A
110-82-7	cyclohexane	br_root_veg	2.6	N/A
110-82-7	cyclohexane	br_leafy_veg	1.3	N/A
110-82-7	cyclohexane	br_forage	1.3	N/A
110-82-7	cyclohexane	bv_leafy_veg	1.85E-04	N/A
110-82-7	cyclohexane	bv_forage	1.85E-04	N/A
110-82-7	cyclohexane	ba_milk	1.31E-03	N/A
110-82-7	cyclohexane	ba_beef	6.21E-03	N/A
110-82-7	cyclohexane	ba_pork	7.52E-03	N/A
110-82-7	cyclohexane	bcf_fish	4.60E-03	N/A
110-82-7	cyclohexane	baf_fish	0	N/A
110-82-7	cyclohexane	bsaf_fish	0	N/A
110-82-7	cyclohexane	rfd	ND	N/A
110-82-7	cyclohexane	oral_csf	ND	N/A
110-82-7	cyclohexane	rfc	6	N/A
110-82-7	cyclohexane	inhalation_urf	ND	N/A
110-82-7	cyclohexane	inhalation_csf	ND	N/A
110-82-7	cyclohexane	chemical_type	O	N/A
110-82-7	cyclohexane	chemical_subtype		N/A
110-82-7	cyclohexane	br_grain	1.3	N/A
110-82-7	cyclohexane	ba_egg	2.61E-03	N/A
110-82-7	cyclohexane	ba_chicken	4.57E-03	N/A
110-82-7	cyclohexane	inhalation_rfd	ND	N/A
110-82-7	cyclohexane	tef	ND	N/A
111-91-1	bis(2-chloroethoxy)methane	cas_number	111-91-1	N/A
111-91-1	bis(2-chloroethoxy)methane	copc_name	bis(2-chloroethoxy)m	N/A
111-91-1	bis(2-chloroethoxy)methane	mw	173	N/A
111-91-1	bis(2-chloroethoxy)methane	t_m	241	N/A

CAS No.	COPC Name	Symbol	Current	Original
111-91-1	bis(2-chloroethoxy)methane	v_p	1.74E-04	N/A
111-91-1	bis(2-chloroethoxy)methane	s	7800	N/A
111-91-1	bis(2-chloroethoxy)methane	h	3.85E-06	N/A
111-91-1	bis(2-chloroethoxy)methane	d_a	6.12E-02	N/A
111-91-1	bis(2-chloroethoxy)methane	dw	7.08E-06	N/A
111-91-1	bis(2-chloroethoxy)methane	k_ow	20	N/A
111-91-1	bis(2-chloroethoxy)methane	k_oc	19	N/A
111-91-1	bis(2-chloroethoxy)methane	kd_s	0.19	N/A
111-91-1	bis(2-chloroethoxy)methane	kd_sw	1.43	N/A
111-91-1	bis(2-chloroethoxy)methane	kd_bs	0.761	N/A
111-91-1	bis(2-chloroethoxy)methane	k_sg	0	N/A
111-91-1	bis(2-chloroethoxy)methane	f_v	1	N/A
111-91-1	bis(2-chloroethoxy)methane	rcf	0.3	N/A
111-91-1	bis(2-chloroethoxy)methane	br_root_veg	1.6	N/A
111-91-1	bis(2-chloroethoxy)methane	br_leafy_veg	6.9	N/A
111-91-1	bis(2-chloroethoxy)methane	br_forage	6.9	N/A
111-91-1	bis(2-chloroethoxy)methane	bv_leafy_veg	3.53E-01	N/A
111-91-1	bis(2-chloroethoxy)methane	bv_forage	3.53E-01	N/A
111-91-1	bis(2-chloroethoxy)methane	ba_milk	1.85E-04	N/A
111-91-1	bis(2-chloroethoxy)methane	ba_beef	8.78E-04	N/A
111-91-1	bis(2-chloroethoxy)methane	ba_pork	1.06E-03	N/A
111-91-1	bis(2-chloroethoxy)methane	bcf_fish	6.50E-04	N/A
111-91-1	bis(2-chloroethoxy)methane	baf_fish	0	N/A
111-91-1	bis(2-chloroethoxy)methane	bsaf_fish	0	N/A
111-91-1	bis(2-chloroethoxy)methane	rfd	3.00E-03	N/A
111-91-1	bis(2-chloroethoxy)methane	oral_csf	ND	N/A
111-91-1	bis(2-chloroethoxy)methane	rfc	ND	N/A
111-91-1	bis(2-chloroethoxy)methane	inhalation_urf	ND	N/A
111-91-1	bis(2-chloroethoxy)methane	inhalation_csf	ND	N/A
111-91-1	bis(2-chloroethoxy)methane	chemical_type	O	N/A
111-91-1	bis(2-chloroethoxy)methane	chemical_subtype		N/A
111-91-1	bis(2-chloroethoxy)methane	br_grain	6.9	N/A
111-91-1	bis(2-chloroethoxy)methane	ba_egg	3.70E-04	N/A
111-91-1	bis(2-chloroethoxy)methane	ba_chicken	6.47E-04	N/A
111-91-1	bis(2-chloroethoxy)methane	inhalation_rfd	ND	N/A
111-91-1	bis(2-chloroethoxy)methane	tef	ND	N/A
1120-21-4	undecane	cas_number	1120-21-4	N/A
1120-21-4	undecane	copc_name	undecane	N/A
1120-21-4	undecane	mw	156	N/A
1120-21-4	undecane	t_m	211	N/A
1120-21-4	undecane	v_p	5.15E-04	N/A
1120-21-4	undecane	s	4.00E-02	N/A
1120-21-4	undecane	h	1.83	N/A
1120-21-4	undecane	d_a	4.70E-02	N/A
1120-21-4	undecane	dw	5.31E-06	N/A
1120-21-4	undecane	k_ow	8.70E+06	N/A

CAS No.	COPC Name	Symbol	Current	Original
1120-21-4	undecane	k_oc	3.19E+05	N/A
1120-21-4	undecane	kd_s	3.19E+03	N/A
1120-21-4	undecane	kd_sw	2.39E+04	N/A
1120-21-4	undecane	kd_bs	1.27E+04	N/A
1120-21-4	undecane	k_sg	0	N/A
1120-21-4	undecane	f_v	1	N/A
1120-21-4	undecane	rcf	6.70E+03	N/A
1120-21-4	undecane	br_root_veg	2.1	N/A
1120-21-4	undecane	br_leafy_veg	3.80E-03	N/A
1120-21-4	undecane	br_forage	3.80E-03	N/A
1120-21-4	undecane	bv_leafy_veg	7.51E-01	N/A
1120-21-4	undecane	bv_forage	7.51E-01	N/A
1120-21-4	undecane	ba_milk	5.01E-03	N/A
1120-21-4	undecane	ba_beef	2.38E-02	N/A
1120-21-4	undecane	ba_pork	2.88E-02	N/A
1120-21-4	undecane	bcf_fish	1.80E-02	N/A
1120-21-4	undecane	baf_fish	0	N/A
1120-21-4	undecane	bsaf_fish	0	N/A
1120-21-4	undecane	rfd	0.1	N/A
1120-21-4	undecane	oral_csf	ND	N/A
1120-21-4	undecane	rfc	0.2	N/A
1120-21-4	undecane	inhalation_urf	ND	N/A
1120-21-4	undecane	inhalation_csf	ND	N/A
1120-21-4	undecane	chemical_type	O	N/A
1120-21-4	undecane	chemical_subtype		N/A
1120-21-4	undecane	br_grain	3.80E-03	N/A
1120-21-4	undecane	ba_egg	1.00E-02	N/A
1120-21-4	undecane	ba_chicken	1.75E-02	N/A
1120-21-4	undecane	inhalation_rfd	ND	N/A
1120-21-4	undecane	tef	ND	N/A
115-07-1	propylene	cas_number	115-07-1	N/A
115-07-1	propylene	copc_name	propylene	N/A
115-07-1	propylene	mw	42.1	N/A
115-07-1	propylene	t_m	88	N/A
115-07-1	propylene	v_p	11.4	N/A
115-07-1	propylene	s	200	N/A
115-07-1	propylene	h	0.196	N/A
115-07-1	propylene	d_a	0.11	N/A
115-07-1	propylene	dw	1.07E-05	N/A
115-07-1	propylene	k_ow	58.9	N/A
115-07-1	propylene	k_oc	25.7	N/A
115-07-1	propylene	kd_s	0.257	N/A
115-07-1	propylene	kd_sw	1.93	N/A
115-07-1	propylene	kd_bs	1.03	N/A
115-07-1	propylene	k_sg	0	N/A
115-07-1	propylene	f_v	1	N/A

CAS No.	COPC Name	Symbol	Current	Original
115-07-1	propylene	rcf	0.7	N/A
115-07-1	propylene	br_root_veg	2.7	N/A
115-07-1	propylene	br_leafy_veg	3.7	N/A
115-07-1	propylene	br_forage	3.7	N/A
115-07-1	propylene	bv_leafy_veg	2.19E-05	N/A
115-07-1	propylene	bv_forage	2.19E-05	N/A
115-07-1	propylene	ba_milk	4.22E-04	N/A
115-07-1	propylene	ba_beef	2.01E-03	N/A
115-07-1	propylene	ba_pork	2.43E-03	N/A
115-07-1	propylene	bcf_fish	1.50E-03	N/A
115-07-1	propylene	baf_fish	0	N/A
115-07-1	propylene	bsaf_fish	0	N/A
115-07-1	propylene	rfd	ND	N/A
115-07-1	propylene	oral_csf	ND	N/A
115-07-1	propylene	rfc	3	N/A
115-07-1	propylene	inhalation_urf	ND	N/A
115-07-1	propylene	inhalation_csf	ND	N/A
115-07-1	propylene	chemical_type	O	N/A
115-07-1	propylene	chemical_subtype		N/A
115-07-1	propylene	br_grain	3.7	N/A
115-07-1	propylene	ba_egg	8.45E-04	N/A
115-07-1	propylene	ba_chicken	1.48E-03	N/A
115-07-1	propylene	inhalation_rfd	ND	N/A
115-07-1	propylene	tef	ND	N/A
117-81-7	Ethylhexyl phthalate, bis-2-	inhalation_urf	2.40E-06	0
117-84-0	Di-n-octylphthalate	rfd	1.00E-02	0
120-82-1	Trichlorobenzene, 1,2,4-	oral_csf	2.90E-02	0.0036
120-82-1	Trichlorobenzene, 1,2,4-	rfc	2.00E-03	0
122-39-4	diphenylamine	cas_number	122-39-4	N/A
122-39-4	diphenylamine	copc_name	diphenylamine	N/A
122-39-4	diphenylamine	mw	169	N/A
122-39-4	diphenylamine	t_m	326	N/A
122-39-4	diphenylamine	v_p	8.06E-04	N/A
122-39-4	diphenylamine	s	53	N/A
122-39-4	diphenylamine	h	2.69E-06	N/A
122-39-4	diphenylamine	d_a	4.17E-02	N/A
122-39-4	diphenylamine	dw	7.63E-06	N/A
122-39-4	diphenylamine	k_ow	3.20E+03	N/A
122-39-4	diphenylamine	k_oc	2.79E+03	N/A
122-39-4	diphenylamine	kd_s	27.9	N/A
122-39-4	diphenylamine	kd_sw	209	N/A
122-39-4	diphenylamine	kd_bs	112	N/A
122-39-4	diphenylamine	k_sg	0	N/A
122-39-4	diphenylamine	f_v	1	N/A
122-39-4	diphenylamine	rcf	15	N/A
122-39-4	diphenylamine	br_root_veg	0.54	N/A

CAS No.	COPC Name	Symbol	Current	Original
122-39-4	diphenylamine	br_leafy_veg	0.36	N/A
122-39-4	diphenylamine	br_forage	0.36	N/A
122-39-4	diphenylamine	bv_leafy_veg	1.12E+02	N/A
122-39-4	diphenylamine	bv_forage	1.12E+02	N/A
122-39-4	diphenylamine	ba_milk	3.77E-03	N/A
122-39-4	diphenylamine	ba_beef	1.79E-02	N/A
122-39-4	diphenylamine	ba_pork	2.17E-02	N/A
122-39-4	diphenylamine	bcf_fish	1.30E-02	N/A
122-39-4	diphenylamine	baf_fish	0	N/A
122-39-4	diphenylamine	bsaf_fish	0	N/A
122-39-4	diphenylamine	rfd	2.50E-02	N/A
122-39-4	diphenylamine	oral_csf	ND	N/A
122-39-4	diphenylamine	rfc	ND	N/A
122-39-4	diphenylamine	inhalation_urf	ND	N/A
122-39-4	diphenylamine	inhalation_csf	ND	N/A
122-39-4	diphenylamine	chemical_type	O	N/A
122-39-4	diphenylamine	chemical_subty	Ionizing	N/A
122-39-4	diphenylamine	br_grain	0.36	N/A
122-39-4	diphenylamine	ba_egg	7.54E-03	N/A
122-39-4	diphenylamine	ba_chicken	1.32E-02	N/A
122-39-4	diphenylamine	inhalation_rfd	ND	N/A
122-39-4	diphenylamine	tef	ND	N/A
123-38-6	propanal	cas_number	123-38-6	N/A
123-38-6	propanal	copc_name	propanal	N/A
123-38-6	propanal	mw	58.1	N/A
123-38-6	propanal	t_m	265	N/A
123-38-6	propanal	v_p	0.417	N/A
123-38-6	propanal	s	3.06E+05	N/A
123-38-6	propanal	h	7.34E-05	N/A
123-38-6	propanal	d_a	0.11	N/A
123-38-6	propanal	dw	1.22E-05	N/A
123-38-6	propanal	k_ow	4	N/A
123-38-6	propanal	k_oc	3.91	N/A
123-38-6	propanal	kd_s	3.91E-02	N/A
123-38-6	propanal	kd_sw	0.293	N/A
123-38-6	propanal	kd_bs	0.156	N/A
123-38-6	propanal	k_sg	0	N/A
123-38-6	propanal	f_v	1	N/A
123-38-6	propanal	rcf	8.80E-02	N/A
123-38-6	propanal	br_root_veg	2.2	N/A
123-38-6	propanal	br_leafy_veg	17	N/A
123-38-6	propanal	br_forage	17	N/A
123-38-6	propanal	bv_leafy_veg	3.33E-03	N/A
123-38-6	propanal	bv_forage	3.33E-03	N/A
123-38-6	propanal	ba_milk	4.47E-05	N/A
123-38-6	propanal	ba_beef	2.12E-04	N/A

CAS No.	COPC Name	Symbol	Current	Original
123-38-6	propanal	ba_pork	2.57E-04	N/A
123-38-6	propanal	bcf_fish	1.60E-04	N/A
123-38-6	propanal	baf_fish	0	N/A
123-38-6	propanal	bsaf_fish	0	N/A
123-38-6	propanal	rfd	ND	N/A
123-38-6	propanal	oral_csf	ND	N/A
123-38-6	propanal	rfc	8.00E-03	N/A
123-38-6	propanal	inhalation_urf	ND	N/A
123-38-6	propanal	inhalation_csf	ND	N/A
123-38-6	propanal	chemical_type	O	N/A
123-38-6	propanal	chemical_subtype		N/A
123-38-6	propanal	br_grain	17	N/A
123-38-6	propanal	ba_egg	8.94E-05	N/A
123-38-6	propanal	ba_chicken	1.56E-04	N/A
123-38-6	propanal	inhalation_rfd	ND	N/A
123-38-6	propanal	tef	ND	N/A
123-91-1	Dioxane, 1,4-	rfd	3.00E-02	0.857
123-91-1	Dioxane, 1,4-	oral_csf	1.00E-01	0.011
123-91-1	Dioxane, 1,4-	rfc	3.00E-02	3
123-91-1	Dioxane, 1,4-	inhalation_urf	5.00E-06	3.10E-06
124-48-1	Dibromochloromethane	inhalation_urf	2.70E-05	2.40E-05
126-98-7	Methacrylonitrile	rfc	3.00E-02	0.0007
127-18-4	Tetrachloroethylene (Perchloroetl	rfd	6.00E-03	0.01
127-18-4	Tetrachloroethylene (Perchloroetl	oral_csf	2.10E-03	0.052
127-18-4	Tetrachloroethylene (Perchloroetl	rfc	4.00E-02	0.4
127-18-4	Tetrachloroethylene (Perchloroetl	inhalation_urf	2.60E-07	5.90E-06
132-64-9	dibenzofuran	cas_number	132-64-9	N/A
132-64-9	dibenzofuran	copc_name	dibenzofuran	N/A
132-64-9	dibenzofuran	mw	168	N/A
132-64-9	dibenzofuran	t_m	360	N/A
132-64-9	dibenzofuran	v_p	2.48E-03	N/A
132-64-9	dibenzofuran	s	3.1	N/A
132-64-9	dibenzofuran	h	2.13E-04	N/A
132-64-9	dibenzofuran	d_a	4.10E-02	N/A
132-64-9	dibenzofuran	dw	7.38E-06	N/A
132-64-9	dibenzofuran	k_ow	1.30E+04	N/A
132-64-9	dibenzofuran	k_oc	1.11E+04	N/A
132-64-9	dibenzofuran	kd_s	111	N/A
132-64-9	dibenzofuran	kd_sw	831	N/A
132-64-9	dibenzofuran	kd_bs	443	N/A
132-64-9	dibenzofuran	k_sg	0	N/A
132-64-9	dibenzofuran	f_v	1	N/A
132-64-9	dibenzofuran	rcf	44	N/A
132-64-9	dibenzofuran	br_root_veg	0.4	N/A
132-64-9	dibenzofuran	br_leafy_veg	0.16	N/A
132-64-9	dibenzofuran	br_forage	0.16	N/A

CAS No.	COPC Name	Symbol	Current	Original
132-64-9	dibenzofuran	bv_leafy_veg	6.32	N/A
132-64-9	dibenzofuran	bv_forage	6.32	N/A
132-64-9	dibenzofuran	ba_milk	5.87E-03	N/A
132-64-9	dibenzofuran	ba_beef	2.79E-02	N/A
132-64-9	dibenzofuran	ba_pork	3.37E-02	N/A
132-64-9	dibenzofuran	bcf_fish	2.10E-02	N/A
132-64-9	dibenzofuran	baf_fish	0	N/A
132-64-9	dibenzofuran	bsaf_fish	0	N/A
132-64-9	dibenzofuran	rfd	1.00E-03	N/A
132-64-9	dibenzofuran	oral_csf	ND	N/A
132-64-9	dibenzofuran	rfc	ND	N/A
132-64-9	dibenzofuran	inhalation_urf	ND	N/A
132-64-9	dibenzofuran	inhalation_csf	ND	N/A
132-64-9	dibenzofuran	chemical_type	O	N/A
132-64-9	dibenzofuran	chemical_subtype		N/A
132-64-9	dibenzofuran	br_grain	0.16	N/A
132-64-9	dibenzofuran	ba_egg	1.17E-02	N/A
132-64-9	dibenzofuran	ba_chicken	2.05E-02	N/A
132-64-9	dibenzofuran	inhalation_rfd	ND	N/A
132-64-9	dibenzofuran	tef	ND	N/A
134-32-7	1-Naphthylamine	cas_number	134-32-7	N/A
134-32-7	1-Naphthylamine	copc_name	1-Naphthylamine	N/A
134-32-7	1-Naphthylamine	mw	1.43E+02	N/A
134-32-7	1-Naphthylamine	t_m	3.23E+02	N/A
134-32-7	1-Naphthylamine	v_p	5.59E-02	N/A
134-32-7	1-Naphthylamine	s	2.22E+03	N/A
134-32-7	1-Naphthylamine	h	4.10E-06	N/A
134-32-7	1-Naphthylamine	d_a	4.51E-02	N/A
134-32-7	1-Naphthylamine	dw	8.40E-06	N/A
134-32-7	1-Naphthylamine	k_ow	1.70E+02	N/A
134-32-7	1-Naphthylamine	k_oc	1.56E+02	N/A
134-32-7	1-Naphthylamine	kd_s	1.56	N/A
134-32-7	1-Naphthylamine	kd_sw	11.7	N/A
134-32-7	1-Naphthylamine	kd_bs	6.24	N/A
134-32-7	1-Naphthylamine	k_sg	0	N/A
134-32-7	1-Naphthylamine	f_v	1	N/A
134-32-7	1-Naphthylamine	rcf	1.6	N/A
134-32-7	1-Naphthylamine	br_root_veg	1	N/A
134-32-7	1-Naphthylamine	br_leafy_veg	2	N/A
134-32-7	1-Naphthylamine	br_forage	2	N/A
134-32-7	1-Naphthylamine	bv_leafy_veg	3.24	N/A
134-32-7	1-Naphthylamine	bv_forage	3.24	N/A
134-32-7	1-Naphthylamine	ba_milk	8.63E-04	N/A
134-32-7	1-Naphthylamine	ba_beef	4.10E-03	N/A
134-32-7	1-Naphthylamine	ba_pork	4.96E-03	N/A
134-32-7	1-Naphthylamine	bcf_fish	3.00E-03	N/A

CAS No.	COPC Name	Symbol	Current	Original
134-32-7	1-Naphthylamine	baf_fish	0	N/A
134-32-7	1-Naphthylamine	bsaf_fish	0	N/A
134-32-7	1-Naphthylamine	rfd	ND	N/A
134-32-7	1-Naphthylamine	oral_csf	1.8	N/A
134-32-7	1-Naphthylamine	rfc	ND	N/A
134-32-7	1-Naphthylamine	inhalation_urf	5.14E-04	N/A
134-32-7	1-Naphthylamine	inhalation_csf	ND	N/A
134-32-7	1-Naphthylamine	chemical_type	O	N/A
134-32-7	1-Naphthylamine	chemical_subty	PAH	N/A
134-32-7	1-Naphthylamine	br_grain	2	N/A
134-32-7	1-Naphthylamine	ba_egg	1.73E-03	N/A
134-32-7	1-Naphthylamine	ba_chicken	3.02E-03	N/A
134-32-7	1-Naphthylamine	inhalation_rfd	ND	N/A
134-32-7	1-Naphthylamine	tef	ND	N/A
14797-73-0	perchlorate	cas_number	14797-73-0	N/A
14797-73-0	perchlorate	copc_name	perchlorate	N/A
14797-73-0	perchlorate	mw	117	N/A
14797-73-0	perchlorate	t_m	161	N/A
14797-73-0	perchlorate	v_p	0	N/A
14797-73-0	perchlorate	s	2.45E+05	N/A
14797-73-0	perchlorate	h	0	N/A
14797-73-0	perchlorate	d_a	7.94E-02	N/A
14797-73-0	perchlorate	dw	9.20E-06	N/A
14797-73-0	perchlorate	k_ow	0	N/A
14797-73-0	perchlorate	k_oc	0	N/A
14797-73-0	perchlorate	kd_s	0	N/A
14797-73-0	perchlorate	kd_sw	0	N/A
14797-73-0	perchlorate	kd_bs	0	N/A
14797-73-0	perchlorate	k_sg	0	N/A
14797-73-0	perchlorate	f_v	0	N/A
14797-73-0	perchlorate	rcf	0	N/A
14797-73-0	perchlorate	br_root_veg	0	N/A
14797-73-0	perchlorate	br_leafy_veg	0	N/A
14797-73-0	perchlorate	br_forage	0	N/A
14797-73-0	perchlorate	bv_leafy_veg	0	N/A
14797-73-0	perchlorate	bv_forage	0	N/A
14797-73-0	perchlorate	ba_milk	0	N/A
14797-73-0	perchlorate	ba_beef	0	N/A
14797-73-0	perchlorate	ba_pork	0	N/A
14797-73-0	perchlorate	bcf_fish	0	N/A
14797-73-0	perchlorate	baf_fish	0	N/A
14797-73-0	perchlorate	bsaf_fish	0	N/A
14797-73-0	perchlorate	rfd	7.00E-04	N/A
14797-73-0	perchlorate	oral_csf	ND	N/A
14797-73-0	perchlorate	rfc	ND	N/A
14797-73-0	perchlorate	inhalation_urf	ND	N/A

CAS No.	COPC Name	Symbol	Current	Original
14797-73-0	perchlorate	inhalation_csf	ND	N/A
14797-73-0	perchlorate	chemical_type	O	N/A
14797-73-0	perchlorate	chemical_subty	Ionizing	N/A
14797-73-0	perchlorate	br_grain	0	N/A
14797-73-0	perchlorate	ba_egg	0	N/A
14797-73-0	perchlorate	ba_chicken	0	N/A
14797-73-0	perchlorate	inhalation_rfd	ND	N/A
14797-73-0	perchlorate	tef	ND	N/A
156-59-2	Dichloroethylene, cis-1,2-	rfd	2.00E-03	0
156-60-5	Dichloroethylene-1,2 (trans)	rfc	6.00E-02	0.07
1634-04-4	methyl tert-butyl ether	cas_number	1634-04-4	N/A
1634-04-4	methyl tert-butyl ether	copc_name	methyl tert-butyl et	N/A
1634-04-4	methyl tert-butyl ether	mw	88.2	N/A
1634-04-4	methyl tert-butyl ether	t_m	165	N/A
1634-04-4	methyl tert-butyl ether	v_p	250	N/A
1634-04-4	methyl tert-butyl ether	s	5.10E+04	N/A
1634-04-4	methyl tert-butyl ether	h	5.80E-04	N/A
1634-04-4	methyl tert-butyl ether	d_a	7.53E-02	N/A
1634-04-4	methyl tert-butyl ether	dw	8.59E-06	N/A
1634-04-4	methyl tert-butyl ether	k_ow	9	N/A
1634-04-4	methyl tert-butyl ether	k_oc	5.8	N/A
1634-04-4	methyl tert-butyl ether	kd_s	5.80E-02	N/A
1634-04-4	methyl tert-butyl ether	kd_sw	0.435	N/A
1634-04-4	methyl tert-butyl ether	kd_bs	0.232	N/A
1634-04-4	methyl tert-butyl ether	k_sg	0	N/A
1634-04-4	methyl tert-butyl ether	f_v	1	N/A
1634-04-4	methyl tert-butyl ether	rcf	0.16	N/A
1634-04-4	methyl tert-butyl ether	br_root_veg	2.8	N/A
1634-04-4	methyl tert-butyl ether	br_leafy_veg	11	N/A
1634-04-4	methyl tert-butyl ether	br_forage	11	N/A
1634-04-4	methyl tert-butyl ether	bv_leafy_veg	9.89E-04	N/A
1634-04-4	methyl tert-butyl ether	bv_forage	9.89E-04	N/A
1634-04-4	methyl tert-butyl ether	ba_milk	9.40E-05	N/A
1634-04-4	methyl tert-butyl ether	ba_beef	4.46E-04	N/A
1634-04-4	methyl tert-butyl ether	ba_pork	5.40E-04	N/A
1634-04-4	methyl tert-butyl ether	bcf_fish	3.30E-04	N/A
1634-04-4	methyl tert-butyl ether	baf_fish	0	N/A
1634-04-4	methyl tert-butyl ether	bsaf_fish	0	N/A
1634-04-4	methyl tert-butyl ether	rfd	ND	N/A
1634-04-4	methyl tert-butyl ether	oral_csf	1.80E-03	N/A
1634-04-4	methyl tert-butyl ether	rfc	3	N/A
1634-04-4	methyl tert-butyl ether	inhalation_urf	2.60E-07	N/A
1634-04-4	methyl tert-butyl ether	inhalation_csf	ND	N/A
1634-04-4	methyl tert-butyl ether	chemical_type	O	N/A
1634-04-4	methyl tert-butyl ether	chemical_subtype		N/A
1634-04-4	methyl tert-butyl ether	br_grain	11	N/A

CAS No.	COPC Name	Symbol	Current	Original
1634-04-4	methyl tert-butyl ether	ba_egg	1.88E-04	N/A
1634-04-4	methyl tert-butyl ether	ba_chicken	3.29E-04	N/A
1634-04-4	methyl tert-butyl ether	inhalation_rfd	ND	N/A
1634-04-4	methyl tert-butyl ether	tef	ND	N/A
1746-01-6	TetraCDD, 2,3,7,8-	rfd	7.00E-10	1.00E-09
1746-01-6	TetraCDD, 2,3,7,8-	oral_csf	1.30E+05	150000
1746-01-6	TetraCDD, 2,3,7,8-	rfc	4.00E-08	0
1746-01-6	TetraCDD, 2,3,7,8-	inhalation_urf	3.80E+01	0
18540-29-9	Chromium, hexavalent	oral_csf	2.7	0
18540-29-9	Chromium, hexavalent	rfc	1.00E-04	8.00E-06
18540-29-9	Chromium, hexavalent	inhalation_urf	4.50E-01	0.012
1888-71-7	hexachloropropene	cas_number	1888-71-7	N/A
1888-71-7	hexachloropropene	copc_name	hexachloropropene	N/A
1888-71-7	hexachloropropene	mw	249	N/A
1888-71-7	hexachloropropene	t_m	194	N/A
1888-71-7	hexachloropropene	v_p	4.53E-04	N/A
1888-71-7	hexachloropropene	s	4.5	N/A
1888-71-7	hexachloropropene	h	2.50E-02	N/A
1888-71-7	hexachloropropene	d_a	6.36E-02	N/A
1888-71-7	hexachloropropene	dw	7.09E-06	N/A
1888-71-7	hexachloropropene	k_ow	2.40E+04	N/A
1888-71-7	hexachloropropene	k_oc	2.02E+04	N/A
1888-71-7	hexachloropropene	kd_s	2.02E+02	N/A
1888-71-7	hexachloropropene	kd_sw	1.52E+03	N/A
1888-71-7	hexachloropropene	kd_bs	8.09E+02	N/A
1888-71-7	hexachloropropene	k_sg	0	N/A
1888-71-7	hexachloropropene	f_v	1	N/A
1888-71-7	hexachloropropene	rcf	71	N/A
1888-71-7	hexachloropropene	br_root_veg	0.35	N/A
1888-71-7	hexachloropropene	br_leafy_veg	0.11	N/A
1888-71-7	hexachloropropene	br_forage	0.11	N/A
1888-71-7	hexachloropropene	bv_leafy_veg	1.03E-01	N/A
1888-71-7	hexachloropropene	bv_forage	1.03E-01	N/A
1888-71-7	hexachloropropene	ba_milk	6.75E-03	N/A
1888-71-7	hexachloropropene	ba_beef	3.21E-02	N/A
1888-71-7	hexachloropropene	ba_pork	3.88E-02	N/A
1888-71-7	hexachloropropene	bcf_fish	2.40E-02	N/A
1888-71-7	hexachloropropene	baf_fish	0	N/A
1888-71-7	hexachloropropene	bsaf_fish	0	N/A
1888-71-7	hexachloropropene	rfd	7.00E-04	N/A
1888-71-7	hexachloropropene	oral_csf	4.00E-02	N/A
1888-71-7	hexachloropropene	rfc	3.00E-02	N/A
1888-71-7	hexachloropropene	inhalation_urf	1.10E-05	N/A
1888-71-7	hexachloropropene	inhalation_csf	ND	N/A
1888-71-7	hexachloropropene	chemical_type	O	N/A
1888-71-7	hexachloropropene	chemical_subtype		N/A

