LANL Reference (High Explosives, TATB)

See Also:

TRRP Guidance and Forms

Risk Reduction Rule (Chapter 335)

Texas Surface Water Quality Standards

Toxicology and Risk Assessment

Secretary of State, Texas Administrative Code Exit...

TRRP Steering Committee

Texas Risk Reduction Program

30 TAC Chapter 350

The Texas Risk Reduction Program (TRRP) Rule (30 TAC 350) and conforming rule changes were published in the *Texas Register* on September 17, 1999 and became effective on September 23, 1999. The rule establishes response action requirements for the corrective action program areas of the TCEQ.

The downloadable files are available as PDF documents (Help with PDF) or Excel documents (Help with downloading files.)

The main topics on this page include:

- TRRP and LPST Sites
- Determining Which Releases are Subject to TRRP
- TRRP Rule and PCL Tables
- TRRP Guidance and Forms
- Revised Surface Water RBEL table
- Tier 2 PCL Equations
- Ecological Risk Assessment Guidance
- TRRP Software
- TRRP Questions and Answers
- TPH Analytical Methods and Spreadsheets
- Training
- E-mail Notification Service

TRRP and LPST Sites

Releases from petroleum storage tanks reported on or after September 1, 2003 are subject to the TRRP rule. Review these documents Information from the TCEQ Remediation Division on Application of TRRP to LPST Cases and Comparison of 30 TAC 334 and 30 TAC 350: Regulation of LPST Sites under TRRP that describe some important information on the two programs. For additional information on TRRP, refer to the rule and information on this page, and the guidance documents on the TRRP Guidance and Forms page.

Determining Which Releases are Subject to TRRP

The Remediation Division has issued new procedures on Determining Which Releases are Subject to TRRP. This document has been revised to reflect a time period of 60 days (instead of 30 days) from the date of

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release report to complete excavation of affected soil. The report transmitting the excavation results (screening process results) must be submitted to the TCEQ within that expanded 60-day window. At 60 days, the person must either elect to use TRRP without using the screening process, document that the release has passed the screen and therefore is not subject to TRRP, or indicate that the screen failed and the release is subject to TRRP.

Finally, in some instances the release was reported before the implementation of this screening process and therefore the allowable time frame could not be met (originally 30 days, now 60 days). To address this, the agency will accept excavation work initiated prior to November 12, 2003 as complying with the 60-day start time. Beginning November 12, the 60-day clock starts upon notification of a release to the TCEQ.

TRRP Rule

TRRP Rule and Preamble (with errata changes made).

Conforming Rules - Download the portions of other rules, Chapters 37, 327, 331, 332, 333, 334, and 335, that were amended to conform with TRRP.

Texas Register Errata - These changes were filed with and accepted by the Texas Register (see 24 TXREG 9092 - 9093, October 15, 1999). The copy of the rule you previously downloaded may already have these errata.

Unofficial Errata - Errata to Figure 30 TAC §350.75(b)(1). This errata is not updated in the *Texas Register* as it was not realized until after the deadline for reporting errata to the *Texas Register*.

PCL Tables

The following file includes the Tier 1 PCL Tables, Toxicity Factors table, and Chemical Properties table for COCs. The tables have been packaged into a self-extracting zipped file (help with self-extracting files) and are provided in Excel format. Download the Excel version of the Tier 1 PCL tables, updated March 2004. Refer to this November 21, 2002 memo for information on implementing the new arsenic MCL.

If your COC is not listed in the Tier 1 PCL table, you may obtain COC chemical and physical properties information by following the procedure on the How to Request Tier 1 PCLs, Chemical/Physical Properties, and Toxicity Values for COCs page.

As part of the TRRP rule, the agency developed state-wide background concentrations for metals. You may use these values in place of site-specific background concentrations. The Texas Specific Median Background concentrations are found in the TRRP rule at §350.51(m), and are available here for your convenience.

The determination of human health PCLs is not necessary for several essential elements. For more information, refer to the memos on *Evaluation of the Potential Health Impacts of Exposure to Iron, Calcium, Magnesium, Potassium, Sodium, and Phosphorus through Soil Ingestion* and *COCs for which Calculation of a Human Health PCL is not Required*.

Guidance

The TCEQ, in conjunction with stakeholder workgroups, is in the process of developing guidance and forms for use with the TRRP Rule. Publications will be posted on the TRRP Guidance and Forms page as they become available.

Revisions to Surface Water and Sediment Guidance, and to the Surface Water RBEL tables

The agency has recently updated or issued three documents that are discussed in *Determining PCLs for Surface Water and Sediment* (RG-366/TRRP-24) as tools that can be used to derive surface water PCLs/RBELs in particular scenarios. These changes necessitated revisions to TRRP-24. Download a description of the changes along with replacement pages for TRRP-24, or the entire revised TRRP-24 document which reflects these changes along with the agency name change. If you do not already have the companion documents, download the Sediment PCL table and the Surface Water RBEL tables (updated June 11, 2003).

Forms

All the TRRP report forms are available on the Guidance and Forms web page. We appreciate comments on the usability of the forms. If you have comments, please e-mail the Technical Support team. We will make improvements to the forms based on these comments.

Tier 2 PCL Equations

Download this file for the Tier 2 PCL Equations.

Additional Guidance

Memo on "Transition to Texas Risk Reduction Program of projects with portions closed under the 30 TAC 335 Risk Reduction rule"

Ecological Risk Assessment

Through the efforts of a multi-stakeholder ecological workgroup, TCEQ has finalized its Guidance for Conducting Ecological Risk Assessments at Remediation Sites in Texas (1.7MB) to replace all previous interim and

draft version of this document. This guidance provides a detailed description of how to conduct ecological risk assessments (ERAs) using TCEQ's three-tiered approach. It also discusses the interface of the ERA program with the Risk Reduction Rule and the Texas Risk Reduction Program rule, identifies the participation and coordination processes with the Natural Resource Trustee programs, outlines methods for establishing ecologically-protective concentration levels (PCLs) where warranted, and presents ecological risk management options. Case studies, appendices, and attachments are also included for illustrative purposes. Although this guidance applies to all sites within TCEQ's various remediation programs where ERAs are required, it does not supercede any applicable program rules.

Submitted ERAs that are based on earlier versions of this guidance will still be reviewed; however, users should take advantage of the many improvements found in the final guidance. These include: a revised and expanded list of ecological screening benchmarks; a refined list of bioaccumulative chemicals of concern; guidelines for developing final ecological PCLs, and the addition of an "expedited stream evaluation" process for releases into certain surface waters and/or their associated sediments.

This guidance may be periodically updated by the workgroup to address new developments in the ERA field, however, it may be necessary to update the recommended ecological screening benchmarks on a more frequent basis. In this event, these updates will be done apart from the main document and users will be advised through this web site.

Important Note about TRRP Software

Use of Software Programs for TRRP

Private vendors are selling software programs designed to calculate protective concentration levels for TRRP. Much effort and investment has gone into the development of the software and calculation of TRRP PCLs will be made simpler by the use of such tools. TCEQ applauds such initiatives as they support implementation of TRRP. However, the TCEQ is receiving Affected Property Assessment Reports (APAR) where it appears that the software is being improperly relied upon as a sole measure of compliance. Users of the software need to be aware of several things.

First, the software, when used properly in the context of TRRP rule and policy will facilitate compliance with TRRP. However, the user must exercise responsible use of the software in order for TRRP compliance to be achieved.

Second, agency rules and policies must be complied with. The software and associated manuals do not supercede either the TRRP rule or TRRP policy. TCEQ is confident that great care has been exercised in the preparation of the software to make the PCL calculations compliant with TRRP rule and policy. However, if there are any instances where the

software and TRRP rule or policy are in conflict, the TRRP rule or policy sets the compliance requirement.

Third, use of the software does not guarantee full compliance with the TRRP rule. The PCL calculations results must be submitted in the APAR format. If the software output reports are not in the same format as the APAR forms, then the results will need to be transferred into the APAR format prior to submission to TCEQ. Further, when Tier 2 or 3 PCLs are developed, the input values must be specifically identified in the APAR and the basis of those values must be provided and demonstrated to be appropriate for the affected property. The results calculated from the software, albeit they may be mathematically correct, are inappropriate for use when the input values are not representative of conditions at the affected property. Therefore, the basis and appropriateness of the input values must be substantiated and will be reviewed by the TCEQ.

Fourth, the software is not a TCEQ product and there is not blanket TCEQ approval of all results from use of the software.

TRRP Questions and Answers

Based on inquiries from staff and other persons interested in the TRRP rule, we have compiled questions and associated answers into a document for your use. However, this information is **not** intended to cover all aspects of the TRRP rule. Please review the TRRP rule and preamble first for answers to your questions. If you still need assistance, you may contact your project manager or the Technical Support Section.

This document is the compilation of TRRP Questions and Answers, dated June 22, 2001. Additional Questions and Answers are available in this March 2004 update.

The questions are arranged in the order of the rule. This document will be updated as needed.

TPH Analytical Methods

Refer to this page for information on the Texas analytical methods for TPH, TCEQ Methods 1005 and 1006.

Spreadsheets for calculating TPH protective concentration levels (PCLs) are available in Excel and QuattroPro. These spreadsheets were updated October 2001.

Training

Mention of non-TCEQ documents or presentations does not constitute a TCEQ endorsement of their contents, only an acknowledgment that they exist and may be relevant to the TRRP audience.

ITRC

The Interstate Technology and Regulatory Coooperation (ITRC) Work Group publishes guidance documents and holds classroom and internet training events on innovative assessment and remediation technologies. For more information on ITRC, see their web page at Exit... www.itrcweb.org.

Web Page Updates

Would you like to receive an e-mail when we update this Web page?

Join our TRRP Info list by sending an e-mail message to join-trrp@listserv.tceq.state.tx.us. In the subject line, type "Join TRRP," and type your name in the body of the message. No other information is needed. Please reply to the automated e-mail asking for confirmation of your request. You will then receive a message confirming you have been signed up to the list. Look for our e-mail notices when we make changes to this Web page or have news about TRRP.