CAS No.	COPC Name	Symbol	Current	Original
1888-71-7	hexachloropropene	br_grain	0.11	N/A
1888-71-7	hexachloropropene	ba_egg	1.35E-02	N/A
1888-71-7	hexachloropropene	ba_chicken	2.36E-02	N/A
1888-71-7	hexachloropropene	inhalation_rfd	ND	N/A
1888-71-7	hexachloropropene	tef	ND	N/A
191-24-2	benzo(g,h,i)perylene	cas_number	191-24-2	N/A
191-24-2	benzo(g,h,i)perylene	copc_name	benzo(g,h,i)perylene	N/A
191-24-2	benzo(g,h,i)perylene	mw	276	N/A
191-24-2	benzo(g,h,i)perylene	t_m	551	N/A
191-24-2	benzo(g,h,i)perylene	v_p	1.30E-13	N/A
191-24-2	benzo(g,h,i)perylene	s	0.00026	N/A
191-24-2	benzo(g,h,i)perylene	h	1.41E-07	N/A
191-24-2	benzo(g,h,i)perylene	d_a	0.49	N/A
191-24-2	benzo(g,h,i)perylene	dw	4.90E-06	N/A
191-24-2	benzo(g,h,i)perylene	k_ow	4.30E+06	N/A
191-24-2	benzo(g,h,i)perylene	k_oc	3.32E+06	N/A
191-24-2	benzo(g,h,i)perylene	kd_s	3.32E+04	N/A
191-24-2	benzo(g,h,i)perylene	kd_sw	2.49E+05	N/A
191-24-2	benzo(g,h,i)perylene	kd_bs	1.33E+05	N/A
191-24-2	benzo(g,h,i)perylene	k_sg	0	N/A
191-24-2	benzo(g,h,i)perylene	f_v	6.95E-05	N/A
191-24-2	benzo(g,h,i)perylene	rcf	3.90E+03	N/A
191-24-2	benzo(g,h,i)perylene	br_root_veg	0.12	N/A
191-24-2	benzo(g,h,i)perylene	br_leafy_veg	5.70E-03	N/A
191-24-2	benzo(g,h,i)perylene	br_forage	5.70E-03	N/A
191-24-2	benzo(g,h,i)perylene	bv_leafy_veg	4.60E+06	N/A
191-24-2	benzo(g,h,i)perylene	bv_forage	4.60E+06	N/A
191-24-2	benzo(g,h,i)perylene	ba_milk	6.08E-03	N/A
191-24-2	benzo(g,h,i)perylene	ba_beef	2.89E-02	N/A
191-24-2	benzo(g,h,i)perylene	ba_pork	3.49E-02	N/A
191-24-2	benzo(g,h,i)perylene	bcf_fish	2.10E-02	N/A
191-24-2	benzo(g,h,i)perylene	baf_fish	0	N/A
191-24-2	benzo(g,h,i)perylene	bsaf_fish	0	N/A
191-24-2	benzo(g,h,i)perylene	rfd	3.00E-02	N/A
191-24-2	benzo(g,h,i)perylene	oral_csf	ND	N/A
191-24-2	benzo(g,h,i)perylene	rfc	ND	N/A
191-24-2	benzo(g,h,i)perylene	inhalation_urf	ND	N/A
191-24-2	benzo(g,h,i)perylene	inhalation_csf	ND	N/A
191-24-2	benzo(g,h,i)perylene	chemical_type	O	N/A
191-24-2	benzo(g,h,i)perylene	chemical_subty	PAH	N/A
191-24-2	benzo(g,h,i)perylene	br_grain	5.70E-03	N/A
191-24-2	benzo(g,h,i)perylene	ba_egg	1.22E-02	N/A
191-24-2	benzo(g,h,i)perylene	ba_chicken	2.13E-02	N/A
191-24-2	benzo(g,h,i)perylene	inhalation_rfd	ND	N/A
191-24-2	benzo(g,h,i)perylene	tef	ND	N/A
193-39-5	Indeno(1,2,3-cd) pyrene	oral_csf	3.9	0.73

CAS No.	COPC Name	Symbol	Current	Original
193-39-5	Indeno(1,2,3-cd) pyrene	inhalation_urf	5.80E-04	0.00011
205-99-2	Benzo(b)fluoranthene	oral_csf	3.9	0.73
205-99-2	Benzo(b)fluoranthene	inhalation_urf	5.80E-04	0.00011
207-08-9	Benzo(k)fluoranthene	oral_csf	0.39	0.073
207-08-9	Benzo(k)fluoranthene	inhalation_urf	5.80E-04	0.00011
208-96-8	acenaphthylene	cas_number	208-96-8	N/A
208-96-8	acenaphthylene	copc_name	acenaphthylene	N/A
208-96-8	acenaphthylene	mw	152	N/A
208-96-8	acenaphthylene	t_m	366	N/A
208-96-8	acenaphthylene	v_p	1.20E-06	N/A
208-96-8	acenaphthylene	s	16.1	N/A
208-96-8	acenaphthylene	h	1.14E-04	N/A
208-96-8	acenaphthylene	d_a	4.39E-02	N/A
208-96-8	acenaphthylene	dw	7.53E-06	N/A
208-96-8	acenaphthylene	k_ow	8.70E+03	N/A
208-96-8	acenaphthylene	k_oc	7.46E+03	N/A
208-96-8	acenaphthylene	kd_s	74.6	N/A
208-96-8	acenaphthylene	kd_sw	560	N/A
208-96-8	acenaphthylene	kd_bs	298	N/A
208-96-8	acenaphthylene	k_sg	0	N/A
208-96-8	acenaphthylene	f_v	0.998	N/A
208-96-8	acenaphthylene	rcf	33	N/A
208-96-8	acenaphthylene	br_root_veg	0.44	N/A
208-96-8	acenaphthylene	br_leafy_veg	0.2	N/A
208-96-8	acenaphthylene	br_forage	0.2	N/A
208-96-8	acenaphthylene	bv_leafy_veg	7.69	N/A
208-96-8	acenaphthylene	bv_forage	7.69	N/A
208-96-8	acenaphthylene	ba_milk	5.26E-03	N/A
208-96-8	acenaphthylene	ba_beef	2.50E-02	N/A
208-96-8	acenaphthylene	ba_pork	3.02E-02	N/A
208-96-8	acenaphthylene	bcf_fish	1.80E-02	N/A
208-96-8	acenaphthylene	baf_fish	0	N/A
208-96-8	acenaphthylene	bsaf_fish	0	N/A
208-96-8	acenaphthylene	rfd	6.00E-02	N/A
208-96-8	acenaphthylene	oral_csf	ND	N/A
208-96-8	acenaphthylene	rfc	ND	N/A
208-96-8	acenaphthylene	inhalation_urf	ND	N/A
208-96-8	acenaphthylene	inhalation_csf	ND	N/A
208-96-8	acenaphthylene	chemical_type	O	N/A
208-96-8	acenaphthylene	chemical_subty	PAH	N/A
208-96-8	acenaphthylene	br_grain	0.2	N/A
208-96-8	acenaphthylene	ba_egg	1.05E-02	N/A
208-96-8	acenaphthylene	ba_chicken	1.84E-02	N/A
208-96-8	acenaphthylene	inhalation_rfd	ND	N/A
208-96-8	acenaphthylene	tef	ND	N/A
218-01-9	Chrysene	oral_csf	3.90E-02	0.0073

CAS No.	COPC Name	Symbol	Current	Original
218-01-9	Chrysene	inhalation_urf	5.80E-05	1.10E-05
4170-30-3	crotonaldehyde	cas_number	4170-30-3	N/A
4170-30-3	crotonaldehyde	copc_name	crotonaldehyde	N/A
4170-30-3	crotonaldehyde	mw	70.1	N/A
4170-30-3	crotonaldehyde	t_m	162	N/A
4170-30-3	crotonaldehyde	v_p	0.025	N/A
4170-30-3	crotonaldehyde	s	1.50E+05	N/A
4170-30-3	crotonaldehyde	h	1.13E-05	N/A
4170-30-3	crotonaldehyde	d_a	0.0903	N/A
4170-30-3	crotonaldehyde	dw	1.02E-05	N/A
4170-30-3	crotonaldehyde	k_ow	4	N/A
4170-30-3	crotonaldehyde	k_oc	3.91	N/A
4170-30-3	crotonaldehyde	kd_s	0.0391	N/A
4170-30-3	crotonaldehyde	kd_sw	0.293	N/A
4170-30-3	crotonaldehyde	kd_bs	0.156	N/A
4170-30-3	crotonaldehyde	k_sg	0	N/A
4170-30-3	crotonaldehyde	f_v	1	N/A
4170-30-3	crotonaldehyde	rcf	8.80E-02	N/A
4170-30-3	crotonaldehyde	br_root_veg	2.2	N/A
4170-30-3	crotonaldehyde	br_leafy_veg	17	N/A
4170-30-3	crotonaldehyde	br_forage	17	N/A
4170-30-3	crotonaldehyde	bv_leafy_veg	2.17E-02	N/A
4170-30-3	crotonaldehyde	bv_forage	2.17E-02	N/A
4170-30-3	crotonaldehyde	ba_milk	4.47E-05	N/A
4170-30-3	crotonaldehyde	ba_beef	2.12E-04	N/A
4170-30-3	crotonaldehyde	ba_pork	2.57E-04	N/A
4170-30-3	crotonaldehyde	bcf_fish	1.60E-04	N/A
4170-30-3	crotonaldehyde	baf_fish	0	N/A
4170-30-3	crotonaldehyde	bsaf_fish	0	N/A
4170-30-3	crotonaldehyde	rfd	ND	N/A
4170-30-3	crotonaldehyde	oral_csf	1.9	N/A
4170-30-3	crotonaldehyde	rfc	ND	N/A
4170-30-3	crotonaldehyde	inhalation_urf	ND	N/A
4170-30-3	crotonaldehyde	inhalation_csf	ND	N/A
4170-30-3	crotonaldehyde	chemical_type	O	N/A
4170-30-3	crotonaldehyde	chemical_subtype		N/A
4170-30-3	crotonaldehyde	br_grain	17	N/A
4170-30-3	crotonaldehyde	ba_egg	8.94E-05	N/A
4170-30-3	crotonaldehyde	ba_chicken	1.56E-04	N/A
4170-30-3	crotonaldehyde	inhalation_rfd	ND	N/A
4170-30-3	crotonaldehyde	tef	ND	N/A
50-32-8	Benzo(a)pyrene	oral_csf	38.7	7.3
50-32-8	Benzo(a)pyrene	inhalation_urf	5.83E-03	0.0011
526-73-8	1,2,3-Trimethylbenzene	cas_number	526-73-8	N/A
526-73-8	1,2,3-Trimethylbenzene	copc_name	1,2,3-Trimethylbenze	N/A
526-73-8	1,2,3-Trimethylbenzene	mw	120	N/A

CAS No.	COPC Name	Symbol	Current	Original
526-73-8	1,2,3-Trimethylbenzene	t_m	248	N/A
526-73-8	1,2,3-Trimethylbenzene	v_p	1.69	N/A
526-73-8	1,2,3-Trimethylbenzene	s	45	N/A
526-73-8	1,2,3-Trimethylbenzene	h	4.36E-03	N/A
526-73-8	1,2,3-Trimethylbenzene	d_a	7.80E-02	N/A
526-73-8	1,2,3-Trimethylbenzene	dw	9.03E-06	N/A
526-73-8	1,2,3-Trimethylbenzene	k_ow	4600	N/A
526-73-8	1,2,3-Trimethylbenzene	k_oc	810	N/A
526-73-8	1,2,3-Trimethylbenzene	kd_s	8.1	N/A
526-73-8	1,2,3-Trimethylbenzene	kd_sw	60.7	N/A
526-73-8	1,2,3-Trimethylbenzene	kd_bs	32.4	N/A
526-73-8	1,2,3-Trimethylbenzene	k_sg	0	N/A
526-73-8	1,2,3-Trimethylbenzene	f_v	1	N/A
526-73-8	1,2,3-Trimethylbenzene	rcf	20	N/A
526-73-8	1,2,3-Trimethylbenzene	br_root_veg	2.5	N/A
526-73-8	1,2,3-Trimethylbenzene	br_leafy_veg	0.3	N/A
526-73-8	1,2,3-Trimethylbenzene	br_forage	0.3	N/A
526-73-8	1,2,3-Trimethylbenzene	bv_leafy_veg	1.02E-01	N/A
526-73-8	1,2,3-Trimethylbenzene	bv_forage	1.02E-01	N/A
526-73-8	1,2,3-Trimethylbenzene	ba_milk	4.30E-03	N/A
526-73-8	1,2,3-Trimethylbenzene	ba_beef	2.04E-02	N/A
526-73-8	1,2,3-Trimethylbenzene	ba_pork	2.47E-02	N/A
526-73-8	1,2,3-Trimethylbenzene	bcf_fish	1	N/A
526-73-8	1,2,3-Trimethylbenzene	baf_fish	1	N/A
526-73-8	1,2,3-Trimethylbenzene	bsaf_fish	1	N/A
526-73-8	1,2,3-Trimethylbenzene	rfd	ND	N/A
526-73-8	1,2,3-Trimethylbenzene	oral_csf	ND	N/A
526-73-8	1,2,3-Trimethylbenzene	rfc	5.00E-03	N/A
526-73-8	1,2,3-Trimethylbenzene	inhalation_urf	ND	N/A
526-73-8	1,2,3-Trimethylbenzene	inhalation_csf	ND	N/A
526-73-8	1,2,3-Trimethylbenzene	chemical_type	O	N/A
526-73-8	1,2,3-Trimethylbenzene	chemical_subtype		N/A
526-73-8	1,2,3-Trimethylbenzene	br_grain	0.3	N/A
526-73-8	1,2,3-Trimethylbenzene	ba_egg	8.59E-03	N/A
526-73-8	1,2,3-Trimethylbenzene	ba_chicken	1.50E-02	N/A
526-73-8	1,2,3-Trimethylbenzene	inhalation_rfd	ND	N/A
526-73-8	1,2,3-Trimethylbenzene	tef	ND	N/A
529-20-4	o-tolualdehyde	cas_number	529-20-4	N/A
529-20-4	o-tolualdehyde	copc_name	o-tolualdehyde	N/A
529-20-4	o-tolualdehyde	mw	120	N/A
529-20-4	o-tolualdehyde	t_m	298	N/A
529-20-4	o-tolualdehyde	v_p	0.335	N/A
529-20-4	o-tolualdehyde	s	1.20E+03	N/A
529-20-4	o-tolualdehyde	h	1.48E-05	N/A
529-20-4	o-tolualdehyde	d_a	7.80E-02	N/A
529-20-4	o-tolualdehyde	dw	9.04E-06	N/A

CAS No.	COPC Name	Symbol	Current	Original
529-20-4	o-tolualdehyde	k_ow	180	N/A
529-20-4	o-tolualdehyde	k_oc	165	N/A
529-20-4	o-tolualdehyde	kd_s	1.65	N/A
529-20-4	o-tolualdehyde	kd_sw	12.4	N/A
529-20-4	o-tolualdehyde	kd_bs	6.6	N/A
529-20-4	o-tolualdehyde	k_sg	0	N/A
529-20-4	o-tolualdehyde	f_v	1	N/A
529-20-4	o-tolualdehyde	rcf	1.6	N/A
529-20-4	o-tolualdehyde	br_root_veg	1	N/A
529-20-4	o-tolualdehyde	br_leafy_veg	1.9	N/A
529-20-4	o-tolualdehyde	br_forage	1.9	N/A
529-20-4	o-tolualdehyde	bv_leafy_veg	9.53E-01	N/A
529-20-4	o-tolualdehyde	bv_forage	9.53E-01	N/A
529-20-4	o-tolualdehyde	ba_milk	8.95E-04	N/A
529-20-4	o-tolualdehyde	ba_beef	4.25E-03	N/A
529-20-4	o-tolualdehyde	ba_pork	5.14E-03	N/A
529-20-4	o-tolualdehyde	bcf_fish	3.10E-03	N/A
529-20-4	o-tolualdehyde	baf_fish	0	N/A
529-20-4	o-tolualdehyde	bsaf_fish	0	N/A
529-20-4	o-tolualdehyde	rfd	0.1	N/A
529-20-4	o-tolualdehyde	oral_csf	ND	N/A
529-20-4	o-tolualdehyde	rfc	ND	N/A
529-20-4	o-tolualdehyde	inhalation_urf	ND	N/A
529-20-4	o-tolualdehyde	inhalation_csf	ND	N/A
529-20-4	o-tolualdehyde	chemical_type	O	N/A
529-20-4	o-tolualdehyde	chemical_subtype		N/A
529-20-4	o-tolualdehyde	br_grain	1.9	N/A
529-20-4	o-tolualdehyde	ba_egg	1.79E-03	N/A
529-20-4	o-tolualdehyde	ba_chicken	3.13E-03	N/A
529-20-4	o-tolualdehyde	inhalation_rfd	ND	N/A
529-20-4	o-tolualdehyde	tef	ND	N/A
53-70-3	Dibenz(a,h)anthracene	bv_leafy_veg	3.30E+06	31175561
53-70-3	Dibenz(a,h)anthracene	bv_forage	3.30E+06	31175561
53-70-3	Dibenz(a,h)anthracene	oral_csf	38.7	7.3
53-70-3	Dibenz(a,h)anthracene	inhalation_urf	6.36E-03	0.0012
534-52-1	4,6-dinitro-2-methylphenol	cas_number	534-52-1	N/A
534-52-1	4,6-dinitro-2-methylphenol	copc_name	4,6-dinitro-2-methyl	N/A
534-52-1	4,6-dinitro-2-methylphenol	mw	198	N/A
534-52-1	4,6-dinitro-2-methylphenol	t_m	360	N/A
534-52-1	4,6-dinitro-2-methylphenol	v_p	1.58E-07	N/A
534-52-1	4,6-dinitro-2-methylphenol	s	198	N/A
534-52-1	4,6-dinitro-2-methylphenol	h	1.40E-06	N/A
534-52-1	4,6-dinitro-2-methylphenol	d_a	5.59E-02	N/A
534-52-1	4,6-dinitro-2-methylphenol	dw	6.53E-06	N/A
534-52-1	4,6-dinitro-2-methylphenol	k_ow	130	N/A
534-52-1	4,6-dinitro-2-methylphenol	k_oc	120	N/A

CAS No.	COPC Name	Symbol	Current	Original
534-52-1	4,6-dinitro-2-methylphenol	kd_s	1.2	N/A
534-52-1	4,6-dinitro-2-methylphenol	kd_sw	8.98	N/A
534-52-1	4,6-dinitro-2-methylphenol	kd_bs	4.79	N/A
534-52-1	4,6-dinitro-2-methylphenol	k_sg	0	N/A
534-52-1	4,6-dinitro-2-methylphenol	f_v	0.988	N/A
534-52-1	4,6-dinitro-2-methylphenol	rcf	1.3	N/A
534-52-1	4,6-dinitro-2-methylphenol	br_root_veg	1.1	N/A
534-52-1	4,6-dinitro-2-methylphenol	br_leafy_veg	2.3	N/A
534-52-1	4,6-dinitro-2-methylphenol	br_forage	2.3	N/A
534-52-1	4,6-dinitro-2-methylphenol	bv_leafy_veg	7.12	N/A
534-52-1	4,6-dinitro-2-methylphenol	bv_forage	7.12	N/A
534-52-1	4,6-dinitro-2-methylphenol	ba_milk	7.27E-04	N/A
534-52-1	4,6-dinitro-2-methylphenol	ba_beef	3.45E-03	N/A
534-52-1	4,6-dinitro-2-methylphenol	ba_pork	4.18E-03	N/A
534-52-1	4,6-dinitro-2-methylphenol	bcf_fish	2.50E-03	N/A
534-52-1	4,6-dinitro-2-methylphenol	baf_fish	0	N/A
534-52-1	4,6-dinitro-2-methylphenol	bsaf_fish	0	N/A
534-52-1	4,6-dinitro-2-methylphenol	rfd	8.00E-05	N/A
534-52-1	4,6-dinitro-2-methylphenol	oral_csf	ND	N/A
534-52-1	4,6-dinitro-2-methylphenol	rfc	ND	N/A
534-52-1	4,6-dinitro-2-methylphenol	inhalation_urf	ND	N/A
534-52-1	4,6-dinitro-2-methylphenol	inhalation_csf	ND	N/A
534-52-1	4,6-dinitro-2-methylphenol	chemical_type	O	N/A
534-52-1	4,6-dinitro-2-methylphenol	chemical_subty	Ionizing	N/A
534-52-1	4,6-dinitro-2-methylphenol	br_grain	2.3	N/A
534-52-1	4,6-dinitro-2-methylphenol	ba_egg	1.45E-03	N/A
534-52-1	4,6-dinitro-2-methylphenol	ba_chicken	2.54E-03	N/A
534-52-1	4,6-dinitro-2-methylphenol	inhalation_rfd	ND	N/A
534-52-1	4,6-dinitro-2-methylphenol	tef	ND	N/A
540-84-1	2,2,4-trimethylpentane	cas_number	540-84-1	N/A
540-84-1	2,2,4-trimethylpentane	copc_name	2,2,4-trimethylpenta	N/A
540-84-1	2,2,4-trimethylpentane	mw	1.14E+02	N/A
540-84-1	2,2,4-trimethylpentane	t_m	166	N/A
540-84-1	2,2,4-trimethylpentane	v_p	6.49E-02	N/A
540-84-1	2,2,4-trimethylpentane	s	2.4	N/A
540-84-1	2,2,4-trimethylpentane	h	124	N/A
540-84-1	2,2,4-trimethylpentane	d_a	5.74E-02	N/A
540-84-1	2,2,4-trimethylpentane	dw	7.06E-06	N/A
540-84-1	2,2,4-trimethylpentane	k_ow	1.20E+04	N/A
540-84-1	2,2,4-trimethylpentane	k_oc	1.73E+03	N/A
540-84-1	2,2,4-trimethylpentane	kd_s	1.73E+01	N/A
540-84-1	2,2,4-trimethylpentane	kd_sw	1.30E+02	N/A
540-84-1	2,2,4-trimethylpentane	kd_bs	69.2	N/A
540-84-1	2,2,4-trimethylpentane	k_sg	0	N/A
540-84-1	2,2,4-trimethylpentane	f_v	1	N/A
540-84-1	2,2,4-trimethylpentane	rcf	42	N/A

CAS No.	COPC Name	Symbol	Current	Original
540-84-1	2,2,4-trimethylpentane	br_root_veg	2.4	N/A
540-84-1	2,2,4-trimethylpentane	br_leafy_veg	0.17	N/A
540-84-1	2,2,4-trimethylpentane	br_forage	0.17	N/A
540-84-1	2,2,4-trimethylpentane	bv_leafy_veg	9.96E-06	N/A
540-84-1	2,2,4-trimethylpentane	bv_forage	9.96E-06	N/A
540-84-1	2,2,4-trimethylpentane	ba_milk	5.75E-03	N/A
540-84-1	2,2,4-trimethylpentane	ba_beef	2.73E-02	N/A
540-84-1	2,2,4-trimethylpentane	ba_pork	3.30E-02	N/A
540-84-1	2,2,4-trimethylpentane	bcf_fish	2.00E-02	N/A
540-84-1	2,2,4-trimethylpentane	baf_fish	0	N/A
540-84-1	2,2,4-trimethylpentane	bsaf_fish	0	N/A
540-84-1	2,2,4-trimethylpentane	rfd	4.00E-02	N/A
540-84-1	2,2,4-trimethylpentane	oral_csf	ND	N/A
540-84-1	2,2,4-trimethylpentane	rfc	0.2	N/A
540-84-1	2,2,4-trimethylpentane	inhalation_urf	ND	N/A
540-84-1	2,2,4-trimethylpentane	inhalation_csf	ND	N/A
540-84-1	2,2,4-trimethylpentane	chemical_type	O	N/A
540-84-1	2,2,4-trimethylpentane	chemical_subtype		N/A
540-84-1	2,2,4-trimethylpentane	br_grain	0.17	N/A
540-84-1	2,2,4-trimethylpentane	ba_egg	1.15E-02	N/A
540-84-1	2,2,4-trimethylpentane	ba_chicken	2.01E-02	N/A
540-84-1	2,2,4-trimethylpentane	inhalation_rfd	ND	N/A
540-84-1	2,2,4-trimethylpentane	tef	ND	N/A
55-18-5	n-nitrosodiethylamine	cas_number	55-18-5	N/A
55-18-5	n-nitrosodiethylamine	copc_name	n-nitrosodiethylamir	N/A
55-18-5	n-nitrosodiethylamine	mw	102	N/A
55-18-5	n-nitrosodiethylamine	t_m	257	N/A
55-18-5	n-nitrosodiethylamine	v_p	1.13E-03	N/A
55-18-5	n-nitrosodiethylamine	s	1.06E+05	N/A
55-18-5	n-nitrosodiethylamine	h	3.63E-06	N/A
55-18-5	n-nitrosodiethylamine	d_a	7.38E-02	N/A
55-18-5	n-nitrosodiethylamine	dw	9.13E-06	N/A
55-18-5	n-nitrosodiethylamine	k_ow	3	N/A
55-18-5	n-nitrosodiethylamine	k_oc	2.95	N/A
55-18-5	n-nitrosodiethylamine	kd_s	2.95E-02	N/A
55-18-5	n-nitrosodiethylamine	kd_sw	0.221	N/A
55-18-5	n-nitrosodiethylamine	kd_bs	0.118	N/A
55-18-5	n-nitrosodiethylamine	k_sg	0	N/A
55-18-5	n-nitrosodiethylamine	f_v	1	N/A
55-18-5	n-nitrosodiethylamine	rcf	7.00E-02	N/A
55-18-5	n-nitrosodiethylamine	br_root_veg	2.4	N/A
55-18-5	n-nitrosodiethylamine	br_leafy_veg	21	N/A
55-18-5	n-nitrosodiethylamine	br_forage	21	N/A
55-18-5	n-nitrosodiethylamine	bv_leafy_veg	4.96E-02	N/A
55-18-5	n-nitrosodiethylamine	bv_forage	4.96E-02	N/A
55-18-5	n-nitrosodiethylamine	ba_milk	3.39E-05	N/A

CAS No.	COPC Name	Symbol	Current	Original
55-18-5	n-nitrosodiethylamine	ba_beef	1.61E-04	N/A
55-18-5	n-nitrosodiethylamine	ba_pork	1.95E-04	N/A
55-18-5	n-nitrosodiethylamine	bcf_fish	1.20E-04	N/A
55-18-5	n-nitrosodiethylamine	baf_fish	0	N/A
55-18-5	n-nitrosodiethylamine	bsaf_fish	0	N/A
55-18-5	n-nitrosodiethylamine	rfd	ND	N/A
55-18-5	n-nitrosodiethylamine	oral_csf	795	N/A
55-18-5	n-nitrosodiethylamine	rfc	ND	N/A
55-18-5	n-nitrosodiethylamine	inhalation_urf	2.30E-01	N/A
55-18-5	n-nitrosodiethylamine	inhalation_csf	ND	N/A
55-18-5	n-nitrosodiethylamine	chemical_type	O	N/A
55-18-5	n-nitrosodiethylamine	chemical_subty	Ionizing	N/A
55-18-5	n-nitrosodiethylamine	br_grain	21	N/A
55-18-5	n-nitrosodiethylamine	ba_egg	6.78E-05	N/A
55-18-5	n-nitrosodiethylamine	ba_chicken	1.19E-04	N/A
55-18-5	n-nitrosodiethylamine	inhalation_rfd	ND	N/A
55-18-5	n-nitrosodiethylamine	tef	ND	N/A
56-23-5	Carbon tetrachloride	rfd	4.00E-03	0.0007
56-23-5	Carbon tetrachloride	oral_csf	7.00E-02	0.13
56-23-5	Carbon tetrachloride	rfc	1.00E-01	0.04
56-23-5	Carbon tetrachloride	inhalation_urf	6.00E-06	1.50E-05
56-55-3	Benzo(a)anthracene	oral_csf	3.9	0.73
56-55-3	Benzo(a)anthracene	inhalation_urf	5.80E-04	0.00011
562-27-6	2-methylheptane	cas_number	562-27-6	N/A
562-27-6	2-methylheptane	copc_name	2-methylheptane	N/A
562-27-6	2-methylheptane	mw	114	N/A
562-27-6	2-methylheptane	t_m	164	N/A
562-27-6	2-methylheptane	v_p	5.24E-02	N/A
562-27-6	2-methylheptane	s	12.4	N/A
562-27-6	2-methylheptane	h	0.768	N/A
562-27-6	2-methylheptane	d_a	0.2	N/A
562-27-6	2-methylheptane	dw	7.77E-06	N/A
562-27-6	2-methylheptane	k_ow	1.30E+04	N/A
562-27-6	2-methylheptane	k_oc	1.11E+04	N/A
562-27-6	2-methylheptane	kd_s	1.11E+02	N/A
562-27-6	2-methylheptane	kd_sw	831	N/A
562-27-6	2-methylheptane	kd_bs	443	N/A
562-27-6	2-methylheptane	k_sg	0	N/A
562-27-6	2-methylheptane	f_v	1	N/A
562-27-6	2-methylheptane	rcf	44	N/A
562-27-6	2-methylheptane	br_root_veg	0.4	N/A
562-27-6	2-methylheptane	br_leafy_veg	0.16	N/A
562-27-6	2-methylheptane	br_forage	0.16	N/A
562-27-6	2-methylheptane	bv_leafy_veg	1.75E-03	N/A
562-27-6	2-methylheptane	bv_forage	1.75E-03	N/A
562-27-6	2-methylheptane	ba_milk	5.87E-03	N/A

CAS No.	COPC Name	Symbol	Current	Original
562-27-6	2-methylheptane	ba_beef	2.79E-02	N/A
562-27-6	2-methylheptane	ba_pork	3.37E-02	N/A
562-27-6	2-methylheptane	bcf_fish	2.10E-02	N/A
562-27-6	2-methylheptane	baf_fish	0	N/A
562-27-6	2-methylheptane	bsaf_fish	0	N/A
562-27-6	2-methylheptane	rfd	4.00E-02	N/A
562-27-6	2-methylheptane	oral_csf	ND	N/A
562-27-6	2-methylheptane	rfc	0.2	N/A
562-27-6	2-methylheptane	inhalation_urf	ND	N/A
562-27-6	2-methylheptane	inhalation_csf	ND	N/A
562-27-6	2-methylheptane	chemical_type	O	N/A
562-27-6	2-methylheptane	chemical_subtype		N/A
562-27-6	2-methylheptane	br_grain	0.16	N/A
562-27-6	2-methylheptane	ba_egg	1.17E-02	N/A
562-27-6	2-methylheptane	ba_chicken	2.05E-02	N/A
562-27-6	2-methylheptane	inhalation_rfd	ND	N/A
562-27-6	2-methylheptane	tef	ND	N/A
565-59-3	2,3-dimethylpentane	cas_number	565-59-3	N/A
565-59-3	2,3-dimethylpentane	copc_name	2,3-dimethylpentane	N/A
565-59-3	2,3-dimethylpentane	mw	100	N/A
565-59-3	2,3-dimethylpentane	t_m	138	N/A
565-59-3	2,3-dimethylpentane	v_p	68.9	N/A
565-59-3	2,3-dimethylpentane	s	5.3	N/A
565-59-3	2,3-dimethylpentane	h	1.7	N/A
565-59-3	2,3-dimethylpentane	d_a	8.81E-02	N/A
565-59-3	2,3-dimethylpentane	dw	1.02E-05	N/A
565-59-3	2,3-dimethylpentane	k_ow	4.30E+03	N/A
565-59-3	2,3-dimethylpentane	k_oc	768	N/A
565-59-3	2,3-dimethylpentane	kd_s	7.68	N/A
565-59-3	2,3-dimethylpentane	kd_sw	57.6	N/A
565-59-3	2,3-dimethylpentane	kd_bs	30.7	N/A
565-59-3	2,3-dimethylpentane	k_sg	0	N/A
565-59-3	2,3-dimethylpentane	f_v	1	N/A
565-59-3	2,3-dimethylpentane	rcf	19	N/A
565-59-3	2,3-dimethylpentane	br_root_veg	2.5	N/A
565-59-3	2,3-dimethylpentane	br_leafy_veg	0.31	N/A
565-59-3	2,3-dimethylpentane	br_forage	0.31	N/A
565-59-3	2,3-dimethylpentane	bv_leafy_veg	2.39E-04	N/A
565-59-3	2,3-dimethylpentane	bv_forage	2.39E-04	N/A
565-59-3	2,3-dimethylpentane	ba_milk	4.20E-03	N/A
565-59-3	2,3-dimethylpentane	ba_beef	1.99E-02	N/A
565-59-3	2,3-dimethylpentane	ba_pork	2.41E-02	N/A
565-59-3	2,3-dimethylpentane	bcf_fish	1.50E-02	N/A
565-59-3	2,3-dimethylpentane	baf_fish	0	N/A
565-59-3	2,3-dimethylpentane	bsaf_fish	0	N/A
565-59-3	2,3-dimethylpentane	rfd	4.00E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
565-59-3	2,3-dimethylpentane	oral_csf	ND	N/A
565-59-3	2,3-dimethylpentane	rfc	0.2	N/A
565-59-3	2,3-dimethylpentane	inhalation_urf	ND	N/A
565-59-3	2,3-dimethylpentane	inhalation_csf	ND	N/A
565-59-3	2,3-dimethylpentane	chemical_type	O	N/A
565-59-3	2,3-dimethylpentane	chemical_subtype		N/A
565-59-3	2,3-dimethylpentane	br_grain	0.31	N/A
565-59-3	2,3-dimethylpentane	ba_egg	8.39E-03	N/A
565-59-3	2,3-dimethylpentane	ba_chicken	1.47E-02	N/A
565-59-3	2,3-dimethylpentane	inhalation_rfd	ND	N/A
565-59-3	2,3-dimethylpentane	tef	ND	N/A
565-75-3	2,3,4-trimethylpentane	cas_number	565-75-3	N/A
565-75-3	2,3,4-trimethylpentane	copc_name	2,3,4-trimethylpenta	N/A
565-75-3	2,3,4-trimethylpentane	mw	114	N/A
565-75-3	2,3,4-trimethylpentane	t_m	164	N/A
565-75-3	2,3,4-trimethylpentane	v_p	27.1	N/A
565-75-3	2,3,4-trimethylpentane	s	2.3	N/A
565-75-3	2,3,4-trimethylpentane	h	1.77	N/A
565-75-3	2,3,4-trimethylpentane	d_a	8.07E-02	N/A
565-75-3	2,3,4-trimethylpentane	dw	9.34E-06	N/A
565-75-3	2,3,4-trimethylpentane	k_ow	1.10E+04	N/A
565-75-3	2,3,4-trimethylpentane	k_oc	1.62E+03	N/A
565-75-3	2,3,4-trimethylpentane	kd_s	1.62E+01	N/A
565-75-3	2,3,4-trimethylpentane	kd_sw	121	N/A
565-75-3	2,3,4-trimethylpentane	kd_bs	64.6	N/A
565-75-3	2,3,4-trimethylpentane	k_sg	0	N/A
565-75-3	2,3,4-trimethylpentane	f_v	1	N/A
565-75-3	2,3,4-trimethylpentane	rcf	39	N/A
565-75-3	2,3,4-trimethylpentane	br_root_veg	2.4	N/A
565-75-3	2,3,4-trimethylpentane	br_leafy_veg	0.18	N/A
565-75-3	2,3,4-trimethylpentane	br_forage	0.18	N/A
565-75-3	2,3,4-trimethylpentane	bv_leafy_veg	6.36E-04	N/A
565-75-3	2,3,4-trimethylpentane	bv_forage	6.36E-04	N/A
565-75-3	2,3,4-trimethylpentane	ba_milk	5.62E-03	N/A
565-75-3	2,3,4-trimethylpentane	ba_beef	2.67E-02	N/A
565-75-3	2,3,4-trimethylpentane	ba_pork	3.23E-02	N/A
565-75-3	2,3,4-trimethylpentane	bcf_fish	2.00E-02	N/A
565-75-3	2,3,4-trimethylpentane	baf_fish	0	N/A
565-75-3	2,3,4-trimethylpentane	bsaf_fish	0	N/A
565-75-3	2,3,4-trimethylpentane	rfd	4.00E-02	N/A
565-75-3	2,3,4-trimethylpentane	oral_csf	ND	N/A
565-75-3	2,3,4-trimethylpentane	rfc	0.2	N/A
565-75-3	2,3,4-trimethylpentane	inhalation_urf	ND	N/A
565-75-3	2,3,4-trimethylpentane	inhalation_csf	ND	N/A
565-75-3	2,3,4-trimethylpentane	chemical_type	O	N/A
565-75-3	2,3,4-trimethylpentane	chemical_subtype		N/A

CAS No.	COPC Name	Symbol	Current	Original
565-75-3	2,3,4-trimethylpentane	br_grain	0.18	N/A
565-75-3	2,3,4-trimethylpentane	ba_egg	1.12E-02	N/A
565-75-3	2,3,4-trimethylpentane	ba_chicken	1.97E-02	N/A
565-75-3	2,3,4-trimethylpentane	inhalation_rfd	ND	N/A
565-75-3	2,3,4-trimethylpentane	tef	ND	N/A
5779-94-2	2,5-dimethylbenzaldehyde	cas_number	5779-94-2	N/A
5779-94-2	2,5-dimethylbenzaldehyde	copc_name	2,5-dimethylbenzald	N/A
5779-94-2	2,5-dimethylbenzaldehyde	mw	134	N/A
5779-94-2	2,5-dimethylbenzaldehyde	t_m	0	N/A
5779-94-2	2,5-dimethylbenzaldehyde	v_p	0.131	N/A
5779-94-2	2,5-dimethylbenzaldehyde	s	360	N/A
5779-94-2	2,5-dimethylbenzaldehyde	h	1.64E-05	N/A
5779-94-2	2,5-dimethylbenzaldehyde	d_a	7.24E-02	N/A
5779-94-2	2,5-dimethylbenzaldehyde	dw	8.39E-06	N/A
5779-94-2	2,5-dimethylbenzaldehyde	k_ow	630	N/A
5779-94-2	2,5-dimethylbenzaldehyde	k_oc	565	N/A
5779-94-2	2,5-dimethylbenzaldehyde	kd_s	5.65	N/A
5779-94-2	2,5-dimethylbenzaldehyde	kd_sw	42.4	N/A
5779-94-2	2,5-dimethylbenzaldehyde	kd_bs	22.6	N/A
5779-94-2	2,5-dimethylbenzaldehyde	k_sg	0	N/A
5779-94-2	2,5-dimethylbenzaldehyde	f_v	1	N/A
5779-94-2	2,5-dimethylbenzaldehyde	rcf	4.3	N/A
5779-94-2	2,5-dimethylbenzaldehyde	br_root_veg	0.76	N/A
5779-94-2	2,5-dimethylbenzaldehyde	br_leafy_veg	0.93	N/A
5779-94-2	2,5-dimethylbenzaldehyde	br_forage	0.93	N/A
5779-94-2	2,5-dimethylbenzaldehyde	bv_leafy_veg	3.27	N/A
5779-94-2	2,5-dimethylbenzaldehyde	bv_forage	3.27	N/A
5779-94-2	2,5-dimethylbenzaldehyde	ba_milk	1.83E-03	N/A
5779-94-2	2,5-dimethylbenzaldehyde	ba_beef	8.67E-03	N/A
5779-94-2	2,5-dimethylbenzaldehyde	ba_pork	1.05E-02	N/A
5779-94-2	2,5-dimethylbenzaldehyde	bcf_fish	6.40E-03	N/A
5779-94-2	2,5-dimethylbenzaldehyde	baf_fish	0	N/A
5779-94-2	2,5-dimethylbenzaldehyde	bsaf_fish	0	N/A
5779-94-2	2,5-dimethylbenzaldehyde	rfd	0.1	N/A
5779-94-2	2,5-dimethylbenzaldehyde	oral_csf	ND	N/A
5779-94-2	2,5-dimethylbenzaldehyde	rfc	ND	N/A
5779-94-2	2,5-dimethylbenzaldehyde	inhalation_urf	ND	N/A
5779-94-2	2,5-dimethylbenzaldehyde	inhalation_csf	ND	N/A
5779-94-2	2,5-dimethylbenzaldehyde	chemical_type	O	N/A
5779-94-2	2,5-dimethylbenzaldehyde	chemical_subtype		N/A
5779-94-2	2,5-dimethylbenzaldehyde	br_grain	0.93	N/A
5779-94-2	2,5-dimethylbenzaldehyde	ba_egg	3.65E-03	N/A
5779-94-2	2,5-dimethylbenzaldehyde	ba_chicken	6.39E-03	N/A
5779-94-2	2,5-dimethylbenzaldehyde	inhalation_rfd	ND	N/A
5779-94-2	2,5-dimethylbenzaldehyde	tef	ND	N/A
589-34-4	3-methylhexane	cas_number	589-34-4	N/A

CAS No.	COPC Name	Symbol	Current	Original
589-34-4	3-methylhexane	copc_name	3-methylhexane	N/A
589-34-4	3-methylhexane	mw	100	N/A
589-34-4	3-methylhexane	t_m	154	N/A
589-34-4	3-methylhexane	v_p	0.145	N/A
589-34-4	3-methylhexane	s	12.4	N/A
589-34-4	3-methylhexane	h	0.768	N/A
589-34-4	3-methylhexane	d_a	0.2	N/A
589-34-4	3-methylhexane	dw	7.77E-06	N/A
589-34-4	3-methylhexane	k_ow	1.30E+04	N/A
589-34-4	3-methylhexane	k_oc	1.11E+04	N/A
589-34-4	3-methylhexane	kd_s	1.11E+02	N/A
589-34-4	3-methylhexane	kd_sw	8.31E+02	N/A
589-34-4	3-methylhexane	kd_bs	443	N/A
589-34-4	3-methylhexane	k_sg	0	N/A
589-34-4	3-methylhexane	f_v	1	N/A
589-34-4	3-methylhexane	rcf	44	N/A
589-34-4	3-methylhexane	br_root_veg	0.4	N/A
589-34-4	3-methylhexane	br_leafy_veg	0.16	N/A
589-34-4	3-methylhexane	br_forage	0.16	N/A
589-34-4	3-methylhexane	bv_leafy_veg	1.75E-03	N/A
589-34-4	3-methylhexane	bv_forage	1.75E-03	N/A
589-34-4	3-methylhexane	ba_milk	5.87E-03	N/A
589-34-4	3-methylhexane	ba_beef	2.79E-02	N/A
589-34-4	3-methylhexane	ba_pork	3.37E-02	N/A
589-34-4	3-methylhexane	bcf_fish	2.10E-02	N/A
589-34-4	3-methylhexane	baf_fish	0	N/A
589-34-4	3-methylhexane	bsaf_fish	0	N/A
589-34-4	3-methylhexane	rfd	4.00E-02	N/A
589-34-4	3-methylhexane	oral_csf	ND	N/A
589-34-4	3-methylhexane	rfc	0.2	N/A
589-34-4	3-methylhexane	inhalation_urf	ND	N/A
589-34-4	3-methylhexane	inhalation_csf	ND	N/A
589-34-4	3-methylhexane	chemical_type	O	N/A
589-34-4	3-methylhexane	chemical_subtype		N/A
589-34-4	3-methylhexane	br_grain	0.16	N/A
589-34-4	3-methylhexane	ba_egg	1.17E-02	N/A
589-34-4	3-methylhexane	ba_chicken	2.05E-02	N/A
589-34-4	3-methylhexane	inhalation_rfd	ND	N/A
589-34-4	3-methylhexane	tef	ND	N/A
589-81-1	3-methylheptane	cas_number	589-81-1	N/A
589-81-1	3-methylheptane	copc_name	3-methylheptane	N/A
589-81-1	3-methylheptane	mw	114	N/A
589-81-1	3-methylheptane	t_m	173	N/A
589-81-1	3-methylheptane	v_p	19.6	N/A
589-81-1	3-methylheptane	s	0.79	N/A
589-81-1	3-methylheptane	h	3.72	N/A

CAS No.	COPC Name	Symbol	Current	Original
589-81-1	3-methylheptane	d_a	8.07E-02	N/A
589-81-1	3-methylheptane	dw	9.34E-06	N/A
589-81-1	3-methylheptane	k_ow	1.60E+04	N/A
589-81-1	3-methylheptane	k_oc	2.17E+03	N/A
589-81-1	3-methylheptane	kd_s	2.17E+01	N/A
589-81-1	3-methylheptane	kd_sw	163	N/A
589-81-1	3-methylheptane	kd_bs	86.9	N/A
589-81-1	3-methylheptane	k_sg	0	N/A
589-81-1	3-methylheptane	f_v	1	N/A
589-81-1	3-methylheptane	rcf	52	N/A
589-81-1	3-methylheptane	br_root_veg	2.4	N/A
589-81-1	3-methylheptane	br_leafy_veg	0.14	N/A
589-81-1	3-methylheptane	br_forage	0.14	N/A
589-81-1	3-methylheptane	bv_leafy_veg	4.51E-04	N/A
589-81-1	3-methylheptane	bv_forage	4.51E-04	N/A
589-81-1	3-methylheptane	ba_milk	6.18E-03	N/A
589-81-1	3-methylheptane	ba_beef	2.93E-02	N/A
589-81-1	3-methylheptane	ba_pork	3.55E-02	N/A
589-81-1	3-methylheptane	bcf_fish	2.20E-02	N/A
589-81-1	3-methylheptane	baf_fish	0	N/A
589-81-1	3-methylheptane	bsaf_fish	0	N/A
589-81-1	3-methylheptane	rfd	4.00E-02	N/A
589-81-1	3-methylheptane	oral_csf	ND	N/A
589-81-1	3-methylheptane	rfc	0.2	N/A
589-81-1	3-methylheptane	inhalation_urf	ND	N/A
589-81-1	3-methylheptane	inhalation_csf	ND	N/A
589-81-1	3-methylheptane	chemical_type	O	N/A
589-81-1	3-methylheptane	chemical_subtype		N/A
589-81-1	3-methylheptane	br_grain	0.14	N/A
589-81-1	3-methylheptane	ba_egg	1.24E-02	N/A
589-81-1	3-methylheptane	ba_chicken	2.16E-02	N/A
589-81-1	3-methylheptane	inhalation_rfd	ND	N/A
589-81-1	3-methylheptane	tef	ND	N/A
59-89-2	n-nitrosomorpholine	cas_number	59-89-2	N/A
59-89-2	n-nitrosomorpholine	copc_name	n-nitrosomorpholine	N/A
59-89-2	n-nitrosomorpholine	mw	116	N/A
59-89-2	n-nitrosomorpholine	t_m	302	N/A
59-89-2	n-nitrosomorpholine	v_p	4.74E-05	N/A
59-89-2	n-nitrosomorpholine	s	1.00E+06	N/A
59-89-2	n-nitrosomorpholine	h	2.45E-08	N/A
59-89-2	n-nitrosomorpholine	d_a	7.98E-02	N/A
59-89-2	n-nitrosomorpholine	dw	9.24E-06	N/A
59-89-2	n-nitrosomorpholine	k_ow	3	N/A
59-89-2	n-nitrosomorpholine	k_oc	2.95	N/A
59-89-2	n-nitrosomorpholine	kd_s	2.95E-02	N/A
59-89-2	n-nitrosomorpholine	kd_sw	2.21E-01	N/A

CAS No.	COPC Name	Symbol	Current	Original
59-89-2	n-nitrosomorpholine	kd_bs	1.18E-01	N/A
59-89-2	n-nitrosomorpholine	k_sg	0	N/A
59-89-2	n-nitrosomorpholine	f_v	1	N/A
59-89-2	n-nitrosomorpholine	rcf	7.00E-02	N/A
59-89-2	n-nitrosomorpholine	br_root_veg	2.4	N/A
59-89-2	n-nitrosomorpholine	br_leafy_veg	21	N/A
59-89-2	n-nitrosomorpholine	br_forage	21	N/A
59-89-2	n-nitrosomorpholine	bv_leafy_veg	7.35	N/A
59-89-2	n-nitrosomorpholine	bv_forage	7.35	N/A
59-89-2	n-nitrosomorpholine	ba_milk	3.39E-05	N/A
59-89-2	n-nitrosomorpholine	ba_beef	1.61E-04	N/A
59-89-2	n-nitrosomorpholine	ba_pork	1.95E-04	N/A
59-89-2	n-nitrosomorpholine	bcf_fish	1.20E-04	N/A
59-89-2	n-nitrosomorpholine	baf_fish	0	N/A
59-89-2	n-nitrosomorpholine	bsaf_fish	0	N/A
59-89-2	n-nitrosomorpholine	rfd	ND	N/A
59-89-2	n-nitrosomorpholine	oral_csf	6.7	N/A
59-89-2	n-nitrosomorpholine	rfc	ND	N/A
59-89-2	n-nitrosomorpholine	inhalation_urf	1.93E-03	N/A
59-89-2	n-nitrosomorpholine	inhalation_csf	ND	N/A
59-89-2	n-nitrosomorpholine	chemical_type	O	N/A
59-89-2	n-nitrosomorpholine	chemical_subtype		N/A
59-89-2	n-nitrosomorpholine	br_grain	21	N/A
59-89-2	n-nitrosomorpholine	ba_egg	6.78E-05	N/A
59-89-2	n-nitrosomorpholine	ba_chicken	1.19E-04	N/A
59-89-2	n-nitrosomorpholine	inhalation_rfd	ND	N/A
59-89-2	n-nitrosomorpholine	tef	ND	N/A
590-18-1	cis-2-butene	cas_number	590-18-1	N/A
590-18-1	cis-2-butene	copc_name	cis-2-butene	N/A
590-18-1	cis-2-butene	mw	56.1	N/A
590-18-1	cis-2-butene	t_m	134	N/A
590-18-1	cis-2-butene	v_p	11.4	N/A
590-18-1	cis-2-butene	s	200	N/A
590-18-1	cis-2-butene	h	0.196	N/A
590-18-1	cis-2-butene	d_a	0.13	N/A
590-18-1	cis-2-butene	dw	1.50E-05	N/A
590-18-1	cis-2-butene	k_ow	58.9	N/A
590-18-1	cis-2-butene	k_oc	55	N/A
590-18-1	cis-2-butene	kd_s	0.55	N/A
590-18-1	cis-2-butene	kd_sw	4.12	N/A
590-18-1	cis-2-butene	kd_bs	2.2	N/A
590-18-1	cis-2-butene	k_sg	0	N/A
590-18-1	cis-2-butene	f_v	1	N/A
590-18-1	cis-2-butene	rcf	0.7	N/A
590-18-1	cis-2-butene	br_root_veg	1.3	N/A
590-18-1	cis-2-butene	br_leafy_veg	3.7	N/A

CAS No.	COPC Name	Symbol	Current	Original
590-18-1	cis-2-butene	br_forage	3.7	N/A
590-18-1	cis-2-butene	bv_leafy_veg	2.19E-05	N/A
590-18-1	cis-2-butene	bv_forage	2.19E-05	N/A
590-18-1	cis-2-butene	ba_milk	4.22E-04	N/A
590-18-1	cis-2-butene	ba_beef	2.01E-03	N/A
590-18-1	cis-2-butene	ba_pork	2.43E-03	N/A
590-18-1	cis-2-butene	bcf_fish	1.50E-03	N/A
590-18-1	cis-2-butene	baf_fish	0	N/A
590-18-1	cis-2-butene	bsaf_fish	0	N/A
590-18-1	cis-2-butene	rfd	ND	N/A
590-18-1	cis-2-butene	oral_csf	ND	N/A
590-18-1	cis-2-butene	rfc	3	N/A
590-18-1	cis-2-butene	inhalation_urf	ND	N/A
590-18-1	cis-2-butene	inhalation_csf	ND	N/A
590-18-1	cis-2-butene	chemical_type	O	N/A
590-18-1	cis-2-butene	chemical_subtype		N/A
590-18-1	cis-2-butene	br_grain	3.7	N/A
590-18-1	cis-2-butene	ba_egg	8.45E-04	N/A
590-18-1	cis-2-butene	ba_chicken	1.48E-03	N/A
590-18-1	cis-2-butene	inhalation_rfd	ND	N/A
590-18-1	cis-2-butene	tef	ND	N/A
591-76-4	2-methylhexane	cas_number	591-76-4	N/A
591-76-4	2-methylhexane	copc_name	2-methylhexane	N/A
591-76-4	2-methylhexane	mw	100	N/A
591-76-4	2-methylhexane	t_m	153	N/A
591-76-4	2-methylhexane	v_p	0.197	N/A
591-76-4	2-methylhexane	s	12.4	N/A
591-76-4	2-methylhexane	h	0.768	N/A
591-76-4	2-methylhexane	d_a	8.81E-02	N/A
591-76-4	2-methylhexane	dw	1.02E-05	N/A
591-76-4	2-methylhexane	k_ow	1.30E+04	N/A
591-76-4	2-methylhexane	k_oc	1.11E+04	N/A
591-76-4	2-methylhexane	kd_s	1.11E+02	N/A
591-76-4	2-methylhexane	kd_sw	8.31E+02	N/A
591-76-4	2-methylhexane	kd_bs	4.43E+02	N/A
591-76-4	2-methylhexane	k_sg	0	N/A
591-76-4	2-methylhexane	f_v	1	N/A
591-76-4	2-methylhexane	rcf	44	N/A
591-76-4	2-methylhexane	br_root_veg	0.4	N/A
591-76-4	2-methylhexane	br_leafy_veg	0.16	N/A
591-76-4	2-methylhexane	br_forage	0.16	N/A
591-76-4	2-methylhexane	bv_leafy_veg	1.75E-03	N/A
591-76-4	2-methylhexane	bv_forage	1.75E-03	N/A
591-76-4	2-methylhexane	ba_milk	5.87E-03	N/A
591-76-4	2-methylhexane	ba_beef	2.79E-02	N/A
591-76-4	2-methylhexane	ba_pork	3.37E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
591-76-4	2-methylhexane	bcf_fish	2.10E-02	N/A
591-76-4	2-methylhexane	baf_fish	0	N/A
591-76-4	2-methylhexane	bsaf_fish	0	N/A
591-76-4	2-methylhexane	rfd	6.00E-02	N/A
591-76-4	2-methylhexane	oral_csf	ND	N/A
591-76-4	2-methylhexane	rfc	0.7	N/A
591-76-4	2-methylhexane	inhalation_urf	ND	N/A
591-76-4	2-methylhexane	inhalation_csf	ND	N/A
591-76-4	2-methylhexane	chemical_type	O	N/A
591-76-4	2-methylhexane	chemical_subtype		N/A
591-76-4	2-methylhexane	br_grain	0.16	N/A
591-76-4	2-methylhexane	ba_egg	1.17E-02	N/A
591-76-4	2-methylhexane	ba_chicken	2.05E-02	N/A
591-76-4	2-methylhexane	inhalation_rfd	ND	N/A
591-76-4	2-methylhexane	tef	ND	N/A
591-78-6	2-hexanone	cas_number	591-78-6	N/A
591-78-6	2-hexanone	copc_name	2-hexanone	N/A
591-78-6	2-hexanone	mw	100	N/A
591-78-6	2-hexanone	t_m	217	N/A
591-78-6	2-hexanone	v_p	1.53E-02	N/A
591-78-6	2-hexanone	s	17200	N/A
591-78-6	2-hexanone	h	9.32E-05	N/A
591-78-6	2-hexanone	d_a	7.04E-02	N/A
591-78-6	2-hexanone	dw	8.44E-06	N/A
591-78-6	2-hexanone	k_ow	24	N/A
591-78-6	2-hexanone	k_oc	12.6	N/A
591-78-6	2-hexanone	kd_s	0.126	N/A
591-78-6	2-hexanone	kd_sw	0.946	N/A
591-78-6	2-hexanone	kd_bs	0.505	N/A
591-78-6	2-hexanone	k_sg	0	N/A
591-78-6	2-hexanone	f_v	1	N/A
591-78-6	2-hexanone	rcf	0.35	N/A
591-78-6	2-hexanone	br_root_veg	2.8	N/A
591-78-6	2-hexanone	br_leafy_veg	6.2	N/A
591-78-6	2-hexanone	br_forage	6.2	N/A
591-78-6	2-hexanone	bv_leafy_veg	1.77E-02	N/A
591-78-6	2-hexanone	bv_forage	1.77E-02	N/A
591-78-6	2-hexanone	ba_milk	2.14E-04	N/A
591-78-6	2-hexanone	ba_beef	1.02E-03	N/A
591-78-6	2-hexanone	ba_pork	1.23E-03	N/A
591-78-6	2-hexanone	bcf_fish	7.50E-04	N/A
591-78-6	2-hexanone	baf_fish	0	N/A
591-78-6	2-hexanone	bsaf_fish	0	N/A
591-78-6	2-hexanone	rfd	5.00E-03	N/A
591-78-6	2-hexanone	oral_csf	ND	N/A
591-78-6	2-hexanone	rfc	3.00E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
591-78-6	2-hexanone	inhalation_urf	ND	N/A
591-78-6	2-hexanone	inhalation_csf	ND	N/A
591-78-6	2-hexanone	chemical_type	O	N/A
591-78-6	2-hexanone	chemical_subtype		N/A
591-78-6	2-hexanone	br_grain	6.2	N/A
591-78-6	2-hexanone	ba_egg	4.28E-04	N/A
591-78-6	2-hexanone	ba_chicken	7.49E-04	N/A
591-78-6	2-hexanone	inhalation_rfd	ND	N/A
591-78-6	2-hexanone	tef	ND	N/A
60-11-7	p-dimethylaminoazobenzene	cas_number	60-11-7	N/A
60-11-7	p-dimethylaminoazobenzene	copc_name	-dimethylaminoazob	N/A
60-11-7	p-dimethylaminoazobenzene	mw	225	N/A
60-11-7	p-dimethylaminoazobenzene	t_m	384	N/A
60-11-7	p-dimethylaminoazobenzene	v_p	9.21E-11	N/A
60-11-7	p-dimethylaminoazobenzene	s	0.23	N/A
60-11-7	p-dimethylaminoazobenzene	h	2.34E-07	N/A
60-11-7	p-dimethylaminoazobenzene	d_a	5.13E-02	N/A
60-11-7	p-dimethylaminoazobenzene	dw	5.94E-06	N/A
60-11-7	p-dimethylaminoazobenzene	k_ow	3.80E+04	N/A
60-11-7	p-dimethylaminoazobenzene	k_oc	3.18E+04	N/A
60-11-7	p-dimethylaminoazobenzene	kd_s	3.18E+02	N/A
60-11-7	p-dimethylaminoazobenzene	kd_sw	2.38E+03	N/A
60-11-7	p-dimethylaminoazobenzene	kd_bs	1.27E+03	N/A
60-11-7	p-dimethylaminoazobenzene	k_sg	0	N/A
60-11-7	p-dimethylaminoazobenzene	f_v	4.69E-02	N/A
60-11-7	p-dimethylaminoazobenzene	rcf	100	N/A
60-11-7	p-dimethylaminoazobenzene	br_root_veg	0.32	N/A
60-11-7	p-dimethylaminoazobenzene	br_leafy_veg	8.70E-02	N/A
60-11-7	p-dimethylaminoazobenzene	br_forage	8.70E-02	N/A
60-11-7	p-dimethylaminoazobenzene	bv_leafy_veg	1.80E+04	N/A
60-11-7	p-dimethylaminoazobenzene	bv_forage	1.80E+04	N/A
60-11-7	p-dimethylaminoazobenzene	ba_milk	7.34E-03	N/A
60-11-7	p-dimethylaminoazobenzene	ba_beef	3.49E-02	N/A
60-11-7	p-dimethylaminoazobenzene	ba_pork	4.22E-02	N/A
60-11-7	p-dimethylaminoazobenzene	bcf_fish	2.60E-02	N/A
60-11-7	p-dimethylaminoazobenzene	baf_fish	0	N/A
60-11-7	p-dimethylaminoazobenzene	bsaf_fish	0	N/A
60-11-7	p-dimethylaminoazobenzene	rfd	ND	N/A
60-11-7	p-dimethylaminoazobenzene	oral_csf	4.6	N/A
60-11-7	p-dimethylaminoazobenzene	rfc	ND	N/A
60-11-7	p-dimethylaminoazobenzene	inhalation_urf	1.30E-03	N/A
60-11-7	p-dimethylaminoazobenzene	inhalation_csf	ND	N/A
60-11-7	p-dimethylaminoazobenzene	chemical_type	O	N/A
60-11-7	p-dimethylaminoazobenzene	chemical_subtype		N/A
60-11-7	p-dimethylaminoazobenzene	br_grain	8.70E-02	N/A
60-11-7	p-dimethylaminoazobenzene	ba_egg	1.47E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
60-11-7	p-dimethylaminoazobenzene	ba_chicken	2.57E-02	N/A
60-11-7	p-dimethylaminoazobenzene	inhalation_rfd	ND	N/A
60-11-7	p-dimethylaminoazobenzene	tef	ND	N/A
60-29-7	ethylether	cas_number	60-29-7	N/A
60-29-7	ethylether	copc_name	ethylether	N/A
60-29-7	ethylether	mw	74.1	N/A
60-29-7	ethylether	t_m	157	N/A
60-29-7	ethylether	v_p	0.707	N/A
60-29-7	ethylether	s	6.04E+04	N/A
60-29-7	ethylether	h	1.23E-03	N/A
60-29-7	ethylether	d_a	8.52E-02	N/A
60-29-7	ethylether	dw	9.36E-06	N/A
60-29-7	ethylether	k_ow	6.76	N/A
60-29-7	ethylether	k_oc	4.63	N/A
60-29-7	ethylether	kd_s	4.63E-02	N/A
60-29-7	ethylether	kd_sw	0.347	N/A
60-29-7	ethylether	kd_bs	0.185	N/A
60-29-7	ethylether	k_sg	0	N/A
60-29-7	ethylether	f_v	1	N/A
60-29-7	ethylether	rcf	0.13	N/A
60-29-7	ethylether	br_root_veg	2.8	N/A
60-29-7	ethylether	br_leafy_veg	13	N/A
60-29-7	ethylether	br_forage	13	N/A
60-29-7	ethylether	bv_leafy_veg	3.48E-04	N/A
60-29-7	ethylether	bv_forage	3.48E-04	N/A
60-29-7	ethylether	ba_milk	7.28E-05	N/A
60-29-7	ethylether	ba_beef	3.46E-04	N/A
60-29-7	ethylether	ba_pork	4.18E-04	N/A
60-29-7	ethylether	bcf_fish	2.50E-04	N/A
60-29-7	ethylether	baf_fish	0	N/A
60-29-7	ethylether	bsaf_fish	0	N/A
60-29-7	ethylether	rfd	0.2	N/A
60-29-7	ethylether	oral_csf	ND	N/A
60-29-7	ethylether	rfc	ND	N/A
60-29-7	ethylether	inhalation_urf	ND	N/A
60-29-7	ethylether	inhalation_csf	ND	N/A
60-29-7	ethylether	chemical_type	O	N/A
60-29-7	ethylether	chemical_subtype		N/A
60-29-7	ethylether	br_grain	13	N/A
60-29-7	ethylether	ba_egg	1.46E-04	N/A
60-29-7	ethylether	ba_chicken	2.55E-04	N/A
60-29-7	ethylether	inhalation_rfd	ND	N/A
60-29-7	ethylether	tef	ND	N/A
606-20-2	Dinitrotoluene, 2,6-	rfd	3.00E-04	0
606-20-2	Dinitrotoluene, 2,6-	oral_csf	1.5	0.68
611-14-3	2-ethyltoluene	cas_number	611-14-3	N/A