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area													30 acre source area											
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Acenaphthene	83-32-9	3.0E+03	n	2.4E+02	n	2.4E+04	n	> S	---	---	---	---	3.0E+03	n	1.2E+02	n	1.2E+04	n	> S	---	---	---	---	---	---
Acenaphthylene	208-96-8	3.8E+03	n	4.1E+02	n	4.1E+04	n	> S	---	---	---	---	3.8E+03	n	2.0E+02	n	2.0E+04	n	> S	---	---	---	---	---	---
Acetaldehyde	75-07-0	1.4E+02	n	5.0E+00	n	5.0E+02	n	---	1.4E+02	n	4.8E+03	n	---	---	7.3E+01	n	2.5E+00	n	---	2.5E+02	n	---	7.4E+01	n	3.1E+02	n	---	---
Acetic acid*	64-19-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	67-64-1	9.8E+03	n	4.3E+01	n	4.3E+03	n	---	1.1E+04	n	4.9E+05	n	---	---	5.4E+03	n	2.1E+01	n	---	2.1E+03	n	---	5.8E+03	n	3.2E+04	n	---	---
Acetone cyanohydrin	75-86-5	4.5E+01	n	3.8E-02	n	3.8E+00	n	---	2.9E+02	n	4.4E+04	n	---	---	3.9E+01	n	1.9E-02	n	---	1.9E+00	n	---	1.5E+02	n	2.9E+03	n	---	---
Acetonitrile	75-05-8	1.3E+03	n	---	---	---	---	---	1.3E+03	n	6.2E+04	n	---	---	6.7E+02	n	---	---	---	---	---	---	6.7E+02	n	4.0E+03	n	---	---
Acetophenone	98-86-2	2.8E+03	n	8.2E+00	n	8.2E+02	n	---	4.8E+03	n	4.6E+05	n	> S	---	1.8E+03	n	4.1E+00	n	---	4.1E+02	n	---	2.5E+03	n	3.0E+04	n	> S	---
Acetylaminofluorene, 2-	53-96-3	1.2E+00	c	4.5E-03	c	4.5E-01	c	---	1.9E+01	c	1.2E+04	c	> S	---	1.1E+00	c	2.3E-03	c	---	2.3E-01	c	---	9.6E+00	c	9.9E+02	c	> S	---
Acifluorfen, sodium	62476-59-9	7.6E+02	n	2.0E+00	n	2.0E+02	n	---	6.5E+03	n	1.0E+06	n	> S	---	6.9E+02	n	1.0E+00	n	---	1.0E+02	n	---	3.4E+03	n	1.0E+06	n	> S	---
Acridine	260-94-6	2.0E+02	n	7.5E+00	n	7.5E+02	n	---	---	---	---	---	2.0E+02	n	3.8E+00	n	---	3.8E+02	n	---	---	---	---	---	---	---
Acrolein	107-02-8	1.1E+00	n	2.4E-02	n	2.4E+00	n	---	1.1E+00	n	1.4E+02	n	---	---	5.7E-01	n	1.2E-02	n	---	1.2E+00	n	---	5.8E-01	n	8.8E+00	n	---	---
Acrylamide	79-06-1	7.0E-01	c	3.9E-04	c	3.9E-02	c	---	2.1E+00	c	5.6E+02	c	---	---	5.4E-01	c	2.0E-04	c	---	2.0E-02	c	---	1.1E+00	c	3.7E+01	c	---	---
Acrylic acid (propenoic acid)	79-10-7	1.2E+02	n	2.4E+01	n	2.4E+03	n	---	1.2E+02	n	3.0E+04	n	---	---	6.2E+01	n	1.2E+01	n	---	1.2E+03	n	---	6.2E+01	n	1.9E+03	n	---	---
Acrylonitrile	107-13-1	3.6E+00	c	3.3E-03	c	3.3E-01	c	---	5.3E+00	c	1.1E+02	c	---	---	2.2E+00	c	1.7E-03	c	---	1.7E-01	c	---	2.7E+00	c	7.4E+00	c	---	---
Adipic acid (hexanedioic acid)	124-04-9	7.5E+02	n	2.3E+02	n	2.3E+04	n	---	7.5E+02	n	8.0E+05	n	> S	---	3.9E+02	n	1.2E+02	n	---	1.2E+04	n	---	3.9E+02	n	2.9E+05	n	> S	---
Alachlor	15972-60-8	5.9E+01	c	1.9E-02	m	1.9E+00	m	---	---	---	---	---	5.9E+01	c	9.5E-03	m	---	9.5E-01	m	---	---	---	---	---	---	---
Aldicarb	116-06-3	6.7E+01	n	1.8E-02	m	1.8E+00	m	---	---	---	---	---	6.7E+01	n	8.9E-03	m	---	8.9E-01	m	---	---	---	---	---	---	---
Aldicarb sulfone	1646-88-4	6.7E+01	n	1.4E-02	m	1.4E+00	m	---	---	---	---	---	6.7E+01	n	6.9E-03	m	---	6.9E-01	m	---	---	---	---	---	---	---
Aldrin	309-00-2	5.0E-02	c	1.0E-01	c	1.0E+01	c	---	8.3E+00	c	8.5E+03	c	> S	---	5.0E-02	c	5.1E-02	c	---	5.1E+00	c	---	4.3E+00	c	5.5E+02	c	> S	---
Allyl alcohol	107-18-6	1.6E+02	n	2.5E-01	n	2.5E+01	n	---	2.7E+02	n	2.9E+04	n	---	---	1.0E+02	n	1.3E-01	n	---	1.3E+01	n	---	1.4E+02	n	1.9E+03	n	---	---
Allyl chloride	107-05-1	1.5E+01	n	1.0E+00	n	1.0E+02	n	---	1.5E+01	n	3.8E+01	n	---	---	7.8E+00	n	5.1E-01	n	---	5.1E+01	n	---	7.9E+00	n	2.5E+00	n	---	---
Aluminum	7429-90-5	6.5E+04	n	1.7E+05	n	1.0E+06	n	---	---	---	---	---	1.4E+03	6.4E+04	n	8.6E+04	n	---	1.0E+06	n	---	---	---	---	---	---	7.1E+02
Ametryn	834-12-8	6.0E+02	n	7.2E+00	n	7.2E+02	n	---	---	---	---	---	---	6.0E+02	n	3.6E+00	n	---	3.6E+02	n	---	---	---	---	---	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	7.7E-01	c	1.1E-02	c	1.1E+00	c	---	---	---	---	---	---	7.7E-01	c	5.4E-03	c	---	5.4E-01	c	---	---	---	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	19406-51-0	9.8E+00	n	6.7E-02	n	6.7E+00	n	---	8.7E+01	n	4.6E+04	n	> S	---	8.9E+00	n	3.3E-02	n	---	3.3E+00	n	---	4.5E+01	n	3.0E+03	n	> S	---
Amino-4,6-dinitrotoluene, 2-	35572-78-2	1.0E+01	n	9.9E-02	n	9.9E+00	n	---	1.1E+02	n	6.8E+04	n	> S	---	9.3E+00	n	5.0E-02	n	---	5.0E+00	n	---	5.6E+01	n	4.4E+03	n	> S	---
Aminopyridine, 4-	504-24-5	1.3E+00	n	9.5E-04	n	9.5E-02	n	---	3.3E+01	n	9.1E+03	n	---	---	1.2E+00	n	4.7E-04	n	---	4.7E-02	n	---	1.7E+01	n	5.9E+02	n	---	---
Ammonia	7664-41-7	1.5E+03	n	---	---	---	---	---	1.5E+03	n	5.7E+03	n	---	3.1E+00	7.9E+02	n	---	---	---	---	---	---	7.9E+02	n	3.7E+02	n	---	1.6E+00
Ammonium polyphosphate*	68333-79-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	62-53-3	1.0E+02	n	3.7E-01	c	3.7E+01	c	---	1.3E+02	n	2.5E+04	n	---	---	5.9E+01	n	1.8E-01	c	---	1.8E+01	c	---	6.7E+01	n	1.6E+03	n	---	---
Anthracene	120-12-7	1.8E+04	n	6.9E+03	n	> S	6.9E+05	n	> S	---	---	---	---	---	1.8E+04	n	3.4E+03	n	> S	3.4E+05	n	> S	---	---	---	---	---	---
Anthraquinone, 9,10-	84-65-1	1.3E+03	n	2.4E+01	n	> S	2.4E+03	n	> S	---	---	---	---	---	1.3E+03	n	1.2E+01	n	> S	1.2E+03	n	> S	---	---	---	---	---	---
Antimony	7440-36-0	1.5E+01	n	5.4E+00	m	---	5.4E+02	m	---	---	---	---	---	---	1.5E+01	n	2.7E+00	m	---	2.7E+02	m	---	---	---	---	---	---	---
Aramite	140-57-8	1.1E+02	c	---	---	---	---	---	---	---	---	---	---	---	1.1E+02	c	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	2.4E+01	n	5.0E+00	m	---	5.0E+02	m	---	---	---	---	---	---	2.4E+01	n	2.5E+00	m	---	2.5E+02	m	---	---	---	---	---	---	---
Arsine	7784-42-1	7.7E-01	n	---	---	---	---	---	7.7E-01	n	---	---	---	---	3.9E-01	n	---	---	---	---	---	---	3.9E-01	n	---	---	---	---
Asbestos	1332-21-4	2.9E+03	c	---	---	---	---	---	---	---	---	---	---	---	1.5E+03	c	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	1912-24-9	2.1E+01	c	2.5E-02	m	---	2.5E+00	m	---	3.4E+03	n	1.0E+06	n	> S	---	2.1E+01	c	1.2E-02	m	---	1.2E+00	m	---	1.7E+03	n	9.8E+04	n	> S	---
Azinphos-methyl (guthion)	86-50-0	1.0E+02	n	4.4E-01	n	---	4.4E+01	n	> S	---	---	---	---	---	1.0E+02	n	2.2E-01	n	---	2.2E+01	n	> S	---	---	---	---	---	---
Azobenzene	103-33-3	3.7E+01	c	1.8E+01	c	---	1.8E+03	c	---	1.4E+03	c	1.0E+06	c	> S	---	3.6E+01	c	8.8E+00	c	---	8.8E+02	c	---	7.1E+02	c	9.4E+04	c	> S	---
Barium	7440-39-3	2.8E+03	n	4.4E+02	m	---	4.4E+04	m	---	---	---	---	---	---	2.8E+03	n	2.2E+02	m	---	2.2E+04	m	---	---	---	---	---	---	---
Bayleton	43121-43-3	2.0E+03	n	7.4E+00	n	---	7.4E+02	n	> S	---	---	---	---	---	2.0E+03	n	3.7E+00	n	---	3.7E+02	n	> S	---	---	---	---	---	---
Benefin (benfluralin)	1861-40-1	1.9E+04	n	4.9E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	1.9E+04	n	2.4E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Benomyl	17804-35-2	3.3E+03	n	3.1E+00	n	---	3.1E+02	n	> S	---	---	---	---	---	3.3E+03	n	1.5E+00	n	---	1.5E+02	n	> S	---	---	---	---	---	---
Benz-a-anthracene	56-55-3	5.7E+00	c	1.8E+01	c	---	1.8E+03	c	> S	3.7E+03	c	1.0E+06	c	> S	---	5.6E+00	c	8.9E+00	c	---	8.9E+02	c	> S	1.9E+03	c	1.0E+06	c	> S	---
Benzaldehyde	100-52-7	4.5E+02	n	1.1E+01	n	---	1.1E+03	n	---	4.8E+02	n	2.2E+04	n	> S	---	2.4E+02	n	5.3E+00	n	---	5.3E+02	n	---	2.5E+02	n	1.4E+03	n	> S	---
Benzene	71-43-2	3.2E+01	c	2.6E-02	m	---	2.6E+00	m	---	4.6E+01	c	2.6E+02	c	---	---	1.9E+01	c	1.3E-02	m	---	1.3E+00	m	---	2.4E+01	c	1.7E+01	c	---	---
Benzenethiol	108-98-5	7.4E-01	n	6.8E-04	n	---	6.8E-02	n	---	7.7E+00	n	1.3E+02	n	---	---	6.8E-01	n	3.4E-04	n	---	3.4E-02	n	---	3.9E+00	n	8.1E+00	n	---	---
Benzidine	92-87-5	1.5E-02	c	1.1E-05	c	---	1.1E-03	c	---	6.3E-02	c	1.4E+01	c	---	---	1.3E-02	c	5.5E-06	c	---	5.5E-04	c	---	3.2E-02	c	1.2E+00	c	---	---
Benzo-a-pyrene	50-32-8	5.6E-01	c	7.6E+00	m	---	7.6E+02	m	> S	8.5E+02	c	1.0E+06	c	> S	---	5.6E-01	c	3.8E+00	m	---	3.8E+02	m	> S	4.4E+02	c	9.6E+05	c	> S	---
Benzo-b-fluoranthene	205-99-2	5.7E+00	c	6.0E+01	c	---	6.0E+03	c	> S	6.1E+03	c	1.0E+06	c	> S	---	5.7E+00	c	3.0E+01	c	---	3.0E+03	c	> S	3.2E+03	c	1.0E+06	c	> S	---
Benzo-e-pyrene	192-97-2	1.8E+03	n	1.1E+05	n	> S	1.0E+06	n	> S	---	---	---	---	---	1.8E+03	n	5.7E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Benzo-g,h,i-perylene	191-24-2	1.8E+03	n	4.6E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	1.8E+03	n	2.3E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Benzoic acid	65-85-0	6.9E+02	n	1.9E+02	n	---	1.9E+04	n	> S	6.9E+02	n	2.0E+05	n	> S	---	3.5E+02	n	9.5E+01	n	---	9.5E+03	n	> S	3.5E+02	n	1.3E+04	n	> S	---