CAS No.	COPC Name	Symbol	Current	Original
611-14-3	2-ethyltoluene	copc_name	2-ethyltoluene	N/A
611-14-3	2-ethyltoluene	mw	120	N/A
611-14-3	2-ethyltoluene	t_m	256	N/A
611-14-3	2-ethyltoluene	v_p	3.26E-03	N/A
611-14-3	2-ethyltoluene	s	75	N/A
611-14-3	2-ethyltoluene	h	5.22E-03	N/A
611-14-3	2-ethyltoluene	d_a	5.83E-02	N/A
611-14-3	2-ethyltoluene	dw	9.03E-06	N/A
611-14-3	2-ethyltoluene	k_ow	4.30E+03	N/A
611-14-3	2-ethyltoluene	k_oc	768	N/A
611-14-3	2-ethyltoluene	kd_s	7.68	N/A
611-14-3	2-ethyltoluene	kd_sw	57.6	N/A
611-14-3	2-ethyltoluene	kd_bs	30.7	N/A
611-14-3	2-ethyltoluene	k_sg	0	N/A
611-14-3	2-ethyltoluene	f_v	1	N/A
611-14-3	2-ethyltoluene	rcf	19	N/A
611-14-3	2-ethyltoluene	br_root_veg	2.5	N/A
611-14-3	2-ethyltoluene	br_leafy_veg	0.31	N/A
611-14-3	2-ethyltoluene	br_forage	0.31	N/A
611-14-3	2-ethyltoluene	bv_leafy_veg	7.93E-02	N/A
611-14-3	2-ethyltoluene	bv_forage	7.93E-02	N/A
611-14-3	2-ethyltoluene	ba_milk	4.20E-03	N/A
611-14-3	2-ethyltoluene	ba_beef	1.99E-02	N/A
611-14-3	2-ethyltoluene	ba_pork	2.41E-02	N/A
611-14-3	2-ethyltoluene	bcf_fish	1.50E-02	N/A
611-14-3	2-ethyltoluene	baf_fish	0	N/A
611-14-3	2-ethyltoluene	bsaf_fish	0	N/A
611-14-3	2-ethyltoluene	rfd	0.1	N/A
611-14-3	2-ethyltoluene	oral_csf	0.011	N/A
611-14-3	2-ethyltoluene	rfc	1	N/A
611-14-3	2-ethyltoluene	inhalation_urf	2.50E-06	N/A
611-14-3	2-ethyltoluene	inhalation_csf	ND	N/A
611-14-3	2-ethyltoluene	chemical_type	O	N/A
611-14-3	2-ethyltoluene	chemical_subtype		N/A
611-14-3	2-ethyltoluene	br_grain	0.31	N/A
611-14-3	2-ethyltoluene	ba_egg	8.39E-03	N/A
611-14-3	2-ethyltoluene	ba_chicken	1.47E-02	N/A
611-14-3	2-ethyltoluene	inhalation_rfd	ND	N/A
611-14-3	2-ethyltoluene	tef	ND	N/A
62-53-3	Aniline	rfd	7.00E-03	0
62-75-9	n-nitrosodimethylamine	cas_number	62-75-9	N/A
62-75-9	n-nitrosodimethylamine	copc_name	n-nitrosodimethylam	N/A
62-75-9	n-nitrosodimethylamine	mw	74.1	N/A
62-75-9	n-nitrosodimethylamine	t_m	234	N/A
62-75-9	n-nitrosodimethylamine	v_p	3.55E-03	N/A
62-75-9	n-nitrosodimethylamine	s	1.00E+06	N/A

CAS No.	COPC Name	Symbol	Current	Original
62-75-9	n-nitrosodimethylamine	h	1.82E-06	N/A
62-75-9	n-nitrosodimethylamine	d_a	9.88E-02	N/A
62-75-9	n-nitrosodimethylamine	dw	1.15E-05	N/A
62-75-9	n-nitrosodimethylamine	k_ow	0.3	N/A
62-75-9	n-nitrosodimethylamine	k_oc	0.306	N/A
62-75-9	n-nitrosodimethylamine	kd_s	3.06E-03	N/A
62-75-9	n-nitrosodimethylamine	kd_sw	2.30E-02	N/A
62-75-9	n-nitrosodimethylamine	kd_bs	1.23E-02	N/A
62-75-9	n-nitrosodimethylamine	k_sg	0	N/A
62-75-9	n-nitrosodimethylamine	f_v	1	N/A
62-75-9	n-nitrosodimethylamine	rcf	0.83	N/A
62-75-9	n-nitrosodimethylamine	br_root_veg	270	N/A
62-75-9	n-nitrosodimethylamine	br_leafy_veg	78	N/A
62-75-9	n-nitrosodimethylamine	br_forage	78	N/A
62-75-9	n-nitrosodimethylamine	bv_leafy_veg	8.52E-03	N/A
62-75-9	n-nitrosodimethylamine	bv_forage	8.52E-03	N/A
62-75-9	n-nitrosodimethylamine	ba_milk	2.85E-06	N/A
62-75-9	n-nitrosodimethylamine	ba_beef	1.36E-05	N/A
62-75-9	n-nitrosodimethylamine	ba_pork	1.64E-05	N/A
62-75-9	n-nitrosodimethylamine	bcf_fish	1.00E-05	N/A
62-75-9	n-nitrosodimethylamine	baf_fish	0	N/A
62-75-9	n-nitrosodimethylamine	bsaf_fish	0	N/A
62-75-9	n-nitrosodimethylamine	rfd	8.00E-06	N/A
62-75-9	n-nitrosodimethylamine	oral_csf	270	N/A
62-75-9	n-nitrosodimethylamine	rfc	4.00E-05	N/A
62-75-9	n-nitrosodimethylamine	inhalation_urf	7.40E-02	N/A
62-75-9	n-nitrosodimethylamine	inhalation_csf	ND	N/A
62-75-9	n-nitrosodimethylamine	chemical_type	O	N/A
62-75-9	n-nitrosodimethylamine	chemical_subty	Ionizing	N/A
62-75-9	n-nitrosodimethylamine	br_grain	78	N/A
62-75-9	n-nitrosodimethylamine	ba_egg	5.71E-06	N/A
62-75-9	n-nitrosodimethylamine	ba_chicken	9.99E-06	N/A
62-75-9	n-nitrosodimethylamine	inhalation_rfd	ND	N/A
62-75-9	n-nitrosodimethylamine	tef	ND	N/A
620-14-4	3-ethyltoluene	cas_number	620-14-4	N/A
620-14-4	3-ethyltoluene	copc_name	3-ethyltoluene	N/A
620-14-4	3-ethyltoluene	mw	120	N/A
620-14-4	3-ethyltoluene	t_m	178	N/A
620-14-4	3-ethyltoluene	v_p	3.86E-03	N/A
620-14-4	3-ethyltoluene	s	0	N/A
620-14-4	3-ethyltoluene	h	0	N/A
620-14-4	3-ethyltoluene	d_a	5.65E-02	N/A
620-14-4	3-ethyltoluene	dw	9.03E-06	N/A
620-14-4	3-ethyltoluene	k_ow	4.30E+03	N/A
620-14-4	3-ethyltoluene	k_oc	7.68E+02	N/A
620-14-4	3-ethyltoluene	kd_s	7.68	N/A

CAS No.	COPC Name	Symbol	Current	Original
620-14-4	3-ethyltoluene	kd_sw	57.6	N/A
620-14-4	3-ethyltoluene	kd_bs	30.7	N/A
620-14-4	3-ethyltoluene	k_sg	0	N/A
620-14-4	3-ethyltoluene	f_v	1	N/A
620-14-4	3-ethyltoluene	rcf	19	N/A
620-14-4	3-ethyltoluene	br_root_veg	2.5	N/A
620-14-4	3-ethyltoluene	br_leafy_veg	0.31	N/A
620-14-4	3-ethyltoluene	br_forage	0.31	N/A
620-14-4	3-ethyltoluene	bv_leafy_veg	4.75E-02	N/A
620-14-4	3-ethyltoluene	bv_forage	4.75E-02	N/A
620-14-4	3-ethyltoluene	ba_milk	4.20E-03	N/A
620-14-4	3-ethyltoluene	ba_beef	1.99E-02	N/A
620-14-4	3-ethyltoluene	ba_pork	2.41E-02	N/A
620-14-4	3-ethyltoluene	bcf_fish	1.50E-02	N/A
620-14-4	3-ethyltoluene	baf_fish	0	N/A
620-14-4	3-ethyltoluene	bsaf_fish	0	N/A
620-14-4	3-ethyltoluene	rfd	0.1	N/A
620-14-4	3-ethyltoluene	oral_csf	0.011	N/A
620-14-4	3-ethyltoluene	rfc	1	N/A
620-14-4	3-ethyltoluene	inhalation_urf	2.50E-06	N/A
620-14-4	3-ethyltoluene	inhalation_csf	ND	N/A
620-14-4	3-ethyltoluene	chemical_type	O	N/A
620-14-4	3-ethyltoluene	chemical_subtype		N/A
620-14-4	3-ethyltoluene	br_grain	0.31	N/A
620-14-4	3-ethyltoluene	ba_egg	8.39E-03	N/A
620-14-4	3-ethyltoluene	ba_chicken	1.47E-02	N/A
620-14-4	3-ethyltoluene	inhalation_rfd	ND	N/A
620-14-4	3-ethyltoluene	tef	ND	N/A
622-96-8	4-ethyltoluene	cas_number	622-96-8	N/A
622-96-8	4-ethyltoluene	copc_name	4-ethyltoluene	N/A
622-96-8	4-ethyltoluene	mw	120	N/A
622-96-8	4-ethyltoluene	t_m	211	N/A
622-96-8	4-ethyltoluene	v_p	3.90E-03	N/A
622-96-8	4-ethyltoluene	s	95	N/A
622-96-8	4-ethyltoluene	h	4.90E-03	N/A
622-96-8	4-ethyltoluene	d_a	0.0649	N/A
622-96-8	4-ethyltoluene	dw	7.80E-06	N/A
622-96-8	4-ethyltoluene	k_ow	4.30E+03	N/A
622-96-8	4-ethyltoluene	k_oc	768	N/A
622-96-8	4-ethyltoluene	kd_s	7.68	N/A
622-96-8	4-ethyltoluene	kd_sw	57.6	N/A
622-96-8	4-ethyltoluene	kd_bs	30.7	N/A
622-96-8	4-ethyltoluene	k_sg	0	N/A
622-96-8	4-ethyltoluene	f_v	1	N/A
622-96-8	4-ethyltoluene	rcf	19	N/A
622-96-8	4-ethyltoluene	br_root_veg	2.5	N/A

CAS No.	COPC Name	Symbol	Current	Original
622-96-8	4-ethyltoluene	br_leafy_veg	0.31	N/A
622-96-8	4-ethyltoluene	br_forage	0.31	N/A
622-96-8	4-ethyltoluene	bv_leafy_veg	8.45E-02	N/A
622-96-8	4-ethyltoluene	bv_forage	8.45E-02	N/A
622-96-8	4-ethyltoluene	ba_milk	4.20E-03	N/A
622-96-8	4-ethyltoluene	ba_beef	1.99E-02	N/A
622-96-8	4-ethyltoluene	ba_pork	2.41E-02	N/A
622-96-8	4-ethyltoluene	bcf_fish	1.50E-02	N/A
622-96-8	4-ethyltoluene	baf_fish	0	N/A
622-96-8	4-ethyltoluene	bsaf_fish	0	N/A
622-96-8	4-ethyltoluene	rfd	0.1	N/A
622-96-8	4-ethyltoluene	oral_csf	1.10E-02	N/A
622-96-8	4-ethyltoluene	rfc	1	N/A
622-96-8	4-ethyltoluene	inhalation_urf	2.50E-06	N/A
622-96-8	4-ethyltoluene	inhalation_csf	ND	N/A
622-96-8	4-ethyltoluene	chemical_type	O	N/A
622-96-8	4-ethyltoluene	chemical_subtype		N/A
622-96-8	4-ethyltoluene	br_grain	0.31	N/A
622-96-8	4-ethyltoluene	ba_egg	8.39E-03	N/A
622-96-8	4-ethyltoluene	ba_chicken	1.47E-02	N/A
622-96-8	4-ethyltoluene	inhalation_rfd	ND	N/A
622-96-8	4-ethyltoluene	tef	ND	N/A
624-64-6	trans-2-butene	cas_number	624-64-6	N/A
624-64-6	trans-2-butene	copc_name	trans-2-butene	N/A
624-64-6	trans-2-butene	mw	42.1	N/A
624-64-6	trans-2-butene	t_m	168	N/A
624-64-6	trans-2-butene	v_p	11.4	N/A
624-64-6	trans-2-butene	s	200	N/A
624-64-6	trans-2-butene	h	0.196	N/A
624-64-6	trans-2-butene	d_a	0.157	N/A
624-64-6	trans-2-butene	dw	1.82E-05	N/A
624-64-6	trans-2-butene	k_ow	58.9	N/A
624-64-6	trans-2-butene	k_oc	55	N/A
624-64-6	trans-2-butene	kd_s	0.55	N/A
624-64-6	trans-2-butene	kd_sw	4.12	N/A
624-64-6	trans-2-butene	kd_bs	2.2	N/A
624-64-6	trans-2-butene	k_sg	0	N/A
624-64-6	trans-2-butene	f_v	1	N/A
624-64-6	trans-2-butene	rcf	0.7	N/A
624-64-6	trans-2-butene	br_root_veg	1.3	N/A
624-64-6	trans-2-butene	br_leafy_veg	3.7	N/A
624-64-6	trans-2-butene	br_forage	3.7	N/A
624-64-6	trans-2-butene	bv_leafy_veg	2.19E-05	N/A
624-64-6	trans-2-butene	bv_forage	2.19E-05	N/A
624-64-6	trans-2-butene	ba_milk	4.22E-04	N/A
624-64-6	trans-2-butene	ba_beef	2.01E-03	N/A

CAS No.	COPC Name	Symbol	Current	Original
624-64-6	trans-2-butene	ba_pork	2.43E-03	N/A
624-64-6	trans-2-butene	bcf_fish	1.50E-03	N/A
624-64-6	trans-2-butene	baf_fish	0	N/A
624-64-6	trans-2-butene	bsaf_fish	0	N/A
624-64-6	trans-2-butene	rfd	ND	N/A
624-64-6	trans-2-butene	oral_csf	ND	N/A
624-64-6	trans-2-butene	rfc	8.00E-03	N/A
624-64-6	trans-2-butene	inhalation_urf	ND	N/A
624-64-6	trans-2-butene	inhalation_csf	ND	N/A
624-64-6	trans-2-butene	chemical_type	O	N/A
624-64-6	trans-2-butene	chemical_subtype		N/A
624-64-6	trans-2-butene	br_grain	3.7	N/A
624-64-6	trans-2-butene	ba_egg	8.45E-04	N/A
624-64-6	trans-2-butene	ba_chicken	1.48E-03	N/A
624-64-6	trans-2-butene	inhalation_rfd	ND	N/A
624-64-6	trans-2-butene	tef	ND	N/A
67-64-1	Acetone	rfc	3.10E+01	0.35
67-66-3	Chloroform (Trichloromethane)	oral_csf	3.10E-02	0
67-66-3	Chloroform (Trichloromethane)	rfc	9.80E-02	0.0003
67-72-1	Hexachloroethane (Perchloroetha	rfd	7.00E-04	0.001
67-72-1	Hexachloroethane (Perchloroetha	oral_csf	4.00E-02	0.014
67-72-1	Hexachloroethane (Perchloroetha	rfc	3.00E-02	0
67-72-1	Hexachloroethane (Perchloroetha	inhalation_urf	1.10E-05	4.00E-06
71-55-6	Trichloroethane, 1,1,1-	rfd	2	0.02
71-55-6	Trichloroethane, 1,1,1-	rfc	5	0
7429-90-5	aluminum	cas_number	7429-90-5	N/A
7429-90-5	aluminum	copc_name	aluminum	N/A
7429-90-5	aluminum	mw	30	N/A
7429-90-5	aluminum	t_m	933	N/A
7429-90-5	aluminum	v_p	0	N/A
7429-90-5	aluminum	s	0	N/A
7429-90-5	aluminum	h	0	N/A
7429-90-5	aluminum	d_a	0	N/A
7429-90-5	aluminum	dw	0	N/A
7429-90-5	aluminum	k_ow	0	N/A
7429-90-5	aluminum	k_oc	0	N/A
7429-90-5	aluminum	kd_s	0	N/A
7429-90-5	aluminum	kd_sw	0	N/A
7429-90-5	aluminum	kd_bs	0	N/A
7429-90-5	aluminum	k_sg	0	N/A
7429-90-5	aluminum	f_v	0	N/A
7429-90-5	aluminum	rcf	0	N/A
7429-90-5	aluminum	br_root_veg	0	N/A
7429-90-5	aluminum	br_leafy_veg	0	N/A
7429-90-5	aluminum	br_forage	0	N/A
7429-90-5	aluminum	bv_leafy_veg	0	N/A

CAS No.	COPC Name	Symbol	Current	Original
7429-90-5	aluminum	bv_forage	0	N/A
7429-90-5	aluminum	ba_milk	0	N/A
7429-90-5	aluminum	ba_beef	0	N/A
7429-90-5	aluminum	ba_pork	0	N/A
7429-90-5	aluminum	bcf_fish	0	N/A
7429-90-5	aluminum	baf_fish	0	N/A
7429-90-5	aluminum	bsaf_fish	0	N/A
7429-90-5	aluminum	rfd	1	N/A
7429-90-5	aluminum	oral_csf	ND	N/A
7429-90-5	aluminum	rfc	5.00E-03	N/A
7429-90-5	aluminum	inhalation_urf	ND	N/A
7429-90-5	aluminum	inhalation_csf	ND	N/A
7429-90-5	aluminum	chemical_type	I	N/A
7429-90-5	aluminum	chemical_subty	Metal	N/A
7429-90-5	aluminum	br_grain	0	N/A
7429-90-5	aluminum	ba_egg	0	N/A
7429-90-5	aluminum	ba_chicken	0	N/A
7429-90-5	aluminum	inhalation_rfd	ND	N/A
7429-90-5	aluminum	tef	ND	N/A
7439-96-5	manganese	cas_number	7439-96-5	N/A
7439-96-5	manganese	copc_name	manganese	N/A
7439-96-5	manganese	mw	54.9	N/A
7439-96-5	manganese	t_m	1520	N/A
7439-96-5	manganese	v_p	0	N/A
7439-96-5	manganese	s	0	N/A
7439-96-5	manganese	h	0	N/A
7439-96-5	manganese	d_a	0	N/A
7439-96-5	manganese	dw	0	N/A
7439-96-5	manganese	k_ow	0	N/A
7439-96-5	manganese	k_oc	0	N/A
7439-96-5	manganese	kd_s	0	N/A
7439-96-5	manganese	kd_sw	0	N/A
7439-96-5	manganese	kd_bs	0	N/A
7439-96-5	manganese	k_sg	0	N/A
7439-96-5	manganese	f_v	0	N/A
7439-96-5	manganese	rcf	0	N/A
7439-96-5	manganese	br_root_veg	0	N/A
7439-96-5	manganese	br_leafy_veg	0	N/A
7439-96-5	manganese	br_forage	0	N/A
7439-96-5	manganese	bv_leafy_veg	0	N/A
7439-96-5	manganese	bv_forage	0	N/A
7439-96-5	manganese	ba_milk	0	N/A
7439-96-5	manganese	ba_beef	0	N/A
7439-96-5	manganese	ba_pork	0	N/A
7439-96-5	manganese	bcf_fish	0	N/A
7439-96-5	manganese	baf_fish	0	N/A

CAS No.	COPC Name	Symbol	Current	Original
7439-96-5	manganese	bsaf_fish	0	N/A
7439-96-5	manganese	rfd	0.14	N/A
7439-96-5	manganese	oral_csf	ND	N/A
7439-96-5	manganese	rfc	5.00E-05	N/A
7439-96-5	manganese	inhalation_urf	ND	N/A
7439-96-5	manganese	inhalation_csf	ND	N/A
7439-96-5	manganese	chemical_type	I	N/A
7439-96-5	manganese	chemical_subty	Metal	N/A
7439-96-5	manganese	br_grain	0	N/A
7439-96-5	manganese	ba_egg	0	N/A
7439-96-5	manganese	ba_chicken	0	N/A
7439-96-5	manganese	inhalation_rfd	ND	N/A
7439-96-5	manganese	tef	ND	N/A
7440-02-0	Nickel	rfc	9.00E-05	0.0002
7440-02-0	Nickel	inhalation_urf	2.60E-04	0.00024
7440-38-2	Arsenic	rfc	1.50E-05	3.00E-05
7440-39-3	Barium	rfd	2.00E-01	0.07
7440-43-9	Cadmium	rfd	5.00E-04	0.0004
7440-43-9	Cadmium	rfc	1.00E-05	0.0002
7440-43-9	Cadmium	inhalation_urf	1.80E-03	0.0018
7440-48-4	cobalt	cas_number	7440-48-4	N/A
7440-48-4	cobalt	copc_name	cobalt	N/A
7440-48-4	cobalt	mw	58.9	N/A
7440-48-4	cobalt	t_m	1770	N/A
7440-48-4	cobalt	v_p	0	N/A
7440-48-4	cobalt	s	0	N/A
7440-48-4	cobalt	h	0	N/A
7440-48-4	cobalt	d_a	0	N/A
7440-48-4	cobalt	dw	0	N/A
7440-48-4	cobalt	k_ow	0	N/A
7440-48-4	cobalt	k_oc	0	N/A
7440-48-4	cobalt	kd_s	0	N/A
7440-48-4	cobalt	kd_sw	0	N/A
7440-48-4	cobalt	kd_bs	0	N/A
7440-48-4	cobalt	k_sg	0	N/A
7440-48-4	cobalt	f_v	0	N/A
7440-48-4	cobalt	rcf	0	N/A
7440-48-4	cobalt	br_root_veg	0	N/A
7440-48-4	cobalt	br_leafy_veg	0	N/A
7440-48-4	cobalt	br_forage	0	N/A
7440-48-4	cobalt	bv_leafy_veg	0	N/A
7440-48-4	cobalt	bv_forage	0	N/A
7440-48-4	cobalt	ba_milk	0	N/A
7440-48-4	cobalt	ba_beef	0	N/A
7440-48-4	cobalt	ba_pork	0	N/A
7440-48-4	cobalt	bcf_fish	0	N/A

CAS No.	COPC Name	Symbol	Current	Original
7440-48-4	cobalt	baf_fish	0	N/A
7440-48-4	cobalt	bsaf_fish	0	N/A
7440-48-4	cobalt	rfd	3.00E-04	N/A
7440-48-4	cobalt	oral_csf	ND	N/A
7440-48-4	cobalt	rfc	6.00E-06	N/A
7440-48-4	cobalt	inhalation_urf	9.00E-03	N/A
7440-48-4	cobalt	inhalation_csf	ND	N/A
7440-48-4	cobalt	chemical_type	I	N/A
7440-48-4	cobalt	chemical_subty	Metal	N/A
7440-48-4	cobalt	br_grain	0	N/A
7440-48-4	cobalt	ba_egg	0	N/A
7440-48-4	cobalt	ba_chicken	0	N/A
7440-48-4	cobalt	inhalation_rfd	ND	N/A
7440-48-4	cobalt	tef	ND	N/A
7440-50-8	copper	cas_number	7440-50-8	N/A
7440-50-8	copper	copc_name	copper	N/A
7440-50-8	copper	mw	63.6	N/A
7440-50-8	copper	t_m	1360	N/A
7440-50-8	copper	v_p	0	N/A
7440-50-8	copper	s	0	N/A
7440-50-8	copper	h	0	N/A
7440-50-8	copper	d_a	0	N/A
7440-50-8	copper	dw	0	N/A
7440-50-8	copper	k_ow	0	N/A
7440-50-8	copper	k_oc	0	N/A
7440-50-8	copper	kd_s	0	N/A
7440-50-8	copper	kd_sw	0	N/A
7440-50-8	copper	kd_bs	0	N/A
7440-50-8	copper	k_sg	0	N/A
7440-50-8	copper	f_v	0	N/A
7440-50-8	copper	rcf	0	N/A
7440-50-8	copper	br_root_veg	0	N/A
7440-50-8	copper	br_leafy_veg	0	N/A
7440-50-8	copper	br_forage	0	N/A
7440-50-8	copper	bv_leafy_veg	0	N/A
7440-50-8	copper	bv_forage	0	N/A
7440-50-8	copper	ba_milk	0	N/A
7440-50-8	copper	ba_beef	0	N/A
7440-50-8	copper	ba_pork	0	N/A
7440-50-8	copper	bcf_fish	0	N/A
7440-50-8	copper	baf_fish	0	N/A
7440-50-8	copper	bsaf_fish	0	N/A
7440-50-8	copper	rfd	0.04	N/A
7440-50-8	copper	oral_csf	ND	N/A
7440-50-8	copper	rfc	ND	N/A
7440-50-8	copper	inhalation_urf	ND	N/A

CAS No.	COPC Name	Symbol	Current	Original
7440-50-8	copper	inhalation_csf	ND	N/A
7440-50-8	copper	chemical_type	I	N/A
7440-50-8	copper	chemical_subty	Metal	N/A
7440-50-8	copper	br_grain	0	N/A
7440-50-8	copper	ba_egg	0	N/A
7440-50-8	copper	ba_chicken	0	N/A
7440-50-8	copper	inhalation_rfd	ND	N/A
7440-50-8	copper	tef	ND	N/A
75-01-4	Vinyl Chloride	oral_csf	1.4	1.5
75-01-4	Vinyl Chloride	inhalation_urf	8.80E-06	8.80E-06
75-09-2	Methylene chloride	rfd	6.00E-03	0.06
75-09-2	Methylene chloride	oral_csf	1.10E-02	0.0075
75-09-2	Methylene chloride	rfc	6.00E-01	3
75-09-2	Methylene chloride	inhalation_urf	5.30E-08	4.70E-07
75-27-4	Bromodichloromethane	inhalation_urf	3.70E-05	1.80E-05
75-34-3	Dichloroethane 1,1-	rfd	2.00E-01	0
75-83-2	2,2-dimethylbutane	cas_number	75-83-2	N/A
75-83-2	2,2-dimethylbutane	copc_name	2,2-dimethylbutane	N/A
75-83-2	2,2-dimethylbutane	mw	86.2	N/A
75-83-2	2,2-dimethylbutane	t_m	174	N/A
75-83-2	2,2-dimethylbutane	v_p	319	N/A
75-83-2	2,2-dimethylbutane	s	18	N/A
75-83-2	2,2-dimethylbutane	h	1.52	N/A
75-83-2	2,2-dimethylbutane	d_a	9.74E-02	N/A
75-83-2	2,2-dimethylbutane	dw	1.13E-05	N/A
75-83-2	2,2-dimethylbutane	k_ow	6.60E+03	N/A
75-83-2	2,2-dimethylbutane	k_oc	1.08E+03	N/A
75-83-2	2,2-dimethylbutane	kd_s	1.08E+01	N/A
75-83-2	2,2-dimethylbutane	kd_sw	8.08E+01	N/A
75-83-2	2,2-dimethylbutane	kd_bs	43.1	N/A
75-83-2	2,2-dimethylbutane	k_sg	0	N/A
75-83-2	2,2-dimethylbutane	f_v	1	N/A
75-83-2	2,2-dimethylbutane	rcf	26	N/A
75-83-2	2,2-dimethylbutane	br_root_veg	2.4	N/A
75-83-2	2,2-dimethylbutane	br_leafy_veg	0.24	N/A
75-83-2	2,2-dimethylbutane	br_forage	0.24	N/A
75-83-2	2,2-dimethylbutane	bv_leafy_veg	4.30E-04	N/A
75-83-2	2,2-dimethylbutane	bv_forage	4.30E-04	N/A
75-83-2	2,2-dimethylbutane	ba_milk	4.84E-03	N/A
75-83-2	2,2-dimethylbutane	ba_beef	2.30E-02	N/A
75-83-2	2,2-dimethylbutane	ba_pork	2.78E-02	N/A
75-83-2	2,2-dimethylbutane	bcf_fish	1.70E-02	N/A
75-83-2	2,2-dimethylbutane	baf_fish	0	N/A
75-83-2	2,2-dimethylbutane	bsaf_fish	0	N/A
75-83-2	2,2-dimethylbutane	rfd	4.00E-02	N/A
75-83-2	2,2-dimethylbutane	oral_csf	ND	N/A

CAS No.	COPC Name	Symbol	Current	Original
75-83-2	2,2-dimethylbutane	rfc	0.2	N/A
75-83-2	2,2-dimethylbutane	inhalation_urf	ND	N/A
75-83-2	2,2-dimethylbutane	inhalation_csf	ND	N/A
75-83-2	2,2-dimethylbutane	chemical_type	O	N/A
75-83-2	2,2-dimethylbutane	chemical_subtype		N/A
75-83-2	2,2-dimethylbutane	br_grain	0.24	N/A
75-83-2	2,2-dimethylbutane	ba_egg	9.68E-03	N/A
75-83-2	2,2-dimethylbutane	ba_chicken	1.69E-02	N/A
75-83-2	2,2-dimethylbutane	inhalation_rfd	ND	N/A
75-83-2	2,2-dimethylbutane	tef	ND	N/A
76-01-7	pentachloroethane	cas_number	76-01-7	N/A
76-01-7	pentachloroethane	copc_name	pentachloroethane	N/A
76-01-7	pentachloroethane	mw	202	N/A
76-01-7	pentachloroethane	t_m	244	N/A
76-01-7	pentachloroethane	v_p	4.61E-03	N/A
76-01-7	pentachloroethane	s	480	N/A
76-01-7	pentachloroethane	h	1.94E-03	N/A
76-01-7	pentachloroethane	d_a	5.51E-02	N/A
76-01-7	pentachloroethane	dw	6.38E-06	N/A
76-01-7	pentachloroethane	k_ow	1.70E+03	N/A
76-01-7	pentachloroethane	k_oc	1.50E+03	N/A
76-01-7	pentachloroethane	kd_s	15	N/A
76-01-7	pentachloroethane	kd_sw	112	N/A
76-01-7	pentachloroethane	kd_bs	60	N/A
76-01-7	pentachloroethane	k_sg	0	N/A
76-01-7	pentachloroethane	f_v	1	N/A
76-01-7	pentachloroethane	rcf	9.3	N/A
76-01-7	pentachloroethane	br_root_veg	0.62	N/A
76-01-7	pentachloroethane	br_leafy_veg	0.53	N/A
76-01-7	pentachloroethane	br_forage	0.53	N/A
76-01-7	pentachloroethane	bv_leafy_veg	7.95E-02	N/A
76-01-7	pentachloroethane	bv_forage	7.95E-02	N/A
76-01-7	pentachloroethane	ba_milk	2.92E-03	N/A
76-01-7	pentachloroethane	ba_beef	1.39E-02	N/A
76-01-7	pentachloroethane	ba_pork	1.68E-02	N/A
76-01-7	pentachloroethane	bcf_fish	1.00E-02	N/A
76-01-7	pentachloroethane	baf_fish	0	N/A
76-01-7	pentachloroethane	bsaf_fish	0	N/A
76-01-7	pentachloroethane	rfd	ND	N/A
76-01-7	pentachloroethane	oral_csf	9.00E-02	N/A
76-01-7	pentachloroethane	rfc	ND	N/A
76-01-7	pentachloroethane	inhalation_urf	ND	N/A
76-01-7	pentachloroethane	inhalation_csf	ND	N/A
76-01-7	pentachloroethane	chemical_type	O	N/A
76-01-7	pentachloroethane	chemical_subtype		N/A
76-01-7	pentachloroethane	br_grain	0.53	N/A

CAS No.	COPC Name	Symbol	Current	Original
76-01-7	pentachloroethane	ba_egg	5.84E-03	N/A
76-01-7	pentachloroethane	ba_chicken	1.02E-02	N/A
76-01-7	pentachloroethane	inhalation_rfd	ND	N/A
76-01-7	pentachloroethane	tef	ND	N/A
7723-14-0	phosphorous	cas_number	7723-14-0	N/A
7723-14-0	phosphorous	copc_name	phosphorous	N/A
7723-14-0	phosphorous	mw	34	N/A
7723-14-0	phosphorous	t_m	317	N/A
7723-14-0	phosphorous	v_p	3.42E-05	N/A
7723-14-0	phosphorous	s	3.3	N/A
7723-14-0	phosphorous	h	0	N/A
7723-14-0	phosphorous	d_a	0.181	N/A
7723-14-0	phosphorous	dw	2.10E-05	N/A
7723-14-0	phosphorous	k_ow	0	N/A
7723-14-0	phosphorous	k_oc	0	N/A
7723-14-0	phosphorous	kd_s	0	N/A
7723-14-0	phosphorous	kd_sw	0	N/A
7723-14-0	phosphorous	kd_bs	0	N/A
7723-14-0	phosphorous	k_sg	0	N/A
7723-14-0	phosphorous	f_v	0	N/A
7723-14-0	phosphorous	rcf	0	N/A
7723-14-0	phosphorous	br_root_veg	0	N/A
7723-14-0	phosphorous	br_leafy_veg	0	N/A
7723-14-0	phosphorous	br_forage	0	N/A
7723-14-0	phosphorous	bv_leafy_veg	0	N/A
7723-14-0	phosphorous	bv_forage	0	N/A
7723-14-0	phosphorous	ba_milk	0	N/A
7723-14-0	phosphorous	ba_beef	0	N/A
7723-14-0	phosphorous	ba_pork	0	N/A
7723-14-0	phosphorous	bcf_fish	0	N/A
7723-14-0	phosphorous	baf_fish	0	N/A
7723-14-0	phosphorous	bsaf_fish	0	N/A
7723-14-0	phosphorous	rfd	2.00E-05	N/A
7723-14-0	phosphorous	oral_csf	ND	N/A
7723-14-0	phosphorous	rfc	ND	N/A
7723-14-0	phosphorous	inhalation_urf	ND	N/A
7723-14-0	phosphorous	inhalation_csf	ND	N/A
7723-14-0	phosphorous	chemical_type	I	N/A
7723-14-0	phosphorous	chemical_subtype		N/A
7723-14-0	phosphorous	br_grain	0	N/A
7723-14-0	phosphorous	ba_egg	0	N/A
7723-14-0	phosphorous	ba_chicken	0	N/A
7723-14-0	phosphorous	inhalation_rfd	ND	N/A
7723-14-0	phosphorous	tef	ND	N/A
7782-50-5	Chlorine	rfc	1.50E-04	0.0002
78-87-5	Dichloropropane, 1,2-	rfd	9.00E-02	0.00114

CAS No.	COPC Name	Symbol	Current	Original
79-00-5	Trichloroethane, 1,1,2-	rfc	2.00E-04	0
79-01-6	Trichloroethylene	rfd	5.00E-04	0.006
79-01-6	Trichloroethylene	oral_csf	5.10E-02	0.013
79-01-6	Trichloroethylene	rfc	2.00E-03	0.6
79-01-6	Trichloroethylene	inhalation_urf	5.30E-06	2.00E-06
79-29-8	2,3-dimethylbutane	cas_number	79-29-8	N/A
79-29-8	2,3-dimethylbutane	copc_name	2,3-dimethylbutane	N/A
79-29-8	2,3-dimethylbutane	mw	86.2	N/A
79-29-8	2,3-dimethylbutane	t_m	144	N/A
79-29-8	2,3-dimethylbutane	v_p	235	N/A
79-29-8	2,3-dimethylbutane	s	23	N/A
79-29-8	2,3-dimethylbutane	h	1.18	N/A
79-29-8	2,3-dimethylbutane	d_a	9.74E-02	N/A
79-29-8	2,3-dimethylbutane	dw	1.13E-05	N/A
79-29-8	2,3-dimethylbutane	k_ow	2.60E+03	N/A
79-29-8	2,3-dimethylbutane	k_oc	515	N/A
79-29-8	2,3-dimethylbutane	kd_s	5.15	N/A
79-29-8	2,3-dimethylbutane	kd_sw	38.7	N/A
79-29-8	2,3-dimethylbutane	kd_bs	20.6	N/A
79-29-8	2,3-dimethylbutane	k_sg	0	N/A
79-29-8	2,3-dimethylbutane	f_v	1	N/A
79-29-8	2,3-dimethylbutane	rcf	13	N/A
79-29-8	2,3-dimethylbutane	br_root_veg	2.5	N/A
79-29-8	2,3-dimethylbutane	br_leafy_veg	0.41	N/A
79-29-8	2,3-dimethylbutane	br_forage	0.41	N/A
79-29-8	2,3-dimethylbutane	bv_leafy_veg	2.05E-04	N/A
79-29-8	2,3-dimethylbutane	bv_forage	2.05E-04	N/A
79-29-8	2,3-dimethylbutane	ba_milk	3.48E-03	N/A
79-29-8	2,3-dimethylbutane	ba_beef	1.65E-02	N/A
79-29-8	2,3-dimethylbutane	ba_pork	2.00E-02	N/A
79-29-8	2,3-dimethylbutane	bcf_fish	1.20E-02	N/A
79-29-8	2,3-dimethylbutane	baf_fish	0	N/A
79-29-8	2,3-dimethylbutane	bsaf_fish	0	N/A
79-29-8	2,3-dimethylbutane	rfd	4.00E-02	N/A
79-29-8	2,3-dimethylbutane	oral_csf	ND	N/A
79-29-8	2,3-dimethylbutane	rfc	0.2	N/A
79-29-8	2,3-dimethylbutane	inhalation_urf	ND	N/A
79-29-8	2,3-dimethylbutane	inhalation_csf	ND	N/A
79-29-8	2,3-dimethylbutane	chemical_type	O	N/A
79-29-8	2,3-dimethylbutane	chemical_subtype		N/A
79-29-8	2,3-dimethylbutane	br_grain	0.41	N/A
79-29-8	2,3-dimethylbutane	ba_egg	6.96E-03	N/A
79-29-8	2,3-dimethylbutane	ba_chicken	1.22E-02	N/A
79-29-8	2,3-dimethylbutane	inhalation_rfd	ND	N/A
79-29-8	2,3-dimethylbutane	tef	ND	N/A

CAS No.	COPC Name	Symbol	Current	Original
79-34-5	Tetrachloroethane, 1,1,2,2-	rfd	2.00E-02	0
80-62-6	methymethacrylate	cas_number	80-62-6	N/A
80-62-6	methymethacrylate	copc_name	methymethacrylate	N/A
80-62-6	methymethacrylate	mw	100	N/A
80-62-6	methymethacrylate	t_m	225	N/A
80-62-6	methymethacrylate	v_p	38.5	N/A
80-62-6	methymethacrylate	s	1.50E+04	N/A
80-62-6	methymethacrylate	h	3.19E-04	N/A
80-62-6	methymethacrylate	d_a	7.50E-02	N/A
80-62-6	methymethacrylate	dw	9.21E-06	N/A
80-62-6	methymethacrylate	k_ow	24	N/A
80-62-6	methymethacrylate	k_oc	12.6	N/A
80-62-6	methymethacrylate	kd_s	0.126	N/A
80-62-6	methymethacrylate	kd_sw	9.46E-01	N/A
80-62-6	methymethacrylate	kd_bs	5.05E-01	N/A
80-62-6	methymethacrylate	k_sg	0	N/A
80-62-6	methymethacrylate	f_v	1	N/A
80-62-6	methymethacrylate	rcf	0.35	N/A
80-62-6	methymethacrylate	br_root_veg	2.8	N/A
80-62-6	methymethacrylate	br_leafy_veg	6.2	N/A
80-62-6	methymethacrylate	br_forage	6.2	N/A
80-62-6	methymethacrylate	bv_leafy_veg	5.17E-03	N/A
80-62-6	methymethacrylate	bv_forage	5.17E-03	N/A
80-62-6	methymethacrylate	ba_milk	2.14E-04	N/A
80-62-6	methymethacrylate	ba_beef	1.02E-03	N/A
80-62-6	methymethacrylate	ba_pork	1.23E-03	N/A
80-62-6	methymethacrylate	bcf_fish	7.50E-04	N/A
80-62-6	methymethacrylate	baf_fish	0	N/A
80-62-6	methymethacrylate	bsaf_fish	0	N/A
80-62-6	methymethacrylate	rfd	1.4	N/A
80-62-6	methymethacrylate	oral_csf	ND	N/A
80-62-6	methymethacrylate	rfc	0.7	N/A
80-62-6	methymethacrylate	inhalation_urf	ND	N/A
80-62-6	methymethacrylate	inhalation_csf	ND	N/A
80-62-6	methymethacrylate	chemical_type	O	N/A
80-62-6	methymethacrylate	chemical_subtype		N/A
80-62-6	methymethacrylate	br_grain	6.2	N/A
80-62-6	methymethacrylate	ba_egg	4.28E-04	N/A
80-62-6	methymethacrylate	ba_chicken	7.49E-04	N/A
80-62-6	methymethacrylate	inhalation_rfd	ND	N/A
80-62-6	methymethacrylate	tef	ND	N/A
85-68-7	Butylbenzylphthalate	oral_csf	1.90E-03	0
86-30-6	Nitrosodiphenylamine, N-	inhalation_urf	2.60E-06	0
86-74-8	carbazole	cas_number	86-74-8	N/A
86-74-8	carbazole	copc_name	carbazole	N/A
86-74-8	carbazole	mw	167	N/A

CAS No.	COPC Name	Symbol	Current	Original
86-74-8	carbazole	t_m	519	N/A
86-74-8	carbazole	v_p	7.50E-07	N/A
86-74-8	carbazole	s	7.48	N/A
86-74-8	carbazole	h	1.53E-08	N/A
86-74-8	carbazole	d_a	3.90E-02	N/A
86-74-8	carbazole	dw	7.03E-06	N/A
86-74-8	carbazole	k_ow	5.20E+03	N/A
86-74-8	carbazole	k_oc	4.50E+03	N/A
86-74-8	carbazole	kd_s	45	N/A
86-74-8	carbazole	kd_sw	337	N/A
86-74-8	carbazole	kd_bs	180	N/A
86-74-8	carbazole	k_sg	0	N/A
86-74-8	carbazole	f_v	0.998	N/A
86-74-8	carbazole	rcf	22	N/A
86-74-8	carbazole	br_root_veg	0.49	N/A
86-74-8	carbazole	br_leafy_veg	0.28	N/A
86-74-8	carbazole	br_forage	0.28	N/A
86-74-8	carbazole	bv_leafy_veg	3.32E+04	N/A
86-74-8	carbazole	bv_forage	3.32E+04	N/A
86-74-8	carbazole	ba_milk	4.48E-03	N/A
86-74-8	carbazole	ba_beef	2.13E-02	N/A
86-74-8	carbazole	ba_pork	2.58E-02	N/A
86-74-8	carbazole	bcf_fish	1.60E-02	N/A
86-74-8	carbazole	baf_fish	0	N/A
86-74-8	carbazole	bsaf_fish	0	N/A
86-74-8	carbazole	rfd	ND	N/A
86-74-8	carbazole	oral_csf	2.00E-02	N/A
86-74-8	carbazole	rfc	ND	N/A
86-74-8	carbazole	inhalation_urf	ND	N/A
86-74-8	carbazole	inhalation_csf	ND	N/A
86-74-8	carbazole	chemical_type	O	N/A
86-74-8	carbazole	chemical_subtype		N/A
86-74-8	carbazole	br_grain	0.28	N/A
86-74-8	carbazole	ba_egg	8.96E-03	N/A
86-74-8	carbazole	ba_chicken	1.57E-02	N/A
86-74-8	carbazole	inhalation_rfd	ND	N/A
86-74-8	carbazole	tef	ND	N/A
87-65-0	2,6-dichlorophenol	cas_number	87-65-0	N/A
87-65-0	2,6-dichlorophenol	copc_name	2,6-dichlorophenol	N/A
87-65-0	2,6-dichlorophenol	mw	163	N/A
87-65-0	2,6-dichlorophenol	t_m	340	N/A
87-65-0	2,6-dichlorophenol	v_p	2.17E-05	N/A
87-65-0	2,6-dichlorophenol	s	172	N/A
87-65-0	2,6-dichlorophenol	h	2.00E-05	N/A
87-65-0	2,6-dichlorophenol	d_a	3.47E-02	N/A
87-65-0	2,6-dichlorophenol	dw	8.80E-06	N/A

CAS No.	COPC Name	Symbol	Current	Original
87-65-0	2,6-dichlorophenol	k_ow	7.90E+02	N/A
87-65-0	2,6-dichlorophenol	k_oc	706	N/A
87-65-0	2,6-dichlorophenol	kd_s	7.06	N/A
87-65-0	2,6-dichlorophenol	kd_sw	52.9	N/A
87-65-0	2,6-dichlorophenol	kd_bs	28.2	N/A
87-65-0	2,6-dichlorophenol	k_sg	0	N/A
87-65-0	2,6-dichlorophenol	f_v	1	N/A
87-65-0	2,6-dichlorophenol	rcf	5.1	N/A
87-65-0	2,6-dichlorophenol	br_root_veg	0.73	N/A
87-65-0	2,6-dichlorophenol	br_leafy_veg	0.82	N/A
87-65-0	2,6-dichlorophenol	br_forage	0.82	N/A
87-65-0	2,6-dichlorophenol	bv_leafy_veg	3.41	N/A
87-65-0	2,6-dichlorophenol	bv_forage	3.41	N/A
87-65-0	2,6-dichlorophenol	ba_milk	2.05E-03	N/A
87-65-0	2,6-dichlorophenol	ba_beef	9.73E-03	N/A
87-65-0	2,6-dichlorophenol	ba_pork	1.18E-02	N/A
87-65-0	2,6-dichlorophenol	bcf_fish	7.20E-03	N/A
87-65-0	2,6-dichlorophenol	baf_fish	0	N/A
87-65-0	2,6-dichlorophenol	bsaf_fish	0	N/A
87-65-0	2,6-dichlorophenol	rfd	3.00E-03	N/A
87-65-0	2,6-dichlorophenol	oral_csf	ND	N/A
87-65-0	2,6-dichlorophenol	rfc	ND	N/A
87-65-0	2,6-dichlorophenol	inhalation_urf	ND	N/A
87-65-0	2,6-dichlorophenol	inhalation_csf	ND	N/A
87-65-0	2,6-dichlorophenol	chemical_type	O	N/A
87-65-0	2,6-dichlorophenol	chemical_subty	Ionizing	N/A
87-65-0	2,6-dichlorophenol	br_grain	0.82	N/A
87-65-0	2,6-dichlorophenol	ba_egg	4.10E-03	N/A
87-65-0	2,6-dichlorophenol	ba_chicken	7.17E-03	N/A
87-65-0	2,6-dichlorophenol	inhalation_rfd	ND	N/A
87-65-0	2,6-dichlorophenol	tef	ND	N/A
87-68-3	Hexachloro-1,3-butadiene (Perch	rfd	1.00E-03	0.0002
87-86-5	Pentachlorophenol	rfd	5.00E-03	0.03
87-86-5	Pentachlorophenol	oral_csf	4.00E-01	0.12
87-86-5	Pentachlorophenol	inhalation_urf	5.10E-06	4.60E-06
88-06-2	Trichlorophenol, 2,4,6-	rfd	1.00E-03	0
88-74-4	Nitroaniline, 2-	rfd	1.00E-02	0
88-74-4	Nitroaniline, 2-	rfc	5.00E-05	0
90-13-1	1-chloronapthalene	cas_number	90-13-1	N/A
90-13-1	1-chloronapthalene	copc_name	1-chloronapthalene	N/A
90-13-1	1-chloronapthalene	mw	1.63E+02	N/A
90-13-1	1-chloronapthalene	t_m	2.70E+02	N/A
90-13-1	1-chloronapthalene	v_p	3.82E-05	N/A
90-13-1	1-chloronapthalene	s	1.70E+01	N/A
90-13-1	1-chloronapthalene	h	1.45E-02	N/A
90-13-1	1-chloronapthalene	d_a	4.56E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
90-13-1	1-chloronapthalene	dw	7.93E-06	N/A
90-13-1	1-chloronapthalene	k_ow	1.00E+04	N/A
90-13-1	1-chloronapthalene	k_oc	8.56E+03	N/A
90-13-1	1-chloronapthalene	kd_s	8.56E+01	N/A
90-13-1	1-chloronapthalene	kd_sw	6.42E+02	N/A
90-13-1	1-chloronapthalene	kd_bs	3.42E+02	N/A
90-13-1	1-chloronapthalene	k_sg	0	N/A
90-13-1	1-chloronapthalene	f_v	1	N/A
90-13-1	1-chloronapthalene	rcf	3.60E+01	N/A
90-13-1	1-chloronapthalene	br_root_veg	4.20E-01	N/A
90-13-1	1-chloronapthalene	br_leafy_veg	1.90E-01	N/A
90-13-1	1-chloronapthalene	br_forage	1.90E-01	N/A
90-13-1	1-chloronapthalene	bv_leafy_veg	7.02E-02	N/A
90-13-1	1-chloronapthalene	bv_forage	7.02E-02	N/A
90-13-1	1-chloronapthalene	ba_milk	5.47E-03	N/A
90-13-1	1-chloronapthalene	ba_beef	2.60E-02	N/A
90-13-1	1-chloronapthalene	ba_pork	3.15E-02	N/A
90-13-1	1-chloronapthalene	bcf_fish	1.90E-02	N/A
90-13-1	1-chloronapthalene	baf_fish	0	N/A
90-13-1	1-chloronapthalene	bsaf_fish	0	N/A
90-13-1	1-chloronapthalene	rfd	8.00E-02	N/A
90-13-1	1-chloronapthalene	oral_csf	ND	N/A
90-13-1	1-chloronapthalene	rfc	ND	N/A
90-13-1	1-chloronapthalene	inhalation_urf	ND	N/A
90-13-1	1-chloronapthalene	inhalation_csf	ND	N/A
90-13-1	1-chloronapthalene	chemical_type	O	N/A
90-13-1	1-chloronapthalene	chemical_subty	PAH	N/A
90-13-1	1-chloronapthalene	br_grain	1.90E-01	N/A
90-13-1	1-chloronapthalene	ba_egg	1.09E-02	N/A
90-13-1	1-chloronapthalene	ba_chicken	1.91E-02	N/A
90-13-1	1-chloronapthalene	inhalation_rfd	ND	N/A
90-13-1	1-chloronapthalene	tef	ND	N/A
91-20-3	Naphthalene	inhalation_urf	3.40E-05	0
91-57-6	2-methylnaphthalene	cas_number	91-57-6	N/A
91-57-6	2-methylnaphthalene	copc_name	2-methylnaphthalene	N/A
91-57-6	2-methylnaphthalene	mw	142	N/A
91-57-6	2-methylnaphthalene	t_m	308	N/A
91-57-6	2-methylnaphthalene	v_p	5.50E-02	N/A
91-57-6	2-methylnaphthalene	s	24.6	N/A
91-57-6	2-methylnaphthalene	h	5.18E-04	N/A
91-57-6	2-methylnaphthalene	d_a	5.24E-02	N/A
91-57-6	2-methylnaphthalene	dw	7.78E-06	N/A
91-57-6	2-methylnaphthalene	k_ow	7.20E+03	N/A
91-57-6	2-methylnaphthalene	k_oc	6.19E+03	N/A
91-57-6	2-methylnaphthalene	kd_s	61.9	N/A
91-57-6	2-methylnaphthalene	kd_sw	465	N/A