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area													30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Benzo-k-fluoranthene	207-08-9	5.7E+01	c	6.2E+02	c	> S	6.2E+04	c	> S	1.5E+05	c	1.0E+06	c	> S	---	5.7E+01	c	3.1E+02	c	> S	3.1E+04	c	> S	7.8E+04	c	1.0E+06	c	> S	---
Benzotrichloride	98-07-7	3.6E-01	c	4.2E-03	c	---	4.2E-01	c	---	6.9E+01	n	5.1E+03	n	---	---	3.6E-01	c	2.1E-03	c	---	2.1E-01	c	---	3.5E+01	n	3.3E+02	n	---	---
Benzyl alcohol	100-51-6	6.2E+03	n	1.8E+01	n	---	1.8E+03	n	---	8.9E+03	n	1.0E+06	n	> S	---	3.7E+03	n	8.8E+00	n	---	8.8E+02	n	---	4.6E+03	n	1.4E+05	n	> S	---
Benzyl chloride	100-44-7	3.6E+01	c	5.0E-02	c	---	5.0E+00	c	---	1.5E+02	n	4.6E+03	n	---	---	3.6E+01	c	2.5E-02	c	---	2.5E+00	c	---	7.9E+01	n	3.0E+02	n	---	---
Benzyl dichloride	98-87-3	2.8E+01	c	6.3E-02	c	---	6.3E+00	c	---	1.1E+02	n	4.7E+03	n	---	---	2.8E+01	c	3.2E-02	c	---	3.2E+00	c	---	5.7E+01	n	3.0E+02	n	---	---
Beryllium	7440-41-7	3.8E+01	n	1.8E+00	m	---	1.8E+02	m	---	---	---	---	---	---	---	3.8E+01	n	9.2E-01	m	---	9.2E+01	m	---	---	---	---	---	---	---
Biphenyl, 1,1-	92-52-4	2.5E+02	n	2.5E+02	n	---	2.5E+04	n	> S	2.7E+02	n	4.2E+04	n	> S	---	1.3E+02	n	1.3E+02	n	---	1.3E+04	n	> S	1.4E+02	n	2.7E+03	n	> S	---
Biquinoline, 2,2'-	119-91-5	1.8E+02	n	2.7E+01	n	---	2.7E+03	n	> S	---	---	---	---	---	---	1.8E+02	n	1.3E+01	n	---	1.3E+03	n	> S	---	---	---	---	---	---
Bis (2-chloroethoxy) methane	111-91-1	3.1E+00	c	1.2E-02	c	---	1.2E+00	c	---	1.1E+01	c	1.1E+03	c	---	---	2.5E+00	c	5.9E-03	c	---	5.9E-01	c	---	5.8E+00	c	7.4E+01	c	---	---
Bis (2-chloroethyl) ether	111-44-4	2.2E+00	c	2.1E-03	c	---	2.1E-01	c	---	3.6E+00	c	2.4E+02	c	---	---	1.4E+00	c	1.1E-03	c	---	1.1E-01	c	---	1.8E+00	c	1.5E+01	c	---	---
Bis (2-chloroisopropyl) ether	108-60-1	5.1E+01	c	1.9E-01	c	---	1.9E+01	c	---	2.1E+02	c	1.3E+04	c	---	---	4.1E+01	c	9.5E-02	c	---	9.5E+00	c	---	1.1E+02	c	8.2E+02	c	---	---
Bis (2-chloromethyl) ether	542-88-1	4.8E-03	c	8.2E-06	c	---	8.2E-04	c	---	5.8E-03	c	1.7E-01	c	---	---	2.7E-03	c	4.1E-06	c	---	4.1E-04	c	---	3.0E-03	c	1.1E-02	c	---	---
Bis (2-ethyl-hexyl) phthalate	117-81-7	4.3E+01	c	1.6E+02	m	---	1.6E+04	m	> S	---	---	---	---	---	---	4.3E+01	c	8.2E+01	m	---	8.2E+03	m	> S	---	---	---	---	---	---
Bismuth	7440-69-9	3.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---	3.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---
Bisphenol A	80-05-7	3.2E+03	n	2.9E+01	n	---	2.9E+03	n	---	9.6E+04	n	1.0E+06	n	> S	---	3.1E+03	n	1.5E+01	n	---	1.5E+03	n	---	4.9E+04	n	1.0E+06	n	> S	---
Boron[5]	7440-42-8	7.2E+03	n	---	---	---	---	---	---	---	---	---	---	---	---	7.2E+03	n	---	---	---	---	---	---	---	---	---	---	---	---
Bromobenzene	108-86-1	1.5E+02	n	5.8E+00	n	---	5.8E+02	n	---	1.6E+02	n	4.5E+03	n	> S	---	7.9E+01	n	2.9E+00	n	---	2.9E+02	n	---	8.3E+01	n	2.9E+02	n	> S	---
Bromo-2-chloroethane, 1-	107-04-0	6.2E+02	n	3.5E+00	n	---	3.5E+02	n	---	7.7E+02	n	9.0E+03	n	---	---	3.5E+02	n	1.7E+00	n	---	1.7E+02	n	---	3.9E+02	n	5.8E+02	n	---	---
Bromodichloromethane	75-27-4	9.8E+01	c	6.5E-02	c	---	6.5E+00	c	---	---	---	---	---	---	---	9.8E+01	c	3.3E-02	c	---	3.3E+00	c	---	---	---	---	---	---	---
Bromoform	75-25-2	4.0E+02	c	6.3E-01	c	---	6.3E+01	c	---	8.4E+02	c	2.8E+04	c	> S	---	2.8E+02	c	3.2E-01	c	---	3.2E+01	c	---	4.3E+02	c	1.8E+03	c	> S	---
Bromomethane (methyl bromide)	74-83-9	4.6E+01	n	1.3E-01	n	---	1.3E+01	n	---	7.7E+01	n	1.8E+02	n	---	---	2.9E+01	n	6.5E-02	n	---	6.5E+00	n	---	3.9E+01	n	1.1E+01	n	---	---
Bromophenyl phenylether, 4-	101-55-3	2.8E-01	c	3.5E-01	c	---	3.5E+01	c	---	9.8E+00	c	9.2E+03	c	> S	---	2.7E-01	c	1.8E-01	c	---	1.8E+01	c	---	5.0E+00	c	5.9E+02	c	> S	---
Butadiene, 1,3-	106-99-0	1.2E+01	c	---	---	---	---	---	---	1.2E+01	c	1.2E+01	c	---	---	6.1E+00	c	---	---	---	---	---	---	6.1E+00	c	7.6E-01	c	---	---
Butanal (butyraldehyde)	123-72-8	3.5E+03	n	3.2E+00	n	---	3.2E+02	n	---	1.2E+04	n	3.5E+05	n	> S	---	2.8E+03	n	1.6E+00	n	---	1.6E+02	n	---	6.3E+03	n	2.2E+04	n	> S	---
Butanoic acid (butyric acid)	107-92-6	1.3E+02	n	2.3E+01	n	---	2.3E+03	n	---	1.3E+02	n	3.6E+04	n	---	---	6.6E+01	n	1.2E+01	n	---	1.2E+03	n	---	6.6E+01	n	2.4E+03	n	---	---
Butanol, n-	71-36-3	2.9E+03	n	5.3E+00	n	---	5.3E+02	n	---	4.4E+03	n	4.3E+05	n	> S	---	1.8E+03	n	2.6E+00	n	---	2.6E+02	n	---	2.3E+03	n	2.7E+04	n	> S	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether, EG	111-76-2	3.3E+04	n	2.9E+01	n	---	2.9E+03	n	---	1.0E+06	n	1.0E+06	n	> S	---	3.2E+04	n	1.5E+01	n	---	1.5E+03	n	---	1.0E+06	n	1.0E+06	n	> S	---
Butyl acetate	123-86-4	1.1E+03	n	1.0E+01	n	---	1.0E+03	n	---	1.2E+03	n	3.1E+04	n	> S	---	6.1E+02	n	5.1E+00	n	---	5.1E+02	n	---	6.4E+02	n	2.0E+03	n	> S	---
Butyl acrylate	141-32-2	1.1E+02	n	1.0E+00	n	---	1.0E+02	n	---	1.3E+02	n	3.7E+03	n	---	---	6.2E+01	n	5.2E-01	n	---	5.2E+01	n	---	6.8E+01	n	2.4E+02	n	---	---
Butyl benzyl phthalate	85-68-7	7.3E+03	n	2.7E+03	n	> S	2.7E+05	n	> S	2.5E+04	n	1.0E+06	n	> S	---	5.7E+03	n	1.3E+03	n	> S	1.3E+05	n	> S	1.3E+04	n	1.0E+06	n	> S	---
Butylate	2008-41-5	3.3E+03	n	8.5E+00	n	---	8.5E+02	n	> S	---	---	---	---	---	---	3.3E+03	n	4.3E+00	n	---	4.3E+02	n	> S	---	---	---	---	---	---
Butylbenzene, n-	104-51-8	1.9E+03	n	1.2E+02	n	---	1.2E+04	n	> S	6.6E+03	n	4.5E+05	n	> S	---	1.5E+03	n	6.1E+01	n	---	6.1E+03	n	> S	3.4E+03	n	2.9E+04	n	> S	---
Butylbenzene, sec-	135-98-8	2.1E+03	n	8.5E+01	n	---	8.5E+03	n	> S	5.7E+03	n	3.4E+05	n	> S	---	1.6E+03	n	4.2E+01	n	---	4.2E+03	n	> S	2.9E+03	n	2.2E+04	n	> S	---
Butylbenzene, tert-	98-06-6	1.9E+03	n	1.0E+02	n	---	1.0E+04	n	> S	4.7E+03	n	2.5E+05	n	> S	---	1.4E+03	n	5.0E+01	n	---	5.0E+03	n	> S	2.4E+03	n	1.6E+04	n	> S	---
Butyl ether, n- (dibutyl ether)	142-96-1	1.8E+03	n	4.3E+01	n	---	4.3E+03	n	---	2.3E+03	n	8.9E+04	n	> S	---	1.0E+03	n	2.2E+01	n	---	2.2E+03	n	---	1.2E+03	n	5.8E+03	n	> S	---