CAS No.	COPC Name	Symbol	Current	Original
91-57-6	2-methylnaphthalene	kd_bs	248	N/A
91-57-6	2-methylnaphthalene	k_sg	0	N/A
91-57-6	2-methylnaphthalene	f_v	1	N/A
91-57-6	2-methylnaphthalene	rcf	28	N/A
91-57-6	2-methylnaphthalene	br_root_veg	0.46	N/A
91-57-6	2-methylnaphthalene	br_leafy_veg	0.23	N/A
91-57-6	2-methylnaphthalene	br_forage	0.23	N/A
91-57-6	2-methylnaphthalene	bv_leafy_veg	1.38	N/A
91-57-6	2-methylnaphthalene	bv_forage	1.38	N/A
91-57-6	2-methylnaphthalene	ba_milk	4.97E-03	N/A
91-57-6	2-methylnaphthalene	ba_beef	2.36E-02	N/A
91-57-6	2-methylnaphthalene	ba_pork	2.86E-02	N/A
91-57-6	2-methylnaphthalene	bcf_fish	1.70E-02	N/A
91-57-6	2-methylnaphthalene	baf_fish	0	N/A
91-57-6	2-methylnaphthalene	bsaf_fish	0	N/A
91-57-6	2-methylnaphthalene	rfd	4.00E-03	N/A
91-57-6	2-methylnaphthalene	oral_csf	ND	N/A
91-57-6	2-methylnaphthalene	rfc	ND	N/A
91-57-6	2-methylnaphthalene	inhalation_urf	ND	N/A
91-57-6	2-methylnaphthalene	inhalation_csf	ND	N/A
91-57-6	2-methylnaphthalene	chemical_type	O	N/A
91-57-6	2-methylnaphthalene	chemical_subty	PAH	N/A
91-57-6	2-methylnaphthalene	br_grain	0.23	N/A
91-57-6	2-methylnaphthalene	ba_egg	9.94E-03	N/A
91-57-6	2-methylnaphthalene	ba_chicken	1.74E-02	N/A
91-57-6	2-methylnaphthalene	inhalation_rfd	ND	N/A
91-57-6	2-methylnaphthalene	tef	ND	N/A
91-59-8	2-naphthylamine	cas_number	91-59-8	N/A
91-59-8	2-naphthylamine	copc_name	2-naphthylamine	N/A
91-59-8	2-naphthylamine	mw	143	N/A
91-59-8	2-naphthylamine	t_m	327	N/A
91-59-8	2-naphthylamine	v_p	5.92E-09	N/A
91-59-8	2-naphthylamine	s	189	N/A
91-59-8	2-naphthylamine	h	8.10E-08	N/A
91-59-8	2-naphthylamine	d_a	6.94E-02	N/A
91-59-8	2-naphthylamine	dw	8.04E-06	N/A
91-59-8	2-naphthylamine	k_ow	4.90E+03	N/A
91-59-8	2-naphthylamine	k_oc	4.24E+03	N/A
91-59-8	2-naphthylamine	kd_s	42.4	N/A
91-59-8	2-naphthylamine	kd_sw	318	N/A
91-59-8	2-naphthylamine	kd_bs	170	N/A
91-59-8	2-naphthylamine	k_sg	0	N/A
91-59-8	2-naphthylamine	f_v	7.60E-01	N/A
91-59-8	2-naphthylamine	rcf	21	N/A
91-59-8	2-naphthylamine	br_root_veg	0.49	N/A
91-59-8	2-naphthylamine	br_leafy_veg	0.29	N/A

CAS No.	COPC Name	Symbol	Current	Original
91-59-8	2-naphthylamine	br_forage	0.29	N/A
91-59-8	2-naphthylamine	bv_leafy_veg	5.88E+03	N/A
91-59-8	2-naphthylamine	bv_forage	5.88E+03	N/A
91-59-8	2-naphthylamine	ba_milk	4.39E-03	N/A
91-59-8	2-naphthylamine	ba_beef	2.09E-02	N/A
91-59-8	2-naphthylamine	ba_pork	2.52E-02	N/A
91-59-8	2-naphthylamine	bcf_fish	1.50E-02	N/A
91-59-8	2-naphthylamine	baf_fish	0	N/A
91-59-8	2-naphthylamine	bsaf_fish	0	N/A
91-59-8	2-naphthylamine	rfd	ND	N/A
91-59-8	2-naphthylamine	oral_csf	1.8	N/A
91-59-8	2-naphthylamine	rfc	ND	N/A
91-59-8	2-naphthylamine	inhalation_urf	5.14E-04	N/A
91-59-8	2-naphthylamine	inhalation_csf	ND	N/A
91-59-8	2-naphthylamine	chemical_type	O	N/A
91-59-8	2-naphthylamine	chemical_subty	Ionizing	N/A
91-59-8	2-naphthylamine	br_grain	0.29	N/A
91-59-8	2-naphthylamine	ba_egg	8.78E-03	N/A
91-59-8	2-naphthylamine	ba_chicken	1.54E-02	N/A
91-59-8	2-naphthylamine	inhalation_rfd	ND	N/A
91-59-8	2-naphthylamine	tef	ND	N/A
92-67-1	4-aminobyphenyl	cas_number	92-67-1	N/A
92-67-1	4-aminobyphenyl	copc_name	4-aminobyphenyl	N/A
92-67-1	4-aminobyphenyl	mw	169	N/A
92-67-1	4-aminobyphenyl	t_m	326	N/A
92-67-1	4-aminobyphenyl	v_p	5.00E-08	N/A
92-67-1	4-aminobyphenyl	s	129	N/A
92-67-1	4-aminobyphenyl	h	1.73E-07	N/A
92-67-1	4-aminobyphenyl	d_a	6.21E-02	N/A
92-67-1	4-aminobyphenyl	dw	7.19E-06	N/A
92-67-1	4-aminobyphenyl	k_ow	6.30E+02	N/A
92-67-1	4-aminobyphenyl	k_oc	565	N/A
92-67-1	4-aminobyphenyl	kd_s	5.65	N/A
92-67-1	4-aminobyphenyl	kd_sw	42.4	N/A
92-67-1	4-aminobyphenyl	kd_bs	22.6	N/A
92-67-1	4-aminobyphenyl	k_sg	0	N/A
92-67-1	4-aminobyphenyl	f_v	0.964	N/A
92-67-1	4-aminobyphenyl	rcf	4.3	N/A
92-67-1	4-aminobyphenyl	br_root_veg	0.76	N/A
92-67-1	4-aminobyphenyl	br_leafy_veg	0.93	N/A
92-67-1	4-aminobyphenyl	br_forage	0.93	N/A
92-67-1	4-aminobyphenyl	bv_leafy_veg	3.10E+02	N/A
92-67-1	4-aminobyphenyl	bv_forage	3.10E+02	N/A
92-67-1	4-aminobyphenyl	ba_milk	1.83E-03	N/A
92-67-1	4-aminobyphenyl	ba_beef	8.67E-03	N/A
92-67-1	4-aminobyphenyl	ba_pork	1.05E-02	N/A

CAS No.	COPC Name	Symbol	Current	Original
92-67-1	4-aminobyphenyl	bcf_fish	6.40E-03	N/A
92-67-1	4-aminobyphenyl	baf_fish	0	N/A
92-67-1	4-aminobyphenyl	bsaf_fish	0	N/A
92-67-1	4-aminobyphenyl	rfd	ND	N/A
92-67-1	4-aminobyphenyl	oral_csf	21	N/A
92-67-1	4-aminobyphenyl	rfc	ND	N/A
92-67-1	4-aminobyphenyl	inhalation_urf	6.00E-03	N/A
92-67-1	4-aminobyphenyl	inhalation_csf	ND	N/A
92-67-1	4-aminobyphenyl	chemical_type	O	N/A
92-67-1	4-aminobyphenyl	chemical_subty	Ionizing	N/A
92-67-1	4-aminobyphenyl	br_grain	0.93	N/A
92-67-1	4-aminobyphenyl	ba_egg	3.65E-03	N/A
92-67-1	4-aminobyphenyl	ba_chicken	6.39E-03	N/A
92-67-1	4-aminobyphenyl	inhalation_rfd	ND	N/A
92-67-1	4-aminobyphenyl	tef	ND	N/A
95-48-7	Cresol, o-	rfc	6.00E-01	0.18
95-63-6	1,2,4-Trimethylbenzene	cas_number	95-63-6	N/A
95-63-6	1,2,4-Trimethylbenzene	copc_name	1,2,4-Trimethylbenze	N/A
95-63-6	1,2,4-Trimethylbenzene	mw	120	N/A
95-63-6	1,2,4-Trimethylbenzene	t_m	229	N/A
95-63-6	1,2,4-Trimethylbenzene	v_p	2.1	N/A
95-63-6	1,2,4-Trimethylbenzene	s	57	N/A
95-63-6	1,2,4-Trimethylbenzene	h	6.16E-03	N/A
95-63-6	1,2,4-Trimethylbenzene	d_a	6.07E-02	N/A
95-63-6	1,2,4-Trimethylbenzene	dw	7.92E-06	N/A
95-63-6	1,2,4-Trimethylbenzene	k_ow	4300	N/A
95-63-6	1,2,4-Trimethylbenzene	k_oc	768	N/A
95-63-6	1,2,4-Trimethylbenzene	kd_s	7.68	N/A
95-63-6	1,2,4-Trimethylbenzene	kd_sw	57.6	N/A
95-63-6	1,2,4-Trimethylbenzene	kd_bs	30.7	N/A
95-63-6	1,2,4-Trimethylbenzene	k_sg	0	N/A
95-63-6	1,2,4-Trimethylbenzene	f_v	1	N/A
95-63-6	1,2,4-Trimethylbenzene	rcf	19	N/A
95-63-6	1,2,4-Trimethylbenzene	br_root_veg	2.5	N/A
95-63-6	1,2,4-Trimethylbenzene	br_leafy_veg	0.31	N/A
95-63-6	1,2,4-Trimethylbenzene	br_forage	0.31	N/A
95-63-6	1,2,4-Trimethylbenzene	bv_leafy_veg	6.72E-02	N/A
95-63-6	1,2,4-Trimethylbenzene	bv_forage	6.72E-02	N/A
95-63-6	1,2,4-Trimethylbenzene	ba_milk	4.20E-03	N/A
95-63-6	1,2,4-Trimethylbenzene	ba_beef	1.99E-02	N/A
95-63-6	1,2,4-Trimethylbenzene	ba_pork	2.41E-02	N/A
95-63-6	1,2,4-Trimethylbenzene	bcf_fish	1	N/A
95-63-6	1,2,4-Trimethylbenzene	baf_fish	1	N/A
95-63-6	1,2,4-Trimethylbenzene	bsaf_fish	1	N/A
95-63-6	1,2,4-Trimethylbenzene	rfd	ND	N/A
95-63-6	1,2,4-Trimethylbenzene	oral_csf	ND	N/A

CAS No.	COPC Name	Symbol	Current	Original
95-63-6	1,2,4-Trimethylbenzene	rfc	7.00E-03	N/A
95-63-6	1,2,4-Trimethylbenzene	inhalation_urf	ND	N/A
95-63-6	1,2,4-Trimethylbenzene	inhalation_csf	ND	N/A
95-63-6	1,2,4-Trimethylbenzene	chemical_type	O	N/A
95-63-6	1,2,4-Trimethylbenzene	chemical_subtype		N/A
95-63-6	1,2,4-Trimethylbenzene	br_grain	0.31	N/A
95-63-6	1,2,4-Trimethylbenzene	ba_egg	8.39E-03	N/A
95-63-6	1,2,4-Trimethylbenzene	ba_chicken	1.47E-02	N/A
95-63-6	1,2,4-Trimethylbenzene	inhalation_rfd	ND	N/A
95-63-6	1,2,4-Trimethylbenzene	tef	ND	N/A
96-14-0	3-methylpentane	cas_number	96-14-0	N/A
96-14-0	3-methylpentane	copc_name	3-methylpentane	N/A
96-14-0	3-methylpentane	mw	86.2	N/A
96-14-0	3-methylpentane	t_m	154	N/A
96-14-0	3-methylpentane	v_p	61.5	N/A
96-14-0	3-methylpentane	s	5	N/A
96-14-0	3-methylpentane	h	1.64	N/A
96-14-0	3-methylpentane	d_a	8.81E-02	N/A
96-14-0	3-methylpentane	dw	1.02E-05	N/A
96-14-0	3-methylpentane	k_ow	5.10E+03	N/A
96-14-0	3-methylpentane	k_oc	879	N/A
96-14-0	3-methylpentane	kd_s	8.79	N/A
96-14-0	3-methylpentane	kd_sw	65.9	N/A
96-14-0	3-methylpentane	kd_bs	35.1	N/A
96-14-0	3-methylpentane	k_sg	0	N/A
96-14-0	3-methylpentane	f_v	1	N/A
96-14-0	3-methylpentane	rcf	22	N/A
96-14-0	3-methylpentane	br_root_veg	2.5	N/A
96-14-0	3-methylpentane	br_leafy_veg	0.28	N/A
96-14-0	3-methylpentane	br_forage	0.28	N/A
96-14-0	3-methylpentane	bv_leafy_veg	3.03E-04	N/A
96-14-0	3-methylpentane	bv_forage	3.03E-04	N/A
96-14-0	3-methylpentane	ba_milk	4.45E-03	N/A
96-14-0	3-methylpentane	ba_beef	2.11E-02	N/A
96-14-0	3-methylpentane	ba_pork	2.56E-02	N/A
96-14-0	3-methylpentane	bcf_fish	1.60E-02	N/A
96-14-0	3-methylpentane	baf_fish	0	N/A
96-14-0	3-methylpentane	bsaf_fish	0	N/A
96-14-0	3-methylpentane	rfd	4.00E-02	N/A
96-14-0	3-methylpentane	oral_csf	ND	N/A
96-14-0	3-methylpentane	rfc	0.2	N/A
96-14-0	3-methylpentane	inhalation_urf	ND	N/A
96-14-0	3-methylpentane	inhalation_csf	ND	N/A
96-14-0	3-methylpentane	chemical_type	O	N/A
96-14-0	3-methylpentane	chemical_subtype		N/A
96-14-0	3-methylpentane	br_grain	0.28	N/A

CAS No.	COPC Name	Symbol	Current	Original
96-14-0	3-methylpentane	ba_egg	8.90E-03	N/A
96-14-0	3-methylpentane	ba_chicken	1.56E-02	N/A
96-14-0	3-methylpentane	inhalation_rfd	ND	N/A
96-14-0	3-methylpentane	tef	ND	N/A
97-63-2	Ethyl methacrylate	rfc	3.00E-01	0.32
98-95-3	Nitrobenzene	rfd	2.00E-03	0.0005
98-95-3	Nitrobenzene	rfc	9.00E-03	0
98-95-3	Nitrobenzene	inhalation_urf	4.00E-05	0

IRAP-h View *by Lakes Environmental Software*

Table G-8:
All Sources - Acute HQ's and HI - Daycare Child Scenario

Acute Hazard Indices	
Receptor	Summed HI all sources [1]
South Plant Main Adm	3.8

[1] The HI presented in this column assume **all sources are active** (worst case, and unrealistic operating conditions) and use the emissions unadjusted for chromium and nickel contributed by the test pans.

Table G-9:
All Sources - Acute HQ's and HI - Daycare Child Scenario

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient
1,2,3-Trimethylbenzene	526-73-8	4.3E-03	690,000	6.2E-09
1,2,4-Trimethylbenzene	95-63-6	2.6E-01	690,000	3.7E-07
1,4-Diethylbenzene	105-05-5	6.9E-03	12,000	5.7E-07
1-Butene	106-98-9	2.3E-01	1,200,000	1.9E-07
1-Chloronapthalene	90-13-1	5.6E-03	4,600	1.2E-06
1-Naphthylamine	134-32-7	1.1E-01	210	5.4E-04
2,2,4-Trimethylpentane	540-84-1	2.5E-01	14,000,000	1.8E-08
2,2-Dimethylbutane	75-83-2	1.4E-02	1,800,000	8.0E-09
2,3,4-Trimethylpentane	565-75-3	8.4E-02	14,000,000	6.0E-09
2,3-Dimethylbutane	79-29-8	3.6E-02	1,800,000	2.0E-08
2,3-Dimethylpentane	565-59-3	1.4E-01	1,800,000	8.0E-08
2,4-Dimethylpentane	108-08-7	5.3E-02	180,000	3.0E-07
2,5-Dimethylbenzaldehyde	5779-94-2	2.8E-01	17,000	1.6E-05
2,6-Dichlorophenol	87-65-0	5.6E-03	8,800	6.4E-07
2-Ethyltoluene	611-14-3	4.6E-03	12,000	3.8E-07
2-Hexanone	591-78-6	2.0E-02	41,000	5.0E-07
2-Methylhexane	591-76-4	1.7E-01	1,800,000	9.7E-08
2-Methylnaphthalene	91-57-6	7.6E-02	3,000	2.5E-05
2-Methylpentane	107-83-5	1.1E-01	1,800,000	6.3E-08
2-Naphthylamine	91-59-8	1.1E-01	320	3.5E-04
3-Ethyltoluene	620-14-4	4.9E-02	12,000	4.1E-06
3-Methylheptane	589-81-1	3.6E-02	1,400,000	2.6E-08
3-Methylhexane	589-34-4	2.3E-01	1,800,000	1.3E-07
3-Methylpentane	96-14-0	7.3E-02	1,800,000	4.0E-08
4,6-Dinitro-2-methylphenol	534-52-1	9.7E-02	200	4.9E-04
4-Aminobyphenyl	92-67-1	1.1E-01	490	2.3E-04
4-Ethyltoluene	622-96-8	5.4E-02	12,000	4.5E-06
Acenaphthene	83-32-9	5.6E-03	3,600	1.6E-06
Acenaphthylene	208-96-8	3.2E-02	10,000	3.2E-06
Acetaldehyde	75-07-0	9.5E-01	470	2.0E-03
Acetone	67-64-1	2.5E-01	470,000	5.2E-07
Acetonitrile	75-05-8	1.9E-01	22,000	8.8E-06
Acetophenone	98-86-2	2.7E-02	10,000	2.7E-06
Acrylonitrile	107-13-1	1.6E-01	10,000	1.6E-05
Aluminum	7429-90-5	4.0E+02	3,000	1.3E-01
Aniline	62-53-3	8.2E-02	30,000	2.7E-06
Anthracene	120-12-7	1.3E-03	270	4.9E-06
Antimony	7440-36-0	3.0E-01	500	5.9E-04
Arsenic	7440-38-2	5.6E-03	0.20	2.8E-02
Barium	7440-39-3	3.9E-03	1,500	2.6E-06
Benzaldehyde	100-52-7	3.9E-01	17,000	2.3E-05
Benzene	71-43-2	1.2E+00	27	4.5E-02
Benzo(a)anthracene	56-55-3	6.0E-03	1,200	5.0E-06
Benzo(a)pyrene	50-32-8	7.8E-04	600	1.3E-06

Table G-9:
All Sources - Acute HQ's and HI - Daycare Child Scenario

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient
Benzo(b)fluoranthene	205-99-2	1.2E-02	31	3.8E-04
Benzo(g,h,i)perylene	191-24-2	4.6E-03	30,000	1.5E-07
Benzo(k)fluoranthene	207-08-9	1.2E-02	19	6.2E-04
Benzoic acid	65-85-0	6.4E-01	2,800	2.3E-04
Benzyl alcohol	100-51-6	7.9E-03	130,000	6.1E-08
Benzyl chloride	100-44-7	5.8E-03	240	2.4E-05
Bis(2-chlorethyl)ether	111-44-4	6.3E-03	58,000	1.1E-07
Bis(2-chloroethoxy)methane	111-91-1	5.6E-03	920	6.1E-06
Bromodichloromethane	75-27-4	8.0E-03	260	3.1E-05
Bromoform	75-25-2	1.3E-02	15,000	8.9E-07
Bromophenyl-phenylether, 4-	101-55-3	5.6E-03	290	1.9E-05
Butylbenzylphthalate	85-68-7	1.5E-03	15,000	1.0E-07
Cadmium	7440-43-9	4.8E-04	100	4.8E-06
Carbazole	86-74-8	7.2E-03	660	1.1E-05
Carbon disulfide	75-15-0	1.0E-01	6,200	1.6E-05
Carbon tetrachloride	56-23-5	1.5E-01	1,900	8.1E-05
Chlorine	7782-50-5	1.2E+02	210	5.7E-01
Chloro-3-methylphenol, 4-	59-50-7	6.9E-03	5,500	1.3E-06
Chloroacetonitrile	107-14-2	1.1E-02	9,000	1.3E-06
Chloroaniline, p-	106-47-8	1.6E-03	2,200	7.2E-07
Chlorobenzene	108-90-7	2.6E-02	46,000	5.6E-07
Chloroethane	75-00-3	4.5E-03	260,000	1.7E-08
Chloroform (Trichloromethane)	67-66-3	6.2E-02	150	4.2E-04
Chloronaphthalene,2-	91-58-7	5.6E-03	600	9.3E-06
Chlorophenol, 2-	95-57-8	2.0E-02	1,300	1.5E-05
Chromium III	7440-47-3	1.1E-01	1,500	7.4E-05
Chromium, hexavalent	18540-29-9	9.1E-02	89	1.0E-03
Chrysene	218-01-9	7.4E-03	600	1.2E-05
Cis-1,3-dichloropropene	10062-01-5	1.3E-02	600	2.2E-05
cis-2-Butene	590-18-1	1.7E-02	150,000,000	1.2E-10
Cobalt	7440-48-4	1.2E-03	180	6.7E-06
Copper	7440-50-8	2.5E-01	100	2.5E-03
Cresol, m-	108-39-4	1.3E-03	20,000	6.6E-08
Cresol, o-	95-48-7	3.4E-02	20,000	1.7E-06
Cresol, p-	106-44-5	1.3E-03	20,000	6.6E-08
Crotonaldehyde	4170-30-3	3.3E-02	540	6.1E-05
Cumene	98-82-8	4.3E-03	250,000	1.7E-08
Cyclohexane	110-82-7	2.6E-02	340,000	7.5E-08
Dibenz(a,h)anthracene	53-70-3	1.0E-03	34	3.1E-05
Dibenzofuran	132-64-9	5.6E-03	30,000	1.9E-07
Dibromochloromethane	124-48-1	9.0E-03	7,400	1.2E-06
Dichlorobenzene, 1,2-	95-50-1	5.7E-03	300,000	1.9E-08
Dichlorobenzene, 1,3-	541-73-1	6.4E-03	16,000	4.0E-07
Dichlorobenzene,1,4-	106-46-7	5.9E-03	60,000	9.9E-08

Table G-9:
All Sources - Acute HQ's and HI - Daycare Child Scenario

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient
Dichloroethane 1,1-	75-34-3	3.3E-03	650,000	5.0E-09
Dichloroethane, 1,2	107-06-2	5.5E-03	200,000	2.8E-08
Dichloroethylene 1,1-	75-35-4	4.4E-03	180,000	2.4E-08
Dichloroethylene, cis-1,2-	156-59-2	1.2E-03	560,000	2.2E-09
Dichloroethylene-1,2 (trans)	156-60-5	7.4E-03	1,100,000	6.7E-09
Dichlorophenol, 2,4-	120-83-2	9.5E-03	1,300	7.3E-06
Dichloropropane, 1,2-	78-87-5	3.8E-03	140,000	2.7E-08
Diethyl phthalate	84-66-2	8.2E-03	5,000	1.6E-06
Dimethyl phthalate	131-11-3	5.6E-03	15,000	3.7E-07
Dimethylphenol, 2,4-	105-67-9	7.1E-02	4,500	1.6E-05
Di-n-butyl phthalate	84-74-2	1.1E-01	15,000	7.5E-06
Dinitrobenzene, 1,3-	99-65-0	5.8E-03	1,000	5.8E-06
Dinitrophenol, 2,4-	51-28-5	2.5E-01	220	1.1E-03
Dinitrotoluene, 2,4-	121-14-2	5.6E-03	600	9.3E-06
Dinitrotoluene, 2,6-	606-20-2	5.8E-03	600	9.6E-06
Di-n-octylphthalate	117-84-0	3.8E-02	6,800	5.6E-06
Dioxane, 1,4-	123-91-1	6.5E-03	3,000	2.2E-06
Diphenylamine	122-39-4	5.6E-03	30,000	1.9E-07
Ethyl methacrylate	97-63-2	1.6E-02	13,000	1.3E-06
Ethylbenzene	100-41-4	1.1E-01	140,000	8.0E-07
Ethylene Dibromide	106-93-4	9.1E-03	130,000	7.0E-08
Ethylether	60-29-7	2.6E-02	1,500,000	1.7E-08
Ethylhexyl phthalate, bis-2-	117-81-7	1.2E-02	10,000	1.2E-06
Fluoranthene	206-44-0	2.7E-02	1,500	1.8E-05
Fluorene	86-73-7	6.7E-03	6,600	1.0E-06
Formaldehyde	50-00-0	4.8E-01	55	8.7E-03
HeptaCDD, 1,2,3,4,6,7,8-	35822-46-9	3.0E-07	3	9.8E-08
HeptaCDF, 1,2,3,4,6,7,8-	67562-39-4	7.4E-06	45	1.7E-07
HeptaCDF, 1,2,3,4,7,8,9-	55673-89-7	1.9E-06	60	3.2E-08
HexaCDD, 1,2,3,4,7,8-	39227-28-6	3.6E-08	0.07	4.8E-07
HexaCDD, 1,2,3,6,7,8-	57653-85-7	9.1E-08	0.75	1.2E-07
HexaCDD, 1,2,3,7,8,9-	19408-74-3	6.2E-08	4	1.6E-08
HexaCDF, 1,2,3,4,7,8-	70648-26-9	2.6E-06	0.07	3.6E-05
HexaCDF, 1,2,3,6,7,8-	57117-44-9	1.6E-06	0.04	4.4E-05
HexaCDF, 1,2,3,7,8,9-	72918-21-9	1.2E-06	30	4.1E-08
HexaCDF, 2,3,4,6,7,8-	60851-34-5	1.9E-06	0.49	3.9E-06
Hexachloro-1,3-butadiene	87-68-3	8.3E-03	11,000	7.5E-07
Hexachlorobenzene	118-74-1	4.8E-02	6	7.9E-03
Hexachlorocyclopentadiene	77-47-4	1.1E-01	110	1.0E-03
Hexachloroethane (Perchloroethane)	67-72-1	6.0E-03	29,000	2.1E-07
Hexachloropropene	1888-71-7	8.1E-03	905	8.9E-06
Hexane	110-54-3	1.0E-01	1,100,000	9.1E-08
Hydrogen chloride	7647-01-0	1.8E+02	2,100	8.7E-02
Indeno(1,2,3-cd) pyrene	193-39-5	4.0E-03	15	2.7E-04

Table G-9:
All Sources - Acute HQ's and HI - Daycare Child Scenario

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient
Isophorone	78-59-1	5.6E-03	23,000	2.4E-07
Lead	7439-92-1	4.1E-01	150	2.8E-03
Manganese	7439-96-5	9.5E-01	3,000	3.2E-04
Mercuric chloride	7487-94-7	5.4E-05	2,700	2.0E-08
Methacrylonitrile	126-98-7	6.0E-02	2,700	2.2E-05
Methyl bromide	74-83-9	1.2E-03	3,900	3.1E-07
Methyl chloride	74-87-3	1.4E-01	210,000	6.8E-07
Methyl ethyl ketone	78-93-3	4.0E-02	13,000	3.1E-06
Methyl isobutyl ketone	108-10-1	8.4E-03	310,000	2.7E-08
Methyl tert-butyl ether	1634-04-4	1.3E-01	180,000	7.4E-07
Methylcyclohexane	108-87-2	1.2E-01	1,600,000	7.7E-08
Methylene chloride	75-09-2	2.5E+00	14,000	1.8E-04
Methylmethacrylate	80-62-6	1.6E-02	70,000	2.3E-07
Naphthalene	91-20-3	9.4E-01	79,000	1.2E-05
Nickel	7440-02-0	5.9E-01	0.20	2.9E+00
Nitroaniline, 2-	88-74-4	5.6E-03	4,800	1.2E-06
Nitroaniline, 3-	99-09-2	2.2E-02	110	2.0E-04
Nitroaniline, 4-	100-01-6	2.2E-02	9,000	2.5E-06
Nitrobenzene	98-95-3	6.4E-03	9,100	7.0E-07
Nitrophenol, 2-	88-75-5	4.8E-02	1,000	4.8E-05
Nitrophenol, 4-	100-02-7	3.7E-02	1,200	3.1E-05
Nitroso-di-n-butylamine, n-	924-16-3	5.6E-03	2,000	2.8E-06
Nitrosodiphenylamine, N-	86-30-6	1.0E-03	1,400	7.1E-07
Nitrosodipropylamine, n-	621-64-7	5.6E-03	2,000	2.8E-06
n-Nitrosodiethylamine	55-18-5	5.6E-03	1,700	3.3E-06
n-Nitrosodimethylamine	62-75-9	5.7E-03	1,700	3.4E-06
n-Nitrosomethylethylamine	10595-95-6	9.3E-03	1,700	5.5E-06
n-Nitrosomorpholine	59-89-2	5.6E-03	74	7.6E-05
OctaCDD, 1,2,3,4,6,7,8,9-	3268-87-9	3.8E-07	3	1.3E-07
OctaCDF, 1,2,3,4,6,7,8,9-	39001-02-0	5.4E-06	75	7.2E-08
o-Tolualdehyde	529-20-4	4.1E-01	17,000	2.4E-05
p-Dimethylaminoazobenzene	60-11-7	5.6E-03	670	8.3E-06
PentaCDD, 1,2,3,7,8-	40321-76-4	6.8E-08	0.10	6.8E-07
PentaCDF, 1,2,3,7,8-	57117-41-6	8.2E-07	0.24	3.4E-06
PentaCDF, 2,3,4,7,8-	57117-31-4	1.6E-06	0.07	2.2E-05
Pentachlorobenzene	608-93-5	5.6E-03	1,600	3.5E-06
Pentachloroethane	76-01-7	7.1E-03	320,000	2.2E-08
Pentachloronitrobenzene	82-68-8	5.9E-03	1,500	4.0E-06
Pentachlorophenol	87-86-5	2.8E-01	1,400	2.0E-04
Perchlorate	14797-73-0	5.0E-03	23	2.2E-04
Phenanthrene	85-01-8	3.2E-02	760	4.3E-05
Phenol	108-95-2	3.0E-02	5,800	5.3E-06
Phosphorous	7723-14-0	1.1E+00	270	4.1E-03
Propanal	123-38-6	5.3E-01	110,000	4.8E-06