Cacodylic acid	75-60-5	2.0E+02	n	1.5E-01	n	---	1.5E+01	n	---	---	---	---	---	---	---	2.0E+02	n	7.4E-02	n	---	7.4E+00	n	---	---	---	---	---	---	---
Cadmium	7440-43-9	5.2E+01	n	1.5E+00	m	---	1.5E+02	m	---	---	---	---	---	---	---	5.2E+01	n	7.5E-01	m	---	7.5E+01	m	---	---	---	---	---	---	---
Calcium*	7440-70-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	105-60-2	3.2E+02	n	4.7E+01	n	---	4.7E+03	n	---	3.3E+02	n	9.3E+04	n	---	---	1.7E+02	n	2.3E+01	n	---	2.3E+03	n	---	1.7E+02	n	6.1E+03	n	---	---
Captan	133-06-2	1.3E+03	c	6.7E+01	c	---	6.7E+03	c	> S	1.1E+04	n	1.0E+06	n	> S	---	1.3E+03	c	3.4E+01	c	---	3.4E+03	c	> S	5.9E+03	n	9.3E+05	n	> S	---
Carbaryl	63-25-2	2.5E+03	n	2.8E+01	n	---	2.8E+03	n	> S	4.0E+03	n	1.0E+06	n	> S	---	1.6E+03	n	1.4E+01	n	---	1.4E+03	n	> S	2.1E+03	n	1.3E+05	n	> S	---
Carbazole	86-74-8	2.3E+02	c	4.6E+00	c	---	4.6E+02	c	> S	---	---	---	---	---	---	2.3E+02	c	2.3E+00	c	---	2.3E+02	c	> S	---	---	---	---	---	---
Carbofuran	1563-66-2	3.1E+01	n	1.2E-01	m	---	1.2E+01	m	---	3.4E+01	n	1.2E+04	n	> S	---	1.6E+01	n	6.2E-02	m	---	6.2E+00	m	---	1.7E+01	n	7.5E+02	n	> S	---
Carbon disulfide	75-15-0	4.6E+03	n	1.4E+01	n	---	1.4E+03	n	---	1.1E+04	n	2.7E+04	n	> S	---	3.3E+03	n	6.8E+00	n	---	6.8E+02	n	---	5.5E+03	n	1.7E+03	n	> S	---
Carbon tetrachloride	56-23-5	1.6E+01	c	6.2E-02	m	---	6.2E+00	m	---	2.4E+01	c	9.8E+01	c	---	---	9.7E+00	c	3.1E-02	m	---	3.1E+00	m	---	1.2E+01	c	6.3E+00	c	---	---
Carbophenothion	786-19-6	8.2E+02	n	1.5E+03	n	---	1.5E+05	n	> S	---	---	---	---	---	---	8.2E+02	n	7.4E+02	n	---	7.4E+04	n	> S	---	---	---	---	---	---
Carbosulfan	55285-14-8	4.3E+02	n	2.5E+02	n	---	2.5E+04	n	> S	---	---	---	---	---	---	4.3E+02	n	1.3E+02	n	---	1.3E+04	n	> S	---	---	---	---	---	---
Carboxin	5234-68-4	6.7E+03	n	8.7E+01	n	---	8.7E+03	n	> S	---	---	---	---	---	---	6.7E+03	n	4.4E+01	n	---	4.4E+03	n	> S	---	---	---	---	---	---
Chloral	75-87-6	6.9E+02	n	5.3E+00	n	---	5.3E+02	n	---	7.5E+02	n	1.8E+05	n	---	---	3.7E+02	n	2.7E+00	n	---	2.7E+02	n	---	3.8E+02	n	1.2E+04	n	---	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	7.5E+02	n	5.2E+00	n	---	5.2E+02	n	---	8.4E+02	n	2.4E+05	n	---	---	4.1E+02	n	2.6E+00	n	---	2.6E+02	n	---	4.3E+02	n	1.6E+04	n	---	---
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	133-90-4	1.0E+03	n	3.8E+00	n	---	3.8E+02	n	---	---	---	---	---	---	---	1.0E+03	n	1.9E+00	n	---	1.9E+02	n	---	---	---	---	---	---	---
Chlordane (technical)	12789-03-6	6.0E+00	c	9.6E+00	m	---	9.6E+02	m	> S	1.2E+03	c	1.0E+06	c	> S	---	5.9E+00	c	4.8E+00	m	---	4.8E+02	m	> S	6.4E+02	c	2.4E+05	c	> S	---
Chlordane, cis- (alpha chlordane)	5103-71-9	1.3E+01	c	7.4E+02	c	---	7.4E+04	c	> S	4.1E+03	c	1.0E+06	c	> S	---	1.3E+01	c	3.7E+02	c	---	3.7E+04	c	> S	2.1E+03	c	1.0E+06	c	> S	---
Chlordane, gamma	57-74-9	7.4E+00	c	4.1E+01	c	---	4.1E+03	c	> S	9.7E+02	c	1.0E+06	c	> S	---	7.3E+00	c	2.1E+01	c	---	2.1E+03	c	> S	5.0E+02	c	1.6E+05	c	> S	---
Chlorfenvinphos	470-90-6	1.4E+01	n	9.1E-01	n	---	9.1E+01	n	---	3.1E+01	n	---	---	---	---	9.6E+00	n	4.6E-01	n	---	4.6E+01	n	---	1.6E+01	n	---	---	---	---
Chloride*	16887-00-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area															30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
Chlorine	7782-50-5	2.3E+01	n	---	---	---	---	2.3E+01	n	---	---	---	1.2E+01	n	---	---	---	---	1.2E+01	n	---	---	---
Chloroaniline, p-	106-47-8	2.2E+02	n	4.5E-01	n	4.5E+01	n	1.4E+03	n	3.1E+05	n	> S	2.0E+02	n	2.2E-01	n	2.2E+01	n	7.4E+02	n	2.0E+04	n	> S	---
Chlorobenzene	108-90-7	5.9E+02	n	1.1E+00	m	1.1E+02	m	9.2E+02	n	1.5E+04	n	> S	3.7E+02	n	5.5E-01	m	5.5E+01	m	4.7E+02	n	9.8E+02	n	> S	---
Chlorobenzilate	510-15-6	1.7E+01	c	1.1E-01	c	1.1E+01	c	3.5E+02	c	2.4E+05	c	> S	1.6E+01	c	5.7E-02	c	5.7E+00	c	1.8E+02	c	1.5E+04	c	> S	---
Chlorobromomethane (bromochloromethane)	74-97-5	6.2E+02	n	3.0E+00	n	3.0E+02	n	7.7E+02	n	7.0E+03	n	---	3.5E+02	n	1.5E+00	n	1.5E+02	n	3.9E+02	n	4.5E+02	n	---	---
Chloro-1,3-butadiene, 2-	126-99-8	1.1E+02	n	---	---	---	---	1.1E+02	n	2.4E+02	n	---	5.5E+01	n	---	---	---	---	5.5E+01	n	1.5E+01	n	---	---
Chlorodifluoromethane	75-45-6	7.7E+05	n	---	---	---	---	7.7E+05	n	8.9E+05	n	---	3.9E+05	n	---	---	---	---	3.9E+05	n	5.8E+04	n	---	---
Chloroethane (ethyl chloride)	75-00-3	2.7E+04	n	3.1E+01	n	3.1E+03	n	1.5E+05	n	3.7E+05	n	> S	2.3E+04	n	1.5E+01	n	1.5E+03	n	7.9E+04	n	2.4E+04	n	> S	---
Chloroethanol, 2-	107-07-3	3.4E+02	n	1.9E+01	n	1.9E+03	n	3.4E+02	n	7.1E+04	n	---	1.8E+02	n	9.7E+00	n	9.7E+02	n	1.8E+02	n	4.6E+03	n	---	---
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	4.5E+00	n	2.9E-03	c	2.9E-01	c	4.6E+00	n	6.8E+01	n	---	2.3E+00	n	1.4E-03	c	1.4E-01	c	2.4E+00	n	4.4E+00	n	---	---
Chloroform	67-66-3	1.6E+01	c	1.0E+00	n	1.0E+02	n	1.6E+01	c	8.3E+01	c	---	8.0E+00	c	5.1E-01	n	5.1E+01	n	8.0E+00	c	5.4E+00	c	---	---
Chlorohexane, 1-	544-10-5	2.7E+03	n	3.9E+01	n	3.9E+03	n	1.5E+04	n	2.9E+05	n	> S	2.3E+03	n	2.0E+01	n	2.0E+03	n	7.9E+03	n	1.9E+04	n	> S	---
Chloromethane (methyl chloride)	74-87-3	1.4E+02	c	4.1E-01	c	4.1E+01	c	2.0E+02	c	2.1E+02	c	---	8.4E+01	c	2.0E-01	c	2.0E+01	c	1.0E+02	c	1.4E+01	c	---	---
Chloro-3-methylphenol, 4-	59-50-7	3.3E+02	n	4.5E+00	n	4.5E+02	n	3.4E+04	n	1.0E+06	n	> S	3.3E+02	n	2.3E+00	n	2.3E+02	n	1.8E+04	n	1.0E+06	n	> S	---
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	4.6E+03	n	7.4E+02	n	7.4E+04	n	> S	---	---	---	---	4.6E+03	n	3.7E+02	n	3.7E+04	n	> S	---	---	---	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	5.0E+03	n	6.7E+02	n	6.7E+04	n	> S	---	---	---	---	5.0E+03	n	3.3E+02	n	3.3E+04	n	> S	---	---	---	---	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	2.6E+02	c	3.2E-01	c	3.2E+01	c	---	---	---	---	---	2.6E+02	c	1.6E-01	c	1.6E+01	c	---	---	---	---	---	---