Table G-9:
All Sources - Acute HQ's and HI - Daycare Child Scenario

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient
Propylbenzene	103-65-1	4.7E-02	5,400	8.7E-06
Propylene	115-07-1	5.0E-01	860,000	5.8E-07
Pyrene	129-00-0	2.3E-02	150	1.5E-04
Pyridine	110-86-1	8.3E-03	9,700	8.6E-07
Selenium	7782-49-2	1.6E-02	200	8.1E-05
Silver	7440-22-4	1.2E-02	100	1.2E-04
Styrene	100-42-5	1.3E-02	21,000	6.3E-07
TetraCDD, 2,3,7,8-	1746-01-6	2.3E-08	0.00003	7.8E-04
TetraCDF, 2,3,7,8-	51207-31-9	4.1E-07	0.07	5.5E-06
Tetrachlorobenzene, 1,2,4,5-	95-94-3	5.6E-03	240	2.3E-05
Tetrachloroethane, 1,1,2,2-	79-34-5	4.3E-03	7,000	6.1E-07
Tetrachloroethylene	127-18-4	2.6E-02	20,000	1.3E-06
Tetrachlorophenol, 2,3,4,6-	58-90-2	7.3E-03	1,300	5.6E-06
Tetrahydrofuran	109-99-9	9.2E-03	290,000	3.2E-08
Toluene	108-88-3	2.9E-01	37,000	7.7E-06
Toluidine, o-	95-53-4	7.2E-02	8,800	8.1E-06
Trans-1,3-dichloropropene	10061-02-6	6.2E-03	75,000	8.3E-08
trans-2-Butene	624-64-6	7.9E-02	1,000,000	7.9E-08
Trichlorobenzene, 1,2,4-	120-82-1	6.6E-03	3,400	1.9E-06
Trichloroethane, 1,1,1-	71-55-6	2.8E-03	1,300,000	2.1E-09
Trichloroethane, 1,1,2-	79-00-5	7.5E-03	81,000	9.2E-08
Trichloroethylene	79-01-6	9.6E-03	700,000	1.4E-08
Trichlorophenol, 2,4,5-	95-95-4	1.5E-02	7,400	2.0E-06
Trichlorophenol, 2,4,6-	88-06-2	1.3E-02	1,800	7.4E-06
Trimethylbenzene, 1,3,5-	108-67-8	1.9E-01	690,000	2.8E-07
Trinitrobenzene, 1,3,5	99-35-4	5.6E-03	530	1.1E-05
Undecane	1120-21-4	1.2E-01	1,500	8.2E-05
Vinyl Chloride	75-01-4	7.8E-02	180,000	4.3E-07
Xylene, m-	108-38-3	1.1E-01	22,000	5.1E-06
Xylene, o-	95-47-6	1.3E-01	22,000	6.0E-06
Xylene, p-	106-42-3	1.1E-01	22,000	5.1E-06
Zinc	7440-66-6	5.7E-01	1,900	3.0E-04
			Total	**3.8**

Receptor Name	Receptor Type	COPC Name	Chronic Risk	Hazard Quotient
South Plant Main Adm	daycare_child	1,2,3-Trimethylbenzene	0.0E+00	1.8E-08
South Plant Main Adm	daycare_child	1,2,4-Trimethylbenzene	0.0E+00	7.8E-07
South Plant Main Adm	daycare_child	1,4-Diethylbenzene	3.1E-14	1.5E-10
South Plant Main Adm	daycare_child	1-butene	0.0E+00	1.6E-09
South Plant Main Adm	daycare_child	1-chloronapthalene	0.0E+00	1.8E-16
South Plant Main Adm	daycare_child	1-Naphthylamine	1.1E-10	0.0E+00
South Plant Main Adm	daycare_child	2,2,4-trimethylpentane	0.0E+00	2.6E-08
South Plant Main Adm	daycare_child	2,2-dimethylbutane	0.0E+00	1.5E-09
South Plant Main Adm	daycare_child	2,3,4-trimethylpentane	0.0E+00	8.9E-09
South Plant Main Adm	daycare_child	2,3-dimethylbutane	0.0E+00	3.8E-09
South Plant Main Adm	daycare_child	2,3-dimethylpentane	0.0E+00	1.5E-08
South Plant Main Adm	daycare_child	2,4-dimethylpentane	0.0E+00	5.7E-09
South Plant Main Adm	daycare_child	2,5-dimethylbenzaldehyde	0.0E+00	2.2E-13
South Plant Main Adm	daycare_child	2,6-dichlorophenol	0.0E+00	3.0E-13
South Plant Main Adm	daycare_child	2-ethyltoluene	2.1E-14	9.8E-11
South Plant Main Adm	daycare_child	2-hexanone	0.0E+00	1.5E-08
South Plant Main Adm	daycare_child	2-methylhexane	0.0E+00	5.3E-09
South Plant Main Adm	daycare_child	2-methylnaphthalene	0.0E+00	8.4E-13
South Plant Main Adm	daycare_child	2-methylpentane	0.0E+00	1.2E-08
South Plant Main Adm	daycare_child	2-naphthylamine	1.1E-10	0.0E+00
South Plant Main Adm	daycare_child	3-ethyltoluene	2.2E-13	1.0E-09
South Plant Main Adm	daycare_child	3-methylheptane	0.0E+00	3.8E-09
South Plant Main Adm	daycare_child	3-methylhexane	0.0E+00	2.4E-08
South Plant Main Adm	daycare_child	3-methylpentane	0.0E+00	7.7E-09
South Plant Main Adm	daycare_child	4,6-dinitro-2-methylphenol	0.0E+00	1.2E-10
South Plant Main Adm	daycare_child	4-aminobyphenyl	1.2E-09	0.0E+00
South Plant Main Adm	daycare_child	4-ethyltoluene	2.5E-13	1.2E-09
South Plant Main Adm	daycare_child	Acenaphthene	0.0E+00	5.7E-10
South Plant Main Adm	daycare_child	acenaphthylene	0.0E+00	1.5E-13
South Plant Main Adm	daycare_child	Acetaldehyde	3.8E-12	2.3E-06
South Plant Main Adm	daycare_child	Acetone	0.0E+00	1.7E-10
South Plant Main Adm	daycare_child	Acetonitrile	0.0E+00	6.9E-08
South Plant Main Adm	daycare_child	Acetophenone	0.0E+00	1.7E-09
South Plant Main Adm	daycare_child	Acrylonitrile	2.0E-11	1.7E-06
South Plant Main Adm	daycare_child	aluminum	0.0E+00	1.7E-03
South Plant Main Adm	daycare_child	Aniline	2.4E-13	1.7E-06
South Plant Main Adm	daycare_child	Anthracene	0.0E+00	2.8E-11
South Plant Main Adm	daycare_child	Antimony	0.0E+00	4.5E-06
South Plant Main Adm	daycare_child	Arsenic	4.4E-11	7.9E-06
South Plant Main Adm	daycare_child	Barium	0.0E+00	1.7E-07
South Plant Main Adm	daycare_child	Benzaldehyde	0.0E+00	2.4E-08
South Plant Main Adm	daycare_child	Benzene	1.7E-11	8.7E-07
South Plant Main Adm	daycare_child	Benzo(a)anthracene	6.3E-12	0.0E+00
South Plant Main Adm	daycare_child	Benzo(a)pyrene	8.3E-12	0.0E+00
South Plant Main Adm	daycare_child	Benzo(b)fluoranthene	1.2E-11	0.0E+00
South Plant Main Adm	daycare_child	benzo(g,h,i)perylene	0.0E+00	1.5E-11
South Plant Main Adm	daycare_child	Benzo(k)fluoranthene	1.2E-11	0.0E+00
South Plant Main Adm	daycare_child	Benzoic acid	0.0E+00	9.7E-10
South Plant Main Adm	daycare_child	Benzyl alcohol	0.0E+00	2.3E-15
South Plant Main Adm	daycare_child	Benzyl chloride	5.2E-13	1.2E-07
South Plant Main Adm	daycare_child	Bis(2-chlorethyl)ether	3.8E-12	0.0E+00
South Plant Main Adm	daycare_child	bis(2-chloroethoxy)methane	0.0E+00	2.1E-14
South Plant Main Adm	daycare_child	Bromodichloromethane	5.4E-13	2.4E-09
South Plant Main Adm	daycare_child	Bromoform (Tribromometh	2.7E-14	4.0E-09

Receptor Name	Receptor Type	COPC Name	Chronic Risk	Hazard Quotient
South Plant Main Adm	daycare_child	Bromophenyl-phenylether,	0.0E+00	0.0E+00
South Plant Main Adm	daycare_child	Butylbenzylphthalate	3.9E-15	4.7E-11
South Plant Main Adm	daycare_child	Cadmium	1.6E-12	1.0E-06
South Plant Main Adm	daycare_child	carbazole	5.3E-17	0.0E+00
South Plant Main Adm	daycare_child	Carbon disulfide	0.0E+00	3.0E-09
South Plant Main Adm	daycare_child	Carbon tetrachloride	1.7E-12	3.3E-08
South Plant Main Adm	daycare_child	Chlorine	0.0E+00	1.7E-02
South Plant Main Adm	daycare_child	Chloro-3-methylphenol, 4-	0.0E+00	0.0E+00
South Plant Main Adm	daycare_child	chloroacetonitrile	0.0E+00	4.0E-09
South Plant Main Adm	daycare_child	Chloroaniline, p-	2.3E-18	2.4E-09
South Plant Main Adm	daycare_child	Chlorobenzene	0.0E+00	1.1E-08
South Plant Main Adm	daycare_child	Chloroethane	0.0E+00	9.6E-12
South Plant Main Adm	daycare_child	Chloroform (Trichlorometh	2.6E-12	1.4E-08
South Plant Main Adm	daycare_child	Chloronaphthalene,2-	0.0E+00	4.3E-10
South Plant Main Adm	daycare_child	Chlorophenol, 2-	0.0E+00	2.3E-08
South Plant Main Adm	daycare_child	Chromium	0.0E+00	4.5E-10
South Plant Main Adm	daycare_child	Chromium, hexavalent	7.5E-08	1.9E-05
South Plant Main Adm	daycare_child	Chrysene	7.8E-13	0.0E+00
South Plant Main Adm	daycare_child	cis-1,3-dichloropropene	9.7E-14	1.4E-08
South Plant Main Adm	daycare_child	cis-2-butene	0.0E+00	1.2E-10
South Plant Main Adm	daycare_child	cobalt	2.0E-11	4.3E-06
South Plant Main Adm	daycare_child	copper	0.0E+00	3.0E-13
South Plant Main Adm	daycare_child	Cresol, m-	0.0E+00	4.7E-11
South Plant Main Adm	daycare_child	Cresol, o-	0.0E+00	1.2E-09
South Plant Main Adm	daycare_child	Cresol, p-	0.0E+00	4.7E-11
South Plant Main Adm	daycare_child	crotonaldehyde	3.8E-18	0.0E+00
South Plant Main Adm	daycare_child	Cumene (Isopropylbenzene)	0.0E+00	2.3E-10
South Plant Main Adm	daycare_child	cyclohexane	0.0E+00	9.1E-11
South Plant Main Adm	daycare_child	Dibenz(a,h)anthracene	1.2E-11	0.0E+00
South Plant Main Adm	daycare_child	dibenzofuran	0.0E+00	1.4E-12
South Plant Main Adm	daycare_child	Dibromochloromethane	4.4E-13	2.7E-09
South Plant Main Adm	daycare_child	Dichlorobenzene, 1,2-	0.0E+00	6.1E-10
South Plant Main Adm	daycare_child	Dichlorobenzene, 1,3-	0.0E+00	4.2E-08
South Plant Main Adm	daycare_child	Dichlorobenzene,1,4-	1.2E-13	1.6E-10
South Plant Main Adm	daycare_child	Dichloroethane 1,1-	9.6E-15	1.4E-10
South Plant Main Adm	daycare_child	Dichloroethane, 1,2- (Ethyl	2.6E-13	1.7E-08
South Plant Main Adm	daycare_child	Dichloroethylene 1,1-	0.0E+00	4.7E-10
South Plant Main Adm	daycare_child	Dichloroethylene, cis-1,2-	0.0E+00	2.0E-16
South Plant Main Adm	daycare_child	Dichloroethylene-1,2 (trans)	0.0E+00	2.6E-09
South Plant Main Adm	daycare_child	Dichlorophenol, 2,4-	0.0E+00	1.8E-08
South Plant Main Adm	daycare_child	Dichloropropane, 1,2-	6.9E-14	2.0E-08
South Plant Main Adm	daycare_child	Diethyl phthalate	0.0E+00	2.2E-15
South Plant Main Adm	daycare_child	Dimethyl phthalate	0.0E+00	0.0E+00
South Plant Main Adm	daycare_child	Dimethylphenol, 2,4-	0.0E+00	2.1E-08
South Plant Main Adm	daycare_child	Di-n-butyl phthalate	0.0E+00	6.8E-09
South Plant Main Adm	daycare_child	Dinitrobenzene, 1,3-	0.0E+00	3.5E-07
South Plant Main Adm	daycare_child	Dinitrophenol, 2,4-	0.0E+00	7.5E-07
South Plant Main Adm	daycare_child	Dinitrotoluene, 2,4-	9.1E-13	2.5E-13
South Plant Main Adm	daycare_child	Dinitrotoluene, 2,6-	4.7E-17	1.2E-12
South Plant Main Adm	daycare_child	Di-n-octylphthalate	0.0E+00	5.3E-13
South Plant Main Adm	daycare_child	Dioxane, 1,4-	6.0E-14	4.6E-09
South Plant Main Adm	daycare_child	diphenylamine	0.0E+00	4.3E-13
South Plant Main Adm	daycare_child	Ethyl methacrylate	0.0E+00	1.2E-09
South Plant Main Adm	daycare_child	Ethylbenzene	5.1E-13	2.4E-09

Receptor Name	Receptor Type	COPC Name	Chronic Risk	Hazard Quotient
South Plant Main Adm	daycare_child	Ethylene Dibromide	1.0E-11	2.2E-08
South Plant Main Adm	daycare_child	ethylether	0.0E+00	1.1E-18
South Plant Main Adm	daycare_child	Ethylhexyl phthalate, bis-2-	5.2E-14	1.3E-13
South Plant Main Adm	daycare_child	Fluoranthene	0.0E+00	4.1E-09
South Plant Main Adm	daycare_child	Fluorene	0.0E+00	1.0E-09
South Plant Main Adm	daycare_child	Formaldehyde	1.1E-11	1.0E-06
South Plant Main Adm	daycare_child	HeptaCDD, 1,2,3,4,6,7,8-	1.1E-15	0.0E+00
South Plant Main Adm	daycare_child	HeptaCDF, 1,2,3,4,6,7,8-	2.8E-14	0.0E+00
South Plant Main Adm	daycare_child	HeptaCDF, 1,2,3,4,7,8,9-	7.2E-15	0.0E+00
South Plant Main Adm	daycare_child	HexaCDD, 1,2,3,4,7,8-	1.4E-15	0.0E+00
South Plant Main Adm	daycare_child	HexaCDD, 1,2,3,6,7,8-	2.2E-13	0.0E+00
South Plant Main Adm	daycare_child	HexaCDD, 1,2,3,7,8,9-	1.5E-13	0.0E+00
South Plant Main Adm	daycare_child	HexaCDF, 1,2,3,4,7,8-	9.9E-14	0.0E+00
South Plant Main Adm	daycare_child	HexaCDF, 1,2,3,6,7,8-	6.1E-14	0.0E+00
South Plant Main Adm	daycare_child	HexaCDF, 1,2,3,7,8,9-	4.4E-14	0.0E+00
South Plant Main Adm	daycare_child	HexaCDF, 2,3,4,6,7,8-	7.2E-14	0.0E+00
South Plant Main Adm	daycare_child	Hexachloro-1,3-butadiene (	3.3E-13	1.9E-12
South Plant Main Adm	daycare_child	Hexachlorobenzene	4.0E-11	1.8E-12
South Plant Main Adm	daycare_child	Hexachlorocyclopentadiene	0.0E+00	1.2E-05
South Plant Main Adm	daycare_child	Hexachloroethane (Perchlo	1.2E-13	4.3E-09
South Plant Main Adm	daycare_child	hexachloropropene	1.6E-13	5.7E-09
South Plant Main Adm	daycare_child	hexane	0.0E+00	3.0E-09
South Plant Main Adm	daycare_child	Hydrogen chloride	0.0E+00	1.9E-04
South Plant Main Adm	daycare_child	Indeno(1,2,3-cd) pyrene	4.3E-12	0.0E+00
South Plant Main Adm	daycare_child	Isophorone	2.8E-15	6.0E-11
South Plant Main Adm	daycare_child	Lead	9.1E-12	5.9E-06
South Plant Main Adm	daycare_child	manganese	0.0E+00	4.0E-04
South Plant Main Adm	daycare_child	Mercuric chloride	0.0E+00	1.1E-09
South Plant Main Adm	daycare_child	Mercury	0.0E+00	0.0E+00
South Plant Main Adm	daycare_child	Methacrylonitrile	0.0E+00	4.3E-08
South Plant Main Adm	daycare_child	Methyl bromide (Bromome	0.0E+00	5.2E-09
South Plant Main Adm	daycare_child	Methyl chloride (Chlorome	4.7E-13	3.4E-08
South Plant Main Adm	daycare_child	Methyl ethyl ketone (2-But	0.0E+00	1.7E-10
South Plant Main Adm	daycare_child	Methyl isobutyl ketone	0.0E+00	6.0E-11
South Plant Main Adm	daycare_child	Methyl mercury	0.0E+00	8.4E-13
South Plant Main Adm	daycare_child	methyl tert-butyl ether	6.3E-14	9.4E-10
South Plant Main Adm	daycare_child	methylcyclohexane	0.0E+00	4.4E-10
South Plant Main Adm	daycare_child	Methylene chloride	2.4E-13	8.7E-08
South Plant Main Adm	daycare_child	methymethacrylate	0.0E+00	5.0E-10
South Plant Main Adm	daycare_child	Naphthalene	5.8E-11	6.7E-06
South Plant Main Adm	daycare_child	Nickel	2.8E-10	1.4E-04
South Plant Main Adm	daycare_child	Nitroaniline, 2-	0.0E+00	2.4E-06
South Plant Main Adm	daycare_child	Nitroaniline, 3-	0.0E+00	0.0E+00
South Plant Main Adm	daycare_child	Nitroaniline, 4-	1.6E-18	8.0E-08
South Plant Main Adm	daycare_child	Nitrobenzene	4.7E-13	1.5E-08
South Plant Main Adm	daycare_child	Nitrophenol, 2-	0.0E+00	0.0E+00
South Plant Main Adm	daycare_child	Nitrophenol, 4-	0.0E+00	2.8E-08
South Plant Main Adm	daycare_child	Nitroso-di-n-butylamine, n-	1.6E-11	0.0E+00
South Plant Main Adm	daycare_child	Nitrosodiphenylamine, N-	4.7E-15	0.0E+00
South Plant Main Adm	daycare_child	Nitrosodipropylamine, n-	2.0E-11	0.0E+00
South Plant Main Adm	daycare_child	n-nitrosodiethylamine	2.4E-09	0.0E+00
South Plant Main Adm	daycare_child	n-nitrosodimethylamine	7.7E-10	3.0E-06
South Plant Main Adm	daycare_child	n-nitrosomethylethylamine	1.1E-10	0.0E+00
South Plant Main Adm	daycare_child	n-nitrosomorpholine	2.0E-11	0.0E+00

Receptor Name	Receptor Type	COPC Name	Chronic Risk	Hazard Quotient
South Plant Main Adm	daycare_child	OctaCDD, 1,2,3,4,6,7,8,9-	1.5E-17	0.0E+00
South Plant Main Adm	daycare_child	OctaCDF, 1,2,3,4,6,7,8,9-	2.1E-16	0.0E+00
South Plant Main Adm	daycare_child	o-tolualdehyde	0.0E+00	1.0E-13
South Plant Main Adm	daycare_child	p-dimethylaminoazobenzen	1.3E-11	0.0E+00
South Plant Main Adm	daycare_child	PentaCDD, 1,2,3,7,8-	2.4E-14	0.0E+00
South Plant Main Adm	daycare_child	PentaCDF, 1,2,3,7,8-	1.3E-14	0.0E+00
South Plant Main Adm	daycare_child	PentaCDF, 2,3,4,7,8-	2.7E-13	0.0E+00
South Plant Main Adm	daycare_child	Pentachlorobenzene	0.0E+00	4.3E-08
South Plant Main Adm	daycare_child	pentachloroethane	1.5E-19	0.0E+00
South Plant Main Adm	daycare_child	Pentachloronitrobenzene (P	8.0E-13	1.2E-08
South Plant Main Adm	daycare_child	Pentachlorophenol	2.6E-12	7.0E-12
South Plant Main Adm	daycare_child	perchlorate	0.0E+00	2.8E-13
South Plant Main Adm	daycare_child	Phenanthrene	0.0E+00	0.0E+00
South Plant Main Adm	daycare_child	Phenol	0.0E+00	3.2E-09
South Plant Main Adm	daycare_child	phosphorous	0.0E+00	2.7E-09
South Plant Main Adm	daycare_child	propanal	0.0E+00	1.4E-06
South Plant Main Adm	daycare_child	propylbenzene	0.0E+00	2.5E-09
South Plant Main Adm	daycare_child	propylene	0.0E+00	3.6E-09
South Plant Main Adm	daycare_child	Pyrene	0.0E+00	4.5E-09
South Plant Main Adm	daycare_child	Pyridine	0.0E+00	5.0E-08
South Plant Main Adm	daycare_child	Selenium	0.0E+00	1.7E-08
South Plant Main Adm	daycare_child	Silver	0.0E+00	1.4E-08
South Plant Main Adm	daycare_child	Styrene	0.0E+00	2.8E-10
South Plant Main Adm	daycare_child	TetraCDD, 2,3,7,8-	1.6E-12	1.3E-08
South Plant Main Adm	daycare_child	TetraCDF, 2,3,7,8-	8.1E-15	0.0E+00
South Plant Main Adm	daycare_child	Tetrachlorobenzene, 1,2,4,5	0.0E+00	1.1E-07
South Plant Main Adm	daycare_child	Tetrachloroethane, 1,1,2,2-	4.5E-13	4.4E-10
South Plant Main Adm	daycare_child	Tetrachloroethylene (Perchl	1.2E-14	1.4E-08
South Plant Main Adm	daycare_child	Tetrachlorophenol, 2,3,4,6-	0.0E+00	1.4E-09
South Plant Main Adm	daycare_child	Tetrahydrofuran	3.2E-14	9.8E-11
South Plant Main Adm	daycare_child	Toluene	0.0E+00	1.2E-09
South Plant Main Adm	daycare_child	Toluidine, o-	6.7E-12	0.0E+00
South Plant Main Adm	daycare_child	trans-1,3-dichloropropene	4.6E-14	6.6E-09
South Plant Main Adm	daycare_child	trans-2-butene	0.0E+00	2.1E-07
South Plant Main Adm	daycare_child	Trichlorobenzene, 1,2,4-	2.7E-20	7.0E-08
South Plant Main Adm	daycare_child	Trichloroethane, 1,1,1-	0.0E+00	1.2E-11
South Plant Main Adm	daycare_child	Trichloroethane, 1,1,2-	2.2E-13	8.0E-07
South Plant Main Adm	daycare_child	Trichloroethylene	9.3E-14	1.0E-07
South Plant Main Adm	daycare_child	Trichlorophenol, 2,4,5-	0.0E+00	8.8E-10
South Plant Main Adm	daycare_child	Trichlorophenol, 2,4,6-	7.6E-14	9.6E-13
South Plant Main Adm	daycare_child	Trimethylbenzene, 1,3,5-	0.0E+00	4.4E-15
South Plant Main Adm	daycare_child	Trinitrobenzene, 1,3,5 (sym	0.0E+00	1.1E-09
South Plant Main Adm	daycare_child	undecane	0.0E+00	1.3E-08
South Plant Main Adm	daycare_child	Vinyl Chloride	1.2E-12	1.7E-08
South Plant Main Adm	daycare_child	Xylene, m-	0.0E+00	2.4E-08
South Plant Main Adm	daycare_child	Xylene, o-	0.0E+00	2.8E-08
South Plant Main Adm	daycare_child	Xylene, p-	0.0E+00	2.4E-08
South Plant Main Adm	daycare_child	Zinc	0.0E+00	2.3E-09
		Total	8.0E-08	2.0E-02

Table G-11:

M-136 A and M-225 A Acute HQ's and HI Summary of Hazard Indices

Table 1. Acute Hazard Indices			
Receptor	Summed HI all sources [1]	Summed HI for M-136 A and M-225 A[2]	With adjusted Ni and Cr[3]
South Plant Main Adm	3.8	1.9	0.5

[1] The HI presented in this column assume **all sources are active** (worst case, and unrealistic operating conditions) and use the emissions unadjusted for chromium and nickel contributed by the test pans.

[2] These HI are based on using only sources **M136A1, A2, A3 and M225A** (worst case, normal operating conditions) and use the emissions unadjusted for chromium and nickel contributed by the test pans.

[3] These HI are based on using only sources **M136 A1, A2, A3 and M225A** and **adjusted amounts of chromium and nickel**. The adjustment is based on the April 2014 chromium and nickel analytical results from ATK. See Section 10 of the HHRA for more details.

Table G-12:

Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
1,2,3-Trimethylbenzene	526-73-8	4.3E-03	690,000	6.2E-09		2.1E-03	3.1E-09	2.1E-03	3.1E-09
1,2,4-Trimethylbenzene	95-63-6	2.6E-01	690,000	3.7E-07		1.3E-01	1.8E-07	1.3E-01	1.8E-07
1,4-Diethylbenzene	105-05-5	6.9E-03	12,000	5.7E-07		3.4E-03	2.8E-07	3.4E-03	2.8E-07
1-Butene	106-98-9	2.3E-01	1,200,000	1.9E-07		1.1E-01	9.4E-08	1.1E-01	9.4E-08
1-Chloronapthalene	90-13-1	5.6E-03	4,600	1.2E-06		2.8E-03	6.1E-07	2.8E-03	6.1E-07
1-Naphthylamine	134-32-7	1.1E-01	210	5.4E-04		5.6E-02	2.7E-04	5.6E-02	2.7E-04
2,2,4-Trimethylpentane	540-84-1	2.5E-01	14,000,000	1.8E-08		1.2E-01	8.8E-09	1.2E-01	8.8E-09
2,2-Dimethylbutane	75-83-2	1.4E-02	1,800,000	8.0E-09		7.1E-03	4.0E-09	7.1E-03	4.0E-09
2,3,4-Trimethylpentane	565-75-3	8.4E-02	14,000,000	6.0E-09		4.2E-02	3.0E-09	4.2E-02	3.0E-09
2,3-Dimethylbutane	79-29-8	3.6E-02	1,800,000	2.0E-08		1.8E-02	9.9E-09	1.8E-02	9.9E-09
2,3-Dimethylpentane	565-59-3	1.4E-01	1,800,000	8.0E-08		7.1E-02	4.0E-08	7.1E-02	4.0E-08
2,4-Dimethylpentane	108-08-7	5.3E-02	180,000	3.0E-07		2.7E-02	1.5E-07	2.7E-02	1.5E-07
2,5-Dimethylbenzaldehyde	5779-94-2	2.8E-01	17,000	1.6E-05		1.4E-01	8.1E-06	1.4E-01	8.1E-06
2,6-Dichlorophenol	87-65-0	5.6E-03	8,800	6.4E-07		2.8E-03	3.2E-07	2.8E-03	3.2E-07
2-Ethyltoluene	611-14-3	4.6E-03	12,000	3.8E-07		2.3E-03	1.9E-07	2.3E-03	1.9E-07
2-Hexanone	591-78-6	2.0E-02	41,000	5.0E-07		1.0E-02	2.5E-07	1.0E-02	2.5E-07
2-Methylhexane	591-76-4	1.7E-01	1,800,000	9.7E-08		8.7E-02	4.8E-08	8.7E-02	4.8E-08
2-Methylnaphthalene	91-57-6	7.6E-02	3,000	2.5E-05		3.8E-02	1.3E-05	3.8E-02	1.3E-05
2-Methylpentane	107-83-5	1.1E-01	1,800,000	6.3E-08		5.6E-02	3.1E-08	5.6E-02	3.1E-08
2-Naphthylamine	91-59-8	1.1E-01	320	3.5E-04		5.6E-02	1.8E-04	5.6E-02	1.8E-04
3-Ethyltoluene	620-14-4	4.9E-02	12,000	4.1E-06		2.5E-02	2.0E-06	2.5E-02	2.0E-06
3-Methylheptane	589-81-1	3.6E-02	1,400,000	2.6E-08		1.8E-02	1.3E-08	1.8E-02	1.3E-08
3-Methylhexane	589-34-4	2.3E-01	1,800,000	1.3E-07		1.1E-01	6.2E-08	1.1E-01	6.2E-08
3-Methylpentane	96-14-0	7.3E-02	1,800,000	4.0E-08		3.6E-02	2.0E-08	3.6E-02	2.0E-08
4,6-Dinitro-2-methylphenol	534-52-1	9.7E-02	200	4.9E-04		4.9E-02	2.4E-04	4.9E-02	2.4E-04
4-Aminobyphenyl	92-67-1	1.1E-01	490	2.3E-04		5.6E-02	1.1E-04	5.6E-02	1.1E-04
4-Ethyltoluene	622-96-8	5.4E-02	12,000	4.5E-06		2.7E-02	2.3E-06	2.7E-02	2.3E-06
Acenaphthene	83-32-9	5.6E-03	3,600	1.6E-06		2.8E-03	7.8E-07	2.8E-03	7.8E-07
Acenaphthylene	208-96-8	3.2E-02	10,000	3.2E-06		1.6E-02	1.6E-06	1.6E-02	1.6E-06