Chlorophenol, 2-	95-57-8	3.8E+02	n	1.6E+00	n	1.6E+02	n	6.3E+03	n	8.2E+05	n	> S	3.6E+02	n	8.2E-01	n	8.2E+01	n	3.2E+03	n	5.3E+04	n	> S	---
Chlorophenol, 3-	108-43-0	3.2E+02	n	7.8E-01	n	7.8E+01	n	1.3E+04	n	1.0E+06	n	> S	3.2E+02	n	3.9E-01	n	3.9E+01	n	6.5E+03	n	2.4E+05	n	> S	---
Chlorophenol, 4-	106-48-9	3.2E+02	n	8.4E-01	n	8.4E+01	n	1.3E+04	n	1.0E+06	n	> S	3.2E+02	n	4.2E-01	n	4.2E+01	n	6.8E+03	n	2.6E+05	n	> S	---
Chlorophenyl phenylether, 4-	7005-72-3	1.6E-01	c	3.2E-02	c	3.2E+00	c	2.5E+00	c	6.5E+02	c	---	1.5E-01	c	1.6E-02	c	1.6E+00	c	1.3E+00	c	4.2E+01	c	---	---
Chloropropane, 2-	75-29-6	9.4E+02	n	5.4E+00	n	5.4E+02	n	1.5E+03	n	3.5E+03	n	---	6.0E+02	n	2.7E+00	n	2.7E+02	n	7.9E+02	n	2.2E+02	n	---	---
Chloro-2-propanol, 1-	127-00-4	1.6E+03	n	1.1E+00	n	1.1E+02	n	---	---	---	---	---	1.6E+03	n	5.3E-01	n	5.3E+01	n	---	---	---	---	---	---
Chlorothalonil	1897-45-6	4.3E+02	c	8.1E+00	c	8.1E+02	c	---	---	---	---	---	4.3E+02	c	4.1E+00	c	4.1E+02	c	---	---	---	---	---	---
Chlorotoluene, o- (2-chlorotoluene)	95-49-8	1.0E+03	n	9.1E+00	n	9.1E+02	n	4.3E+03	n	1.4E+05	n	> S	8.3E+02	n	4.5E+00	n	4.5E+02	n	2.2E+03	n	9.2E+03	n	> S	---
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	4.8E+00	n	1.1E+01	n	1.1E+03	n	4.8E+00	n	1.7E+02	n	---	2.5E+00	n	5.4E+00	n	5.4E+02	n	2.5E+00	n	1.1E+01	n	---	---
Chlorpyrifos	2921-88-2	9.3E+01	n	1.5E+01	n	1.5E+03	n	> S	3.4E+02	n	3.2E+05	n	> S	---	7.4E+01	n	7.4E+00	n	7.4E+02	n	> S	1.8E+02	n	2.1E+04	n	> S	---
Chromium (III) (total chromium)	16065-83-1/ 7440-47-3	3.0E+04	n	2.4E+03	m	2.4E+05	m	---	---	---	---	---	---	2.3E+04	n	1.2E+03	m	---	1.2E+05	m	---	---	---	---	---	---
Chromium (VI)	18540-29-9	1.2E+02	n	2.8E+01	m	2.8E+03	m	---	---	---	---	---	---	1.2E+02	n	1.4E+01	m	---	1.4E+03	m	---	---	---	---	---	---
Chrysene	218-01-9	5.6E+02	c	1.5E+03	c	> S	1.5E+05	c	> S	5.9E+05	c	1.0E+06	c	> S	---	5.6E+02	c	7.7E+02	c	> S	7.7E+04	c	> S	3.0E+05	c	1.0E+06	c	> S	---
Cobalt	7440-48-4	3.4E+03	n	1.3E+03	n	---	1.3E+05	n	---	---	---	---	---	---	2.9E+03	n	6.6E+02	n	---	6.6E+04	n	---	---	---	---	---	---	---
Copolymer acrylamide	69418-26-4	2.8E+00	n	9.4E-03	n	---	9.4E-01	n	---	3.6E+00	n	9.3E+02	n	---	---	1.6E+00	n	4.7E-03	n	---	4.7E-01	n	---	1.8E+00	n	6.2E+01	n	---	---
Copper	7440-50-8	5.5E+02	n	1.0E+03	a	---	1.0E+05	a	---	---	---	---	---	8.0E+02	5.5E+02	n	5.2E+02	a	---	5.2E+04	a	---	---	---	---	---	---	4.0E+02
Coronene	191-07-1	1.3E+02	n	5.6E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	1.3E+02	n	2.8E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Coumaphos	56-72-4	4.3E+02	n	1.1E+02	n	---	1.1E+04	n	> S	---	---	---	---	---	4.3E+02	n	5.5E+01	n	---	5.5E+03	n	> S	---	---	---	---	---	---
Cresol	1319-77-3	1.6E+03	n	6.6E+00	n	---	6.6E+02	n	---	3.0E+03	n	6.7E+05	n	> S	---	1.1E+03	n	3.3E+00	n	---	3.3E+02	n	---	1.5E+03	n	4.3E+04	n	> S	---
Cresol, m- (3-methylphenol)	108-39-4	1.6E+03	n	6.6E+00	n	---	6.6E+02	n	---	3.0E+03	n	6.7E+05	n	> S	---	1.1E+03	n	3.3E+00	n	---	3.3E+02	n	---	1.5E+03	n	4.3E+04	n	> S	---
Cresol, o- (2-methylphenol)	95-48-7	1.5E+03	n	7.1E+00	n	---	7.1E+02	n	---	2.8E+03	n	5.8E+05	n	> S	---	1.0E+03	n	3.6E+00	n	---	3.6E+02	n	---	1.5E+03	n	3.8E+04	n	> S	---
Cresol, p- (4-methylphenol)	106-44-5	3.0E+02	n	6.3E-01	n	---	6.3E+01	n	---	2.8E+03	n	6.1E+05	n	> S	---	2.7E+02	n	3.2E-01	n	---	3.2E+01	n	---	1.5E+03	n	4.0E+04	n	> S	---
Crotonaldehyde	123-73-9	3.2E+00	c	9.5E-04	c	---	9.5E-02	c	---	1.9E+02	n	1.3E+04	n	---	---	3.2E+00	c	4.8E-04	c	---	4.8E-02	c	---	9.9E+01	n	8.1E+02	n	---	---
Cumene (isopropylbenzene)	98-82-8	4.3E+03	n	3.5E+02	n	---	3.5E+04	n	> S	9.2E+03	n	6.2E+05	n	> S	---	3.0E+03	n	1.7E+02	n	---	1.7E+04	n	> S	4.8E+03	n	4.0E+04	n	> S	---
Cyanazine	21725-46-2	5.6E+00	c	4.2E-03	c	---	4.2E-01	c	---	---	---	---	---	---	5.6E+00	c	2.1E-03	c	---	2.1E-01	c	---	---	---	---	---	---	---
Cyanide	57-12-5	1.6E+03	n	4.0E+01	m	---	4.0E+03	m	---	---	---	---	---	---	1.6E+03	n	2.0E+01	m	---	2.0E+03	m	---	---	---	---	---	---	---
Cyanogen	460-19-5	2.9E+02	n	2.4E+00	n	---	2.4E+02	n	---	3.2E+02	n	4.8E+02	n	---	---	1.6E+02	n	1.2E+00	n	---	1.2E+02	n	---	1.7E+02	n	3.1E+01	n	---	---
Cycloate	1134-23-2	3.7E+03	n	1.5E+02	n	---	1.5E+04	n	> S	---	---	---	---	---	3.7E+03	n	7.6E+01	n	---	7.6E+03	n	> S	---	---	---	---	---	---
Cyclohexane	110-82-7	7.5E+04	n	5.9E+03	n	> S	5.9E+05	n	> S	9.2E+04	n	2.9E+05	n	> S	---	4.2E+04	n	2.9E+03	n	> S	2.9E+05	n	> S	4.7E+04	n	1.8E+04	n	> S	---
Cyclohexanol	108-93-0	2.9E+04	n	2.9E+02	n	> S	2.9E+04	n	> S	3.1E+04	n	1.0E+06	n	> S	---	1.5E+04	n	1.5E+02	n	> S	1.5E+04	n	> S	1.6E+04	n	4.3E+05	n	> S	---
Cyclohexanone	108-94-1	4.9E+03	n	2.6E+02	n	---	2.6E+04	n	---	5.0E+03	n	4.3E+05	n	> S	---	2.6E+03	n	1.3E+02	n	---	1.3E+04	n	---	2.6E+03	n	2.8E+04	n	> S	---
Cyclotetramethylenetetranitramine (HMX)	2691-41-0	3.5E+02	n	2.3E+00	n	---	2.3E+02	n	---	4.5E+02	n	1.0E+06	n	> S	---	2.0E+02	n	1.2E+00	n	---	1.2E+02	n	---	2.3E+02	n	1.0E+06	n	> S	---
Cyclotrimethylenetrinitramine (RDX)	121-82-4	4.3E+01	c	3.7E-02	c	---	3.7E+00	c	---	5.6E+01	n	5.2E+03	n	> S	---	2.5E+01	n	1.8E-02	c	---	1.8E+00	c	---	2.9E+01	n	3.4E+02	n	> S	---
Cymene (isopropyltoluene)	99-87-6	3.7E+03	n	2.3E+02	n	---	2.3E+04	n	> S	6.9E+03	n	4.3E+05	n	> S	---	2.5E+03	n	1.2E+02	n	---	1.2E+04	n	> S	3.5E+03	n	2.8E+04	n	> S	---
Cymoxanil	57966-95-7	8.7E+02	n	6.1E-01	n	---	6.1E+01	n	---	---	---	---	---	---	8.7E+02	n	3.0E-01	n	---	3.0E+01	n	---	---	---	---	---	---	---
Dacthal (DCPA)	1861-32-1	6.2E+02	n	4.5E+02	n	> S	4.5E+04	n	> S	---	---	---	---	---	6.2E+02	n	2.3E+02	n	> S	2.3E+04	n	> S	---	---	---	---	---	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	75-99-0	2.0E+03	n	5.8E-01	m	---	5.8E+01	m	---	---	---	---	---	---	2.0E+03	n	2.9E-01	m	---	2.9E+01	m	---	---	---	---	---	---	---
DDD	72-54-8	1.4E+01	c	1.3E+01	c	---	1.3E+03	c	> S	---	---	---	---	---	1.4E+01	c	6.5E+00	c	---	6.5E+02	c	> S	---	---	---	---	---	---

Last update: March 31, 2004

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area															30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
DDE	72-55-9	1.0E+01	c	1.2E+01	c ---	1.2E+03	c > S	---	---	---	---	---	1.0E+01	c	5.9E+00	c ---	5.9E+02	c > S	---	---	---	---	---
DDT	50-29-3	5.4E+00	c	1.5E+01	c ---	1.5E+03	c > S	1.2E+03	c	1.0E+06	c > S	---	5.4E+00	c	7.4E+00	c ---	7.4E+02	c > S	6.2E+02	c	2.2E+05	c > S	---
Demeton	8065-48-3	2.7E+00	n	1.2E-02	n ---	1.2E+00	n ---	---	---	---	---	---	2.7E+00	n	6.2E-03	n ---	6.2E-01	n ---	---	---	---	---	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	2.7E+03	n	1.9E+00	n ---	1.9E+02	n ---	---	---	---	---	---	2.7E+03	n	9.7E-01	n ---	9.7E+01	n ---	---	---	---	---	---
Diallate	2303-16-4	3.8E+01	c	1.2E+00	c ---	1.2E+02	c ---	---	---	---	---	---	3.8E+01	c	5.8E-01	c ---	5.8E+01	c ---	---	---	---	---	---
Diazinon	333-41-5	3.1E+01	n	1.6E-01	n ---	1.6E+01	n ---	6.5E+01	n	2.9E+04	n > S	---	2.1E+01	n	7.9E-02	n ---	7.9E+00	n ---	3.3E+01	n	1.9E+03	n > S	---
Dibenz-a,h-acridine	226-36-8	3.7E+00	c	5.8E+01	c > S	5.8E+03	c > S	1.5E+04	c	1.0E+06	c > S	---	3.7E+00	c	2.9E+01	c > S	2.9E+03	c > S	7.9E+03	c	1.0E+06	c > S	---
Dibenz-a,h-anthracene	53-70-3	5.5E-01	c	1.5E+01	c ---	1.5E+03	c > S	2.0E+03	c	1.0E+06	c > S	---	5.5E-01	c	7.6E+00	c ---	7.6E+02	c > S	1.0E+03	c	1.0E+06	c > S	---
Dibenz-a,j-acridine	224-42-0	5.8E+00	c	1.1E+02	c > S	1.1E+04	c > S	2.1E+04	c	1.0E+06	c > S	---	5.8E+00	c	5.6E+01	c > S	5.6E+03	c > S	1.1E+04	c	1.0E+06	c > S	---
Dibenzofuran	132-64-9	2.7E+02	n	3.3E+01	n ---	3.3E+03	n > S	---	---	---	---	---	2.7E+02	n	1.7E+01	n ---	1.7E+03	n > S	---	---	---	---	---
Dibenzothiophene	132-65-0	1.9E+02	n	1.0E+02	n ---	1.0E+04	n > S	---	---	---	---	---	1.9E+02	n	5.0E+01	n ---	5.0E+03	n > S	---	---	---	---	---
Dibromochloromethane (chlorodibromomethane)	124-48-1	7.2E+01	c	4.9E-02	c ---	4.9E+00	c ---	---	---	---	---	---	7.2E+01	c	2.5E-02	c ---	2.5E+00	c ---	---	---	---	---	---
Dibromo-3-chloropropane, 1,2-	96-12-8	3.3E+00	c	1.7E-03	m ---	1.7E-01	m ---	8.1E+00	n	2.8E+02	n ---	---	3.3E+00	c	8.7E-04	m ---	8.7E-02	m ---	4.2E+00	n	1.8E+01	n ---	---
Dibromofluoromethane	1868-53-7	1.3E+04	n	1.6E+01	n ---	1.6E+03	n ---	7.7E+04	n	4.2E+05	n > S	---	1.2E+04	n	7.8E+00	n ---	7.8E+02	n ---	3.9E+04	n	2.7E+04	n > S	---
Dicamba	1918-00-9	9.4E+02	n	1.5E+00	n ---	1.5E+02	n ---	1.8E+03	n	6.1E+05	n > S	---	6.3E+02	n	7.3E-01	n ---	7.3E+01	n ---	9.1E+02	n	3.9E+04	n > S	---
Dichlorobenzene, 1,2-	95-50-1	7.2E+02	n	1.8E+01	m ---	1.8E+03	m ---	8.0E+02	n	3.5E+04	n > S	---	3.9E+02	n	8.9E+00	m ---	8.9E+02	m ---	4.1E+02	n	2.2E+03	n > S	---
Dichlorobenzene, 1,3-	541-73-1	1.2E+02	n	6.7E+00	n ---	6.7E+02	n ---	1.2E+02	n	1.7E+03	n > S	---	6.2E+01	n	3.4E+00	n ---	3.4E+02	n ---	6.3E+01	n	1.1E+02	n > S	---
Dichlorobenzene, 1,4-	106-46-7	2.5E+02	c	2.1E+00	m ---	2.1E+02	m ---	1.8E+04	n	7.3E+05	n > S	---	2.5E+02	c	1.1E+00	m ---	1.1E+02	m ---	9.1E+03	n	4.7E+04	n > S	---
Dichlorobenzidine, 3,3-	91-94-1	1.0E+01	c	6.3E-02	c ---	6.3E+00	c ---	---	---	---	---	---	1.0E+01	c	3.1E-02	c ---	3.1E+00	c ---	---	---	---	---	---
Dichlorobutane, 2,3-	7581-97-7	9.5E+01	n	2.6E+00	n ---	2.6E+02	n ---	1.1E+02	n	1.5E+03	n ---	---	5.2E+01	n	1.3E+00	n ---	1.3E+02	n ---	5.5E+01	n	9.9E+01	n ---	---
Dichloro-2-butene, 1,4-	764-41-0	3.2E-01	c	---	--- ---	---	--- ---	3.2E-01	c	1.0E+01	c ---	---	1.6E-01	c	---	--- ---	---	--- ---	1.6E-01	c	6.5E-01	c ---	---
Dichloro-2-butene, 1,4- trans	110-57-6	3.3E-01	c	---	--- ---	---	--- ---	3.3E-01	c	1.1E+01	c ---	---	1.7E-01	c	---	--- ---	---	--- ---	1.7E-01	c	6.9E-01	c ---	---
Dichlorodifluoromethane	75-71-8	1.3E+04	n	2.4E+02	n ---	2.4E+04	n > S	7.6E+04	n	1.5E+05	n > S	---	1.2E+04	n	1.2E+02	n ---	1.2E+04	n > S	3.9E+04	n	9.4E+03	n > S	---
Dichloroethane, 1,1-	75-34-3	3.5E+03	n	9.2E+00	n ---	9.2E+02	n ---	6.1E+03	n	2.7E+04	n > S	---	2.3E+03	n	4.6E+00	n ---	4.6E+02	n ---	3.2E+03	n	1.8E+03	n > S	---
Dichloroethane, 1,2-	107-06-2	1.1E+01	c	1.4E-02	m ---	1.4E+00	m ---	1.4E+01	c	9.1E+01	c ---	---	6.4E+00	c	6.9E-03	m ---	6.9E-01	m ---	7.1E+00	c	5.9E+00	c ---	---
Dichloroethylene, 1,1-	75-35-4	1.8E+03	n	5.0E-02	m ---	5.0E+00	m ---	3.1E+03	n	7.0E+03	n ---	---	1.1E+03	n	2.5E-02	m ---	2.5E+00	m ---	1.6E+03	n	4.5E+02	n ---	---
Dichloroethylene, cis-1,2-	156-59-2	7.7E+02	n	2.5E-01	m ---	2.5E+01	m ---	1.2E+04	n	5.8E+04	n > S	---	7.2E+02	n	1.2E-01	m ---	1.2E+01	m ---	6.3E+03	n	3.7E+03	n > S	---
Dichloroethylene, trans-1,2	156-60-5	1.4E+03	n	4.9E-01	m ---	4.9E+01	m ---	1.2E+04	n	5.0E+04	n > S	---	1.3E+03	n	2.5E-01	m ---	2.5E+01	m ---	6.3E+03	n	3.2E+03	n > S	---