Table G-12:
Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
Acetaldehyde	75-07-0	9.5E-01	470	2.0E-03		4.7E-01	1.0E-03	4.7E-01	1.0E-03
Acetone	67-64-1	2.5E-01	470,000	5.2E-07		1.2E-01	2.6E-07	1.2E-01	2.6E-07
Acetonitrile	75-05-8	1.9E-01	22,000	8.8E-06		9.7E-02	4.4E-06	9.7E-02	4.4E-06
Acetophenone	98-86-2	2.7E-02	10,000	2.7E-06		1.4E-02	1.4E-06	1.4E-02	1.4E-06
Acrylonitrile	107-13-1	1.6E-01	10,000	1.6E-05		8.2E-02	8.2E-06	8.2E-02	8.2E-06
Aluminum	7429-90-5	4.0E+02	3,000	1.3E-01		2.0E+02	6.7E-02	2.0E+02	6.7E-02
Aniline	62-53-3	8.2E-02	30,000	2.7E-06		4.1E-02	1.4E-06	4.1E-02	1.4E-06
Anthracene	120-12-7	1.3E-03	270	4.9E-06		6.6E-04	2.5E-06	6.6E-04	2.5E-06
Antimony	7440-36-0	3.0E-01	500	5.9E-04		1.5E-01	3.0E-04	1.5E-01	3.0E-04
Arsenic	7440-38-2	5.6E-03	0.20	2.8E-02		2.8E-03	1.4E-02	2.8E-03	1.4E-02
Barium	7440-39-3	3.9E-03	1,500	2.6E-06		2.0E-03	1.3E-06	2.0E-03	1.3E-06
Benzaldehyde	100-52-7	3.9E-01	17,000	2.3E-05		1.9E-01	1.1E-05	1.9E-01	1.1E-05
Benzene	71-43-2	1.2E+00	27	4.5E-02		6.1E-01	2.3E-02	6.1E-01	2.3E-02
Benzo(a)anthracene	56-55-3	6.0E-03	1,200	5.0E-06		3.0E-03	2.5E-06	3.0E-03	2.5E-06
Benzo(a)pyrene	50-32-8	7.8E-04	600	1.3E-06		3.9E-04	6.5E-07	3.9E-04	6.5E-07
Benzo(b)fluoranthene	205-99-2	1.2E-02	31	3.8E-04		5.9E-03	1.9E-04	5.9E-03	1.9E-04
Benzo(g,h,i)perylene	191-24-2	4.6E-03	30,000	1.5E-07		2.3E-03	7.7E-08	2.3E-03	7.7E-08
Benzo(k)fluoranthene	207-08-9	1.2E-02	19	6.2E-04		5.8E-03	3.1E-04	5.8E-03	3.1E-04
Benzoic acid	65-85-0	6.4E-01	2,800	2.3E-04		3.2E-01	1.1E-04	3.2E-01	1.1E-04
Benzyl alcohol	100-51-6	7.9E-03	130,000	6.1E-08		4.0E-03	3.1E-08	4.0E-03	3.1E-08
Benzyl chloride	100-44-7	5.8E-03	240	2.4E-05		2.9E-03	1.2E-05	2.9E-03	1.2E-05
Bis(2-chlorethyl)ether	111-44-4	6.3E-03	58,000	1.1E-07		3.1E-03	5.4E-08	3.1E-03	5.4E-08
Bis(2-chloroethoxy)methane	111-91-1	5.6E-03	920	6.1E-06		2.8E-03	3.0E-06	2.8E-03	3.0E-06
Bromodichloromethane	75-27-4	8.0E-03	260	3.1E-05		4.0E-03	1.5E-05	4.0E-03	1.5E-05
Bromoform	75-25-2	1.3E-02	15,000	8.9E-07		6.6E-03	4.4E-07	6.6E-03	4.4E-07
Bromophenyl-phenylether, 4-	101-55-3	5.6E-03	290	1.9E-05		2.8E-03	9.6E-06	2.8E-03	9.6E-06
Butylbenzylphthalate	85-68-7	1.5E-03	15,000	1.0E-07		7.7E-04	5.1E-08	7.7E-04	5.1E-08
Cadmium	7440-43-9	4.8E-04	100	4.8E-06		2.4E-04	2.4E-06	2.4E-04	2.4E-06
Carbazole	86-74-8	7.2E-03	660	1.1E-05		3.6E-03	5.4E-06	3.6E-03	5.4E-06

Table G-12:
Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
Carbon disulfide	75-15-0	1.0E-01	6,200	1.6E-05		5.0E-02	8.1E-06	5.0E-02	8.1E-06
Carbon tetrachloride	56-23-5	1.5E-01	1,900	8.1E-05		7.7E-02	4.0E-05	7.7E-02	4.0E-05
Chlorine	7782-50-5	1.2E+02	210	5.7E-01		6.0E+01	2.9E-01	6.0E+01	2.9E-01
Chloro-3-methylphenol, 4-	59-50-7	6.9E-03	5,500	1.3E-06		3.5E-03	6.3E-07	3.5E-03	6.3E-07
Chloroacetonitrile	107-14-2	1.1E-02	9,000	1.3E-06		5.6E-03	6.2E-07	5.6E-03	6.2E-07
Chloroaniline, p-	106-47-8	1.6E-03	2,200	7.2E-07		7.9E-04	3.6E-07	7.9E-04	3.6E-07
Chlorobenzene	108-90-7	2.6E-02	46,000	5.6E-07		1.3E-02	2.8E-07	1.3E-02	2.8E-07
Chloroethane	75-00-3	4.5E-03	260,000	1.7E-08		2.2E-03	8.6E-09	2.2E-03	8.6E-09
Chloroform (Trichloromethane)	67-66-3	6.2E-02	150	4.2E-04		3.1E-02	2.1E-04	3.1E-02	2.1E-04
Chloronaphthalene,2-	91-58-7	5.6E-03	600	9.3E-06		2.8E-03	4.7E-06	2.8E-03	4.7E-06
Chlorophenol, 2-	95-57-8	2.0E-02	1,300	1.5E-05		9.8E-03	7.5E-06	9.8E-03	7.5E-06
Chromium III	7440-47-3	1.1E-01	1,500	7.4E-05		5.6E-02	3.7E-05	2.8E-03	1.9E-06
Chromium, hexavalent	18540-29-9	9.1E-02	89	1.0E-03		4.5E-02	5.1E-04	2.3E-03	2.6E-05
Chrysene	218-01-9	7.4E-03	600	1.2E-05		3.7E-03	6.1E-06	3.7E-03	6.1E-06
Cis-1,3-dichloropropene	10062-01-5	1.3E-02	600	2.2E-05		6.6E-03	1.1E-05	6.6E-03	1.1E-05
cis-2-Butene	590-18-1	1.7E-02	150,000,000	1.2E-10		8.7E-03	5.8E-11	8.7E-03	5.8E-11
Cobalt	7440-48-4	1.2E-03	180	6.7E-06		6.1E-04	3.4E-06	6.1E-04	3.4E-06
Copper	7440-50-8	2.5E-01	100	2.5E-03		1.3E-01	1.3E-03	1.3E-01	1.3E-03
Cresol, m-	108-39-4	1.3E-03	20,000	6.6E-08		6.6E-04	3.3E-08	6.6E-04	3.3E-08
Cresol, o-	95-48-7	3.4E-02	20,000	1.7E-06		1.7E-02	8.4E-07	1.7E-02	8.4E-07
Cresol, p-	106-44-5	1.3E-03	20,000	6.6E-08		6.6E-04	3.3E-08	6.6E-04	3.3E-08
Crotonaldehyde	4170-30-3	3.3E-02	540	6.1E-05		1.6E-02	3.0E-05	1.6E-02	3.0E-05
Cumene	98-82-8	4.3E-03	250,000	1.7E-08		2.1E-03	8.6E-09	2.1E-03	8.6E-09
Cyclohexane	110-82-7	2.6E-02	340,000	7.5E-08		1.3E-02	3.8E-08	1.3E-02	3.8E-08
Dibenz(a,h)anthracene	53-70-3	1.0E-03	34	3.1E-05		5.2E-04	1.5E-05	5.2E-04	1.5E-05
Dibenzofuran	132-64-9	5.6E-03	30,000	1.9E-07		2.8E-03	9.3E-08	2.8E-03	9.3E-08
Dibromochloromethane	124-48-1	9.0E-03	7,400	1.2E-06		4.5E-03	6.1E-07	4.5E-03	6.1E-07
Dichlorobenzene, 1,2-	95-50-1	5.7E-03	300,000	1.9E-08		2.9E-03	9.5E-09	2.9E-03	9.5E-09
Dichlorobenzene, 1,3-	541-73-1	6.4E-03	16,000	4.0E-07		3.2E-03	2.0E-07	3.2E-03	2.0E-07

Table G-12:
Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
Dichlorobenzene,1,4-	106-46-7	5.9E-03	60,000	9.9E-08		3.0E-03	4.9E-08	3.0E-03	4.9E-08
Dichloroethane 1,1-	75-34-3	3.3E-03	650,000	5.0E-09		1.6E-03	2.5E-09	1.6E-03	2.5E-09
Dichloroethane, 1,2	107-06-2	5.5E-03	200,000	2.8E-08		2.8E-03	1.4E-08	2.8E-03	1.4E-08
Dichloroethylene 1,1-	75-35-4	4.4E-03	180,000	2.4E-08		2.2E-03	1.2E-08	2.2E-03	1.2E-08
Dichloroethylene, cis-1,2-	156-59-2	1.2E-03	560,000	2.2E-09		6.1E-04	1.1E-09	6.1E-04	1.1E-09
Dichloroethylene-1,2 (trans)	156-60-5	7.4E-03	1,100,000	6.7E-09		3.7E-03	3.3E-09	3.7E-03	3.3E-09
Dichlorophenol, 2,4-	120-83-2	9.5E-03	1,300	7.3E-06		4.7E-03	3.6E-06	4.7E-03	3.6E-06
Dichloropropane, 1,2-	78-87-5	3.8E-03	140,000	2.7E-08		1.9E-03	1.3E-08	1.9E-03	1.3E-08
Diethyl phthalate	84-66-2	8.2E-03	5,000	1.6E-06		4.1E-03	8.2E-07	4.1E-03	8.2E-07
Dimethyl phthalate	131-11-3	5.6E-03	15,000	3.7E-07		2.8E-03	1.9E-07	2.8E-03	1.9E-07
Dimethylphenol, 2,4-	105-67-9	7.1E-02	4,500	1.6E-05		3.5E-02	7.8E-06	3.5E-02	7.8E-06
Di-n-butyl phthalate	84-74-2	1.1E-01	15,000	7.5E-06		5.6E-02	3.7E-06	5.6E-02	3.7E-06
Dinitrobenzene, 1,3-	99-65-0	5.8E-03	1,000	5.8E-06		2.9E-03	2.9E-06	2.9E-03	2.9E-06
Dinitrophenol, 2,4-	51-28-5	2.5E-01	220	1.1E-03		1.2E-01	5.6E-04	1.2E-01	5.6E-04
Dinitrotoluene, 2,4-	121-14-2	5.6E-03	600	9.3E-06		2.8E-03	4.7E-06	2.8E-03	4.7E-06
Dinitrotoluene, 2,6-	606-20-2	5.8E-03	600	9.6E-06		2.9E-03	4.8E-06	2.9E-03	4.8E-06
Di-n-octylphthalate	117-84-0	3.8E-02	6,800	5.6E-06		1.9E-02	2.8E-06	1.9E-02	2.8E-06
Dioxane, 1,4-	123-91-1	6.5E-03	3,000	2.2E-06		3.3E-03	1.1E-06	3.3E-03	1.1E-06
Diphenylamine	122-39-4	5.6E-03	30,000	1.9E-07		2.8E-03	9.3E-08	2.8E-03	9.3E-08
Ethyl methacrylate	97-63-2	1.6E-02	13,000	1.3E-06		8.2E-03	6.3E-07	8.2E-03	6.3E-07
Ethylbenzene	100-41-4	1.1E-01	140,000	8.0E-07		5.6E-02	4.0E-07	5.6E-02	4.0E-07
Ethylene Dibromide	106-93-4	9.1E-03	130,000	7.0E-08		4.5E-03	3.5E-08	4.5E-03	3.5E-08
Ethylether	60-29-7	2.6E-02	1,500,000	1.7E-08		1.3E-02	8.5E-09	1.3E-02	8.5E-09
Ethylhexyl phthalate, bis-2-	117-81-7	1.2E-02	10,000	1.2E-06		5.9E-03	5.9E-07	5.9E-03	5.9E-07
Fluoranthene	206-44-0	2.7E-02	1,500	1.8E-05		1.3E-02	8.9E-06	1.3E-02	8.9E-06
Fluorene	86-73-7	6.7E-03	6,600	1.0E-06		3.3E-03	5.1E-07	3.3E-03	5.1E-07
Formaldehyde	50-00-0	4.8E-01	55	8.7E-03		2.4E-01	4.4E-03	2.4E-01	4.4E-03
HeptaCDD, 1,2,3,4,6,7,8-	35822-46-9	3.0E-07	3	9.8E-08		1.5E-07	4.9E-08	1.5E-07	4.9E-08
HeptaCDF, 1,2,3,4,6,7,8-	67562-39-4	7.4E-06	45	1.7E-07		3.7E-06	8.2E-08	3.7E-06	8.2E-08

Table G-12:
Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
HeptaCDF, 1,2,3,4,7,8,9-	55673-89-7	1.9E-06	60	3.2E-08		9.6E-07	1.6E-08	9.6E-07	1.6E-08
HexaCDD, 1,2,3,4,7,8-	39227-28-6	3.6E-08	0.07	4.8E-07		1.8E-08	2.4E-07	1.8E-08	2.4E-07
HexaCDD, 1,2,3,6,7,8-	57653-85-7	9.1E-08	0.75	1.2E-07		4.5E-08	6.0E-08	4.5E-08	6.0E-08
HexaCDD, 1,2,3,7,8,9-	19408-74-3	6.2E-08	4	1.6E-08		3.1E-08	7.9E-09	3.1E-08	7.9E-09
HexaCDF, 1,2,3,4,7,8-	70648-26-9	2.6E-06	0.07	3.6E-05		1.3E-06	1.8E-05	1.3E-06	1.8E-05
HexaCDF, 1,2,3,6,7,8-	57117-44-9	1.6E-06	0.04	4.4E-05		8.1E-07	2.2E-05	8.1E-07	2.2E-05
HexaCDF, 1,2,3,7,8,9-	72918-21-9	1.2E-06	30	4.1E-08		6.1E-07	2.0E-08	6.1E-07	2.0E-08
HexaCDF, 2,3,4,6,7,8-	60851-34-5	1.9E-06	0.49	3.9E-06		9.6E-07	2.0E-06	9.6E-07	2.0E-06
Hexachloro-1,3-butadiene	87-68-3	8.3E-03	11,000	7.5E-07		4.1E-03	3.8E-07	4.1E-03	3.8E-07
Hexachlorobenzene	118-74-1	4.8E-02	6	7.9E-03		2.4E-02	4.0E-03	2.4E-02	4.0E-03
Hexachlorocyclopentadiene	77-47-4	1.1E-01	110	1.0E-03		5.6E-02	5.1E-04	5.6E-02	5.1E-04
Hexachloroethane (Perchloroethane)	67-72-1	6.0E-03	29,000	2.1E-07		3.0E-03	1.0E-07	3.0E-03	1.0E-07
Hexachloropropene	1888-71-7	8.1E-03	905	8.9E-06		4.0E-03	4.5E-06	4.0E-03	4.5E-06
Hexane	110-54-3	1.0E-01	1,100,000	9.1E-08		5.0E-02	4.5E-08	5.0E-02	4.5E-08
Hydrogen chloride	7647-01-0	1.8E+02	2,100	8.7E-02		9.1E+01	4.3E-02	9.1E+01	4.3E-02
Indeno(1,2,3-cd) pyrene	193-39-5	4.0E-03	15	2.7E-04		2.0E-03	1.3E-04	2.0E-03	1.3E-04
Isophorone	78-59-1	5.6E-03	23,000	2.4E-07		2.8E-03	1.2E-07	2.8E-03	1.2E-07
Lead	7439-92-1	4.1E-01	150	2.8E-03		2.1E-01	1.4E-03	2.1E-01	1.4E-03
Manganese	7439-96-5	9.5E-01	3,000	3.2E-04		4.7E-01	1.6E-04	4.7E-01	1.6E-04
Mercuric chloride	7487-94-7	5.4E-05	2,700	2.0E-08		2.7E-05	1.0E-08	2.7E-05	1.0E-08
Methacrylonitrile	126-98-7	6.0E-02	2,700	2.2E-05		3.0E-02	1.1E-05	3.0E-02	1.1E-05
Methyl bromide	74-83-9	1.2E-03	3,900	3.1E-07		6.1E-04	1.6E-07	6.1E-04	1.6E-07
Methyl chloride	74-87-3	1.4E-01	210,000	6.8E-07		7.1E-02	3.4E-07	7.1E-02	3.4E-07
Methyl ethyl ketone	78-93-3	4.0E-02	13,000	3.1E-06		2.0E-02	1.5E-06	2.0E-02	1.5E-06
Methyl isobutyl ketone	108-10-1	8.4E-03	310,000	2.7E-08		4.2E-03	1.4E-08	4.2E-03	1.4E-08
Methyl tert-butyl ether	1634-04-4	1.3E-01	180,000	7.4E-07		6.6E-02	3.7E-07	6.6E-02	3.7E-07
Methylcyclohexane	108-87-2	1.2E-01	1,600,000	7.7E-08		6.1E-02	3.8E-08	6.1E-02	3.8E-08
Methylene chloride	75-09-2	2.5E+00	14,000	1.8E-04		1.2E+00	8.8E-05	1.2E+00	8.8E-05
Methylmethacrylate	80-62-6	1.6E-02	70,000	2.3E-07		8.2E-03	1.2E-07	8.2E-03	1.2E-07

Table G-12:
Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
Naphthalene	91-20-3	9.4E-01	79,000	1.2E-05		4.7E-01	5.9E-06	4.7E-01	5.9E-06
Nickel	7440-02-0	5.9E-01	0.20	2.9E+00		2.9E-01	1.5E+00	5.0E-03	2.5E-02
Nitroaniline, 2-	88-74-4	5.6E-03	4,800	1.2E-06		2.8E-03	5.8E-07	2.8E-03	5.8E-07
Nitroaniline, 3-	99-09-2	2.2E-02	110	2.0E-04		1.1E-02	1.0E-04	1.1E-02	1.0E-04
Nitroaniline, 4-	100-01-6	2.2E-02	9,000	2.5E-06		1.1E-02	1.2E-06	1.1E-02	1.2E-06
Nitrobenzene	98-95-3	6.4E-03	9,100	7.0E-07		3.2E-03	3.5E-07	3.2E-03	3.5E-07
Nitrophenol, 2-	88-75-5	4.8E-02	1,000	4.8E-05		2.4E-02	2.4E-05	2.4E-02	2.4E-05
Nitrophenol, 4-	100-02-7	3.7E-02	1,200	3.1E-05		1.8E-02	1.5E-05	1.8E-02	1.5E-05
Nitroso-di-n-butylamine, n-	924-16-3	5.6E-03	2,000	2.8E-06		2.8E-03	1.4E-06	2.8E-03	1.4E-06
Nitrosodiphenylamine, N-	86-30-6	1.0E-03	1,400	7.1E-07		5.0E-04	3.6E-07	5.0E-04	3.6E-07
Nitrosodipropylamine, n-	621-64-7	5.6E-03	2,000	2.8E-06		2.8E-03	1.4E-06	2.8E-03	1.4E-06
n-Nitrosodiethylamine	55-18-5	5.6E-03	1,700	3.3E-06		2.8E-03	1.6E-06	2.8E-03	1.6E-06
n-Nitrosodimethylamine	62-75-9	5.7E-03	1,700	3.4E-06		2.8E-03	1.7E-06	2.8E-03	1.7E-06
n-Nitrosomethylethylamine	10595-95-6	9.3E-03	1,700	5.5E-06		4.6E-03	2.7E-06	4.6E-03	2.7E-06
n-Nitrosomorpholine	59-89-2	5.6E-03	74	7.6E-05		2.8E-03	3.8E-05	2.8E-03	3.8E-05
OctaCDD, 1,2,3,4,6,7,8,9-	3268-87-9	3.8E-07	3	1.3E-07		1.9E-07	6.3E-08	1.9E-07	6.3E-08
OctaCDF, 1,2,3,4,6,7,8,9-	39001-02-0	5.4E-06	75	7.2E-08		2.7E-06	3.6E-08	2.7E-06	3.6E-08
o-Tolualdehyde	529-20-4	4.1E-01	17,000	2.4E-05		2.0E-01	1.2E-05	2.0E-01	1.2E-05
p-Dimethylaminoazobenzene	60-11-7	5.6E-03	670	8.3E-06		2.8E-03	4.2E-06	2.8E-03	4.2E-06
PentaCDD, 1,2,3,7,8-	40321-76-4	6.8E-08	0.10	6.8E-07		3.4E-08	3.4E-07	3.4E-08	3.4E-07
PentaCDF, 1,2,3,7,8-	57117-41-6	8.2E-07	0.24	3.4E-06		4.1E-07	1.7E-06	4.1E-07	1.7E-06
PentaCDF, 2,3,4,7,8-	57117-31-4	1.6E-06	0.07	2.2E-05		8.1E-07	1.1E-05	8.1E-07	1.1E-05
Pentachlorobenzene	608-93-5	5.6E-03	1,600	3.5E-06		2.8E-03	1.7E-06	2.8E-03	1.7E-06
Pentachloroethane	76-01-7	7.1E-03	320,000	2.2E-08		3.6E-03	1.1E-08	3.6E-03	1.1E-08
Pentachloronitrobenzene	82-68-8	5.9E-03	1,500	4.0E-06		3.0E-03	2.0E-06	3.0E-03	2.0E-06
Pentachlorophenol	87-86-5	2.8E-01	1,400	2.0E-04		1.4E-01	1.0E-04	1.4E-01	1.0E-04
Perchlorate	14797-73-0	5.0E-03	23	2.2E-04		2.5E-03	1.1E-04	2.5E-03	1.1E-04
Phenanthrene	85-01-8	3.2E-02	760	4.3E-05		1.6E-02	2.1E-05	1.6E-02	2.1E-05
Phenol	108-95-2	3.0E-02	5,800	5.3E-06		1.5E-02	2.6E-06	1.5E-02	2.6E-06

Table G-12:
Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
Phosphorous	7723-14-0	1.1E+00	270	4.1E-03		5.6E-01	2.1E-03	5.6E-01	2.1E-03
Propanal	123-38-6	5.3E-01	110,000	4.8E-06		2.7E-01	2.4E-06	2.7E-01	2.4E-06
Propylbenzene	103-65-1	4.7E-02	5,400	8.7E-06		2.3E-02	4.3E-06	2.3E-02	4.3E-06
Propylene	115-07-1	5.0E-01	860,000	5.8E-07		2.5E-01	2.9E-07	2.5E-01	2.9E-07
Pyrene	129-00-0	2.3E-02	150	1.5E-04		1.1E-02	7.7E-05	1.1E-02	7.7E-05
Pyridine	110-86-1	8.3E-03	9,700	8.6E-07		4.1E-03	4.3E-07	4.1E-03	4.3E-07
Selenium	7782-49-2	1.6E-02	200	8.1E-05		8.1E-03	4.0E-05	8.1E-03	4.0E-05
Silver	7440-22-4	1.2E-02	100	1.2E-04		6.1E-03	6.1E-05	6.1E-03	6.1E-05
Styrene	100-42-5	1.3E-02	21,000	6.3E-07		6.6E-03	3.2E-07	6.6E-03	3.2E-07
TetraCDD, 2,3,7,8-	1746-01-6	2.3E-08	0.00003	7.8E-04		1.2E-08	3.9E-04	1.2E-08	3.9E-04
TetraCDF, 2,3,7,8-	51207-31-9	4.1E-07	0.07	5.5E-06		2.0E-07	2.8E-06	2.0E-07	2.8E-06
Tetrachlorobenzene, 1,2,4,5-	95-94-3	5.6E-03	240	2.3E-05		2.8E-03	1.2E-05	2.8E-03	1.2E-05
Tetrachloroethane, 1,1,2,2-	79-34-5	4.3E-03	7,000	6.1E-07		2.1E-03	3.1E-07	2.1E-03	3.1E-07
Tetrachloroethylene	127-18-4	2.6E-02	20,000	1.3E-06		1.3E-02	6.4E-07	1.3E-02	6.4E-07
Tetrachlorophenol, 2,3,4,6-	58-90-2	7.3E-03	1,300	5.6E-06		3.6E-03	2.8E-06	3.6E-03	2.8E-06
Tetrahydrofuran	109-99-9	9.2E-03	290,000	3.2E-08		4.6E-03	1.6E-08	4.6E-03	1.6E-08
Toluene	108-88-3	2.9E-01	37,000	7.7E-06		1.4E-01	3.9E-06	1.4E-01	3.9E-06
Toluidine, o-	95-53-4	7.2E-02	8,800	8.1E-06		3.6E-02	4.1E-06	3.6E-02	4.1E-06
Trans-1,3-dichloropropene	10061-02-6	6.2E-03	75,000	8.3E-08		3.1E-03	4.2E-08	3.1E-03	4.2E-08
trans-2-Butene	624-64-6	7.9E-02	1,000,000	7.9E-08		3.9E-02	3.9E-08	3.9E-02	3.9E-08
Trichlorobenzene, 1,2,4-	120-82-1	6.6E-03	3,400	1.9E-06		3.3E-03	9.7E-07	3.3E-03	9.7E-07
Trichloroethane, 1,1,1-	71-55-6	2.8E-03	1,300,000	2.1E-09		1.4E-03	1.1E-09	1.4E-03	1.1E-09
Trichloroethane, 1,1,2-	79-00-5	7.5E-03	81,000	9.2E-08		3.7E-03	4.6E-08	3.7E-03	4.6E-08
Trichloroethylene	79-01-6	9.6E-03	700,000	1.4E-08		4.8E-03	6.9E-09	4.8E-03	6.9E-09
Trichlorophenol, 2,4,5-	95-95-4	1.5E-02	7,400	2.0E-06		7.2E-03	9.8E-07	7.2E-03	9.8E-07
Trichlorophenol, 2,4,6-	88-06-2	1.3E-02	1,800	7.4E-06		6.7E-03	3.7E-06	6.7E-03	3.7E-06
Trimethylbenzene, 1,3,5-	108-67-8	1.9E-01	690,000	2.8E-07		9.7E-02	1.4E-07	9.7E-02	1.4E-07
Trinitrobenzene, 1,3,5	99-35-4	5.6E-03	530	1.1E-05		2.8E-03	5.3E-06	2.8E-03	5.3E-06
Undecane	1120-21-4	1.2E-01	1,500	8.2E-05		6.1E-02	4.1E-05	6.1E-02	4.1E-05

Table G-12:

Sources M-136 A and M-225 A, Acute HQs and HI for South Plant Main Admin (Daycare Child), with adjustment for Ni and Cr

COPC Name	CAS Number	Acute Air Conc (ug/m^3)	AIEC (ug/m3)[1]	Hazard Quotient	0.5	Acute Air Conc Adjusted for 126,500 lbs (ug/m^3)	Hazard Quotient	Acute Air Conc Adjusted for 126,500 lbs, Ni and Cr (ug/m^3)	Hazard Quotient
Vinyl Chloride	75-01-4	7.8E-02	180,000	4.3E-07		3.9E-02	2.2E-07	3.9E-02	2.2E-07
Xylene, m-	108-38-3	1.1E-01	22,000	5.1E-06		5.6E-02	2.6E-06	5.6E-02	2.6E-06
Xylene, o-	95-47-6	1.3E-01	22,000	6.0E-06		6.6E-02	3.0E-06	6.6E-02	3.0E-06
Xylene, p-	106-42-3	1.1E-01	22,000	5.1E-06		5.6E-02	2.6E-06	5.6E-02	2.6E-06
Zinc	7440-66-6	5.7E-01	1,900	3.0E-04		2.8E-01	1.5E-04	2.8E-01	1.5E-04
			Total	**3.8**		**Total**	**1.9**	**With adjusted Ni & Cr**	**0.5**

Chromium adjustment factor **0.05**

Nickel adjustment factor **0.017**

Receptor Name	COPC Name	CAS Number	Pathway	Risk	% of total risk before	**Daycare Child total risk before**	linear adjustment to inhalation risk	**Daycare Child total risk after**	% of total risk after adjusting
South Plant Main Adm	Chromium, hexavalent	18540-29-9	cancer risk (inhalation)	7.5E-08	94%	8.0E-08	3.8E-09	**8.5E-09**	44.2%
South Plant Main Adm	Nickel	7440-02-0	cancer risk (inhalation)	2.8E-10	0.4%		4.8E-12		0.06%

Receptor Name	COPC Name	CAS Number	Pathway	HQ	% of total HI before	**Daycare Child total HI before**	linear adjustment to inhalation HQ	**Daycare Child total HI after**	% of total HI after adjusting
South Plant Main Adm	Chromium, hexavalent	18540-29-9	hazard quotient (inhalation)	1.90E-05	0.1%	**2.0E-02**	9.5E-07	**2.0E-02**	0.0%
South Plant Main Adm	Chromium (III)	7440-47-3	hazard quotient (inhalation)	4.50E-10	0.0%		2.3E-11		0.0%
South Plant Main Adm	Nickel	7440-02-0	hazard quotient (inhalation)	1.40E-04	0.7%		2.4E-06		0.01%