Dichlorophenol, 2,3-	576-24-9	2.0E+02	n	5.4E-01	n ---	5.4E+01	n ---	2.5E+04	n	1.0E+06	n > S	---	2.0E+02	n	2.7E-01	n ---	2.7E+01	n ---	1.3E+04	n	5.3E+05	n > S	---
Dichlorophenol, 2,4-	120-83-2	2.0E+02	n	3.5E-01	n ---	3.5E+01	n ---	1.3E+04	n	1.0E+06	n > S	---	1.9E+02	n	1.8E-01	n ---	1.8E+01	n ---	6.8E+03	n	1.7E+05	n > S	---
Dichlorophenol, 2,5-	583-78-8	2.0E+02	n	5.0E-01	n ---	5.0E+01	n ---	2.4E+04	n	1.0E+06	n > S	---	2.0E+02	n	2.5E-01	n ---	2.5E+01	n ---	1.2E+04	n	5.0E+05	n > S	---
Dichlorophenol, 2,6-	87-65-0	6.5E+01	n	6.9E-02	n ---	6.9E+00	n ---	4.1E+03	n	1.0E+06	n > S	---	6.5E+01	n	3.4E-02	n ---	3.4E+00	n ---	2.1E+03	n	6.6E+04	n > S	---
Dichlorophenol, 3,4-	95-77-2	2.0E+02	n	2.0E+00	n ---	2.0E+02	n ---	5.6E+04	n	1.0E+06	n > S	---	2.0E+02	n	1.0E+00	n ---	1.0E+02	n ---	2.9E+04	n	1.0E+06	n > S	---
Dichlorophenol, 3,5-	591-35-5	2.0E+02	n	1.3E+00	n ---	1.3E+02	n ---	4.5E+04	n	1.0E+06	n > S	---	2.0E+02	n	6.6E-01	n ---	6.6E+01	n ---	2.3E+04	n	1.0E+06	n > S	---
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	4.9E+02	n	2.6E+00	m ---	2.6E+02	m ---	1.4E+03	n	1.0E+06	n > S	---	3.7E+02	n	1.3E+00	m ---	1.3E+02	m ---	7.4E+02	n	8.0E+04	n > S	---
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	5.3E+02	n	3.9E-01	n ---	3.9E+01	n ---	---	---	---	---	---	5.3E+02	n	1.9E-01	n ---	1.9E+01	n ---	---	---	---	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	6.7E+02	n	4.7E-01	n ---	4.7E+01	n ---	---	---	---	---	---	6.7E+02	n	2.3E-01	n ---	2.3E+01	n ---	---	---	---	---	---
Dichloropropane, 1,2-	78-87-5	6.1E+01	n	2.3E-02	m ---	2.3E+00	m ---	6.1E+01	n	5.3E+02	n ---	---	3.1E+01	n	1.1E-02	m ---	1.1E+00	m ---	3.2E+01	n	3.4E+01	n ---	---
Dichloropropane, 1,3-	142-28-9	3.6E+01	c	6.4E-02	c ---	6.4E+00	c ---	9.0E+01	c	1.8E+03	c ---	---	2.6E+01	c	3.2E-02	c ---	3.2E+00	c ---	4.6E+01	c	1.2E+02	c ---	---
Dichloropropane, 2,2-	594-20-7	6.1E+01	n	1.2E-01	c ---	1.2E+01	c ---	6.1E+01	n	5.1E+02	n ---	---	3.1E+01	n	6.0E-02	c ---	6.0E+00	c ---	3.2E+01	n	3.3E+01	n ---	---
Dichloropropanol, 2,3-	616-23-9	2.0E+02	n	2.4E-01	n ---	2.4E+01	n ---	---	---	---	---	---	2.0E+02	n	1.2E-01	n ---	1.2E+01	n ---	---	---	---	---	---
Dichloropropene, 1,1-	563-58-6	3.6E+01	c	1.3E-01	c ---	1.3E+01	c ---	9.0E+01	c	2.8E+02	c ---	---	2.6E+01	c	6.7E-02	c ---	6.7E+00	c ---	4.6E+01	c	1.8E+01	c ---	---
Dichloropropene, 1,3- (mixed isomers)	542-75-6	3.6E+01	c	3.9E-02	c ---	3.9E+00	c ---	9.0E+01	c	7.7E+02	c ---	---	2.6E+01	c	2.0E-02	c ---	2.0E+00	c ---	4.6E+01	c	5.0E+01	c ---	---
Dichloropropene, cis 1,3-	10061-01-5	7.6E+00	n	6.6E-03	c ---	6.6E-01	c ---	1.0E+02	n	9.1E+02	n ---	---	7.1E+00	n	3.3E-03	c ---	3.3E-01	c ---	5.3E+01	n	5.9E+01	n ---	---
Dichloropropene, trans 1,3-	10061-02-6	3.6E+01	c	3.6E-02	c ---	3.6E+00	c ---	9.0E+01	c	7.5E+02	c ---	---	2.6E+01	c	1.8E-02	c ---	1.8E+00	c ---	4.6E+01	c	4.8E+01	c ---	---
Dichlorvos	62-73-7	1.6E+01	c	4.9E+05	c ---	1.0E+06	c ---	1.0E+06	n	1.0E+06	n ---	---	1.6E+01	c	2.4E+05	c ---	1.0E+06	c ---	6.2E+05	n	1.0E+06	n ---	---
Dicrotophos (bidrin)	141-66-2	6.7E+00	n	4.7E-03	n ---	4.7E-01	n ---	---	---	---	---	---	6.7E+00	n	2.3E-03	n ---	2.3E-01	n ---	---	---	---	---	---
Dicyclopentadiene	77-73-6	2.5E+03	n	---	--- ---	---	--- ---	---	---	---	--- ---	---	2.5E+03	n	---	--- ---	---	--- ---	---	---	---	---	---
Dieldrin	60-57-1	1.5E-01	c	4.9E-02	c ---	4.9E+00	c ---	3.2E+01	c	1.1E+05	c > S	---	1.5E-01	c	2.4E-02	c ---	2.4E+00	c ---	1.6E+01	c	7.0E+03	c > S	---
Diethanolamine	111-42-2	3.0E+01	n	2.3E-02	n ---	2.3E+00	n ---	2.8E+02	n	3.0E+05	n ---	---	2.7E+01	n	1.2E-02	n ---	1.2E+00	n ---	1.4E+02	n	1.1E+05	n ---	---
Diethyl phthalate	84-66-2	2.7E+03	n	1.6E+02	n ---	1.6E+04	n > S	2.8E+03	n	1.0E+06	n > S	---	1.4E+03	n	7.8E+01	n ---	7.8E+03	n > S	1.5E+03	n	7.0E+04	n > S	---
Diethylene glycol	111-46-6	1.3E+05	n	9.4E+01	n ---	9.4E+03	n ---	---	---	---	---	---	1.3E+05	n	4.7E+01	n ---	4.7E+03	n ---	---	---	---	---	---
Diethylene glycol monobutyl ether	112-34-5	2.4E+03	n	4.7E+00	n ---	4.7E+02	n ---	4.1E+03	n	1.0E+06	n > S	---	1.5E+03	n	2.4E+00	n ---	2.4E+02	n ---	2.1E+03	n	8.9E+04	n > S	---
Diethylhexyl adipate	103-23-1	3.9E+03	c	6.1E+03	m > S	6.1E+05	m > S	3.2E+04	n	1.0E+06	n > S	---	3.9E+03	c	3.0E+03	m > S	3.0E+05	m > S	1.6E+04	n	1.0E+06	n > S	---
Diethylstilbestrol	56-53-1	7.1E-04	c	5.8E-04	c ---	5.8E-02	c ---	---	---	---	---	---	7.1E-04	c	2.9E-04	c ---	2.9E-02	c ---	---	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	1.9E+03	n	6.1E+02	n ---	6.1E+04	n > S	3.1E+03	n	9.5E+03	n > S	---	1.2E+03	n	3.0E+02	n ---	3.0E+04	n > S	1.6E+03	n	6.1E+02	n > S	---

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area												30 acre source area											
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	5.3E+03	n	1.2E+01	n	1.2E+03	n	1.5E+04	n	1.4E+05	n	> S	---	4.0E+03	n	6.0E+00	n	6.0E+02	n	7.9E+03	n	8.9E+03	n	> S	---
Dimethenamid	87674-68-8	1.0E+03	n	1.0E+00	n	1.0E+02	n	---	---	---	---	---	---	1.0E+03	n	5.2E-01	n	5.2E+01	n	---	---	---	---	---	---
Dimethoate	60-51-5	1.3E+01	n	1.0E-02	n	1.0E+00	n	---	---	---	---	---	---	1.3E+01	n	5.1E-03	n	5.1E-01	n	---	---	---	---	---	---
Dimethoxybenzidine, 3,3'-	119-90-4	3.4E+02	c	2.8E-01	c	2.8E+01	c	---	---	---	---	---	---	3.4E+02	c	1.4E-01	c	1.4E+01	c	---	---	---	---	---	---
Dimethylaminoazobenzene, p-	60-11-7	6.4E-01	n	1.1E+00	n	1.1E+02	n	---	---	---	---	---	---	6.4E-01	n	5.6E-01	n	5.6E+01	n	---	---	---	---	---	---
Dimethylbenz-a-anthracene, 7,12-	57-97-6	1.7E-02	c	1.2E+00	c	1.2E+02	c	---	1.4E+02	c	1.0E+06	c	> S	1.7E-02	c	6.2E-01	c	6.2E+01	c	---	7.3E+01	c	7.3E+05	c	> S	---
Dimethylbenzidine, 3,3'-	119-93-7	5.1E-01	c	9.8E-04	c	9.8E-02	c	---	---	---	---	---	---	5.1E-01	c	4.9E-04	c	4.9E-02	c	---	---	---	---	---	---
Dimethylnaphthalene, 1,3-	575-41-7	2.3E+03	n	7.9E+02	n	7.9E+04	n	> S	---	---	---	---	---	2.3E+03	n	3.9E+02	n	3.9E+04	n	> S	---	---	---	---	---
Dimethyl phenol, 2,4-	105-67-9	1.1E+03	n	3.2E+00	n	3.2E+02	n	---	5.0E+03	n	1.0E+06	n	> S	8.8E+02	n	1.6E+00	n	1.6E+02	n	---	2.6E+03	n	7.0E+04	n	> S	---
Dimethylphenethylamine, alpha, alpha-	122-09-8	1.3E+02	n	3.8E-01	n	3.8E+01	n	---	2.0E+05	n	1.0E+06	n	> S	1.3E+02	n	1.9E-01	n	1.9E+01	n	---	1.0E+05	n	1.0E+06	n	> S	---
Dimethylphthalate	131-11-3	1.3E+03	n	6.2E+01	n	6.2E+03	n	---	1.3E+03	n	3.4E+05	n	> S	6.6E+02	n	3.1E+01	n	3.1E+03	n	---	6.7E+02	n	2.2E+04	n	> S	---
Di-n-butyl phthalate	84-74-2	5.1E+03	n	3.3E+03	n	3.3E+05	n	> S	3.0E+04	n	1.0E+06	n	> S	4.4E+03	n	1.7E+03	n	1.7E+05	n	> S	1.5E+04	n	1.0E+06	n	> S	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	6.5E+00	n	7.6E-03	n	7.6E-01	n	---	2.4E+02	n	5.9E+04	n	> S	6.3E+00	n	3.8E-03	n	3.8E-01	n	---	1.2E+02	n	3.8E+03	n	> S	---
Dinitrobenzene, 1,4-	100-25-4	2.4E+01	n	2.9E-02	n	2.9E+00	n	---	2.7E+02	n	7.7E+04	n	> S	2.2E+01	n	1.4E-02	n	1.4E+00	n	---	1.4E+02	n	5.0E+03	n	> S	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	3.5E+01	n	9.4E-02	n	9.4E+00	n	---	4.7E+01	n	1.6E+04	n	> S	2.1E+01	n	4.7E-02	n	4.7E+00	n	---	2.4E+01	n	1.0E+03	n	> S	---
Dinitrophenol, 2,4-	51-28-5	1.3E+02	n	9.4E-02	n	9.4E+00	n	---	---	---	---	---	---	1.3E+02	n	4.7E-02	n	4.7E+00	n	---	---	---	---	---	---
Dinitrophenol, 2,5-	329-71-5	1.3E+02	n	9.6E-02	n	9.6E+00	n	---	---	---	---	---	---	1.3E+02	n	4.8E-02	n	4.8E+00	n	---	---	---	---	---	---
Dinitrotoluene, 2,4-	121-14-2	6.9E+00	c	5.3E-03	c	5.3E-01	c	---	2.9E+01	n	4.9E+03	n	> S	6.9E+00	c	2.7E-03	c	2.7E-01	c	---	1.5E+01	n	3.1E+02	n	> S	---
Dinitrotoluene, 2,6-	606-20-2	6.9E+00	c	4.8E-03	c	4.8E-01	c	---	4.3E+01	n	1.1E+04	n	> S	6.9E+00	c	2.4E-03	c	2.4E-01	c	---	2.2E+01	n	7.3E+02	n	> S	---
Di-n-octyl phthalate	117-84-0	1.3E+03	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	1.3E+03	n	8.1E+05	n	> S	1.0E+06	n	> S	---	---	---	---
Dinoseb	88-85-7	6.7E+01	n	3.5E-01	m	3.5E+01	m	---	---	---	---	---	---	6.7E+01	n	1.8E-01	m	---	1.8E+01	m	---	---	---	---	---
Dioxane 1,4-	123-91-1	5.5E+02	c	1.6E-01	c	1.6E+01	c	---	3.5E+03	n	2.9E+05	n	---	5.5E+02	c	8.0E-02	c	8.0E+00	c	---	1.8E+03	n	1.9E+04	n	---	---
Diphenylamine	122-39-4	1.2E+03	n	9.6E+00	n	9.6E+02	n	---	3.8E+03	n	8.8E+05	n	> S	9.0E+02	n	4.8E+00	n	4.8E+02	n	---	2.0E+03	n	5.7E+04	n	> S	---
Diphenylhydrazine, 1,2-	122-66-7	5.6E+00	c	3.2E-02	c	3.2E+00	c	---	1.4E+02	c	1.1E+05	c	> S	5.4E+00	c	1.6E-02	c	1.6E+00	c	---	7.2E+01	c	7.0E+03	c	> S	---
Diphenyl oxide	101-84-8	3.2E+02	n	9.2E+01	n	9.2E+03	n	> S	2.2E+03	n	5.5E+05	n	> S	2.8E+02	n	4.6E+01	n	4.6E+03	n	> S	1.1E+03	n	3.5E+04	n	> S	---
Diquat	85-00-7	5.0E+01	n	2.0E-01	m	2.0E+01	m	---	7.7E+01	n	4.3E+05	n	---	3.1E+01	n	1.0E-01	m	1.0E+01	m	---	3.9E+01	n	2.0E+05	n	---	---
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	928-72-3/ 142-73-4	6.7E+02	n	4.7E-01	n	4.7E+01	n	---	---	---	---	---	---	6.7E+02	n	2.3E-01	n	2.3E+01	n	---	---	---	---	---	---
Disulfoton	298-04-4	2.6E+00	n	3.5E-01	n	3.5E+01	n	---	1.5E+02	n	1.3E+05	n	> S	2.6E+00	n	1.8E-01	n	1.8E+01	n	---	7.7E+01	n	8.1E+03	n	> S	---
Diuron	330-54-1	1.3E+02	n	9.3E-01	n	9.3E+01	n	---	1.1E+04	n	1.0E+06	n	> S	1.3E+02	n	4.6E-01	n	4.6E+01	n	---	5.7E+03	n	4.8E+05	n	> S	---
Dodecylphenol, 4-	27193-86-8/ 104-43-8	3.3E+03	n	1.0E+06	n	> S	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---	3.3E+03	n	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---
Endosulfan	115-29-7	6.6E+01	n	4.6E+00	n	4.6E+02	n	> S	8.0E+01	n	3.6E+04	n	> S	---	3.7E+01	n	2.3E+00	n	---	2.3E+02	n	> S	4.1E+01	n	2.4E+03	n	> S	---
Endosulfan I	959-98-8	6.1E+01	n	3.1E+01	n	---	3.1E+03	n	> S	1.9E+02	n	5.7E+05	n	> S	---	4.7E+01	n	1.5E+01	n	> S	1.5E+03	n	> S	9.6E+01	n	3.7E+04	n	> S	---
Endosulfan II	33213-65-9	2.7E+02	n	9.2E+01	n	---	9.2E+03	n	> S	---	---	---	---	---	2.7E+02	n	4.6E+01	n	---	4.6E+03	n	> S	---	---	---	---	---	---
Endosulfan sulfate	1031-07-8	3.8E+02	n	4.7E+03	n	> S	4.7E+05	n	> S	---	---	---	---	---	3.8E+02	n	2.3E+03	n	> S	2.3E+05	n	> S	---	---	---	---	---	---
Endothall	145-73-3	1.3E+03	n	5.3E-01	m	---	5.3E+01	m	---	---	---	---	---	---	1.3E+03	n	2.7E-01	m	---	2.7E+01	m	---	---	---	---	---	---	---
Endrin	72-20-8	8.8E+00	n	7.5E-01	m	---	7.5E+01	m	---	4.7E+02	n	1.0E+06	n	> S	---	8.7E+00	n	3.8E-01	m	---	3.8E+01	m	---	2.4E+02	n	7.9E+04	n	> S	---
Endrin aldehyde	7421-93-4	1.9E+01	n	6.3E+02	n	---	6.3E+04	n	> S	---	---	---	---	---	1.9E+01	n	3.1E+02	n	---	3.1E+04	n	> S	---	---	---	---	---	---
Endrin ketone	53494-70-5	1.9E+01	n	5.1E+01	n	---	5.1E+03	n	---	1.9E+03	n	1.0E+06	n	> S	---	1.9E+01	n	2.5E+01	n	---	2.5E+03	n	---	9.7E+02	n	1.0E+06	n	> S	---
Epichlorohydrin	106-89-8	2.3E+01	n	9.8E-02	n	---	9.8E+00	n	---	2.6E+01	n	1.4E+03	n	---	---	1.3E+01	n	4.9E-02	n	---	4.9E+00	n	---	1.4E+01	n	9.1E+01	n	---	---
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	2104-64-5	6.7E-01	n	5.5E-02	n	---	5.5E+00	n	---	---	---	---	---	---	6.7E-01	n	2.7E-02	n	---	2.7E+00	n	---	---	---	---	---	---	---
Esfenvalerate	66230-04-4	7.4E+01	n	1.2E+02	n	> S	1.2E+04	n	> S	---	---	---	---	---	7.4E+01	n	6.2E+01	n	> S	6.2E+03	n	> S	---	---	---	---	---	---
Ethalfluralin (sonolan)	55283-68-6	4.7E+01	c	2.5E+01	c	---	2.5E+03	c	---	---	---	---	---	---	4.7E+01	c	1.2E+01	c	---	1.2E+03	c	---	---	---	---	---	---	---
Ethanol	64-17-5	8.6E+04	n	1.6E+03	n	---	1.6E+05	n	---	8.8E+04	n	1.0E+06	n	> S	---	4.5E+04	n	7.9E+02	n	---	7.9E+04	n	---	4.5E+04	n	5.5E+05	n	> S	---
Ethion	563-12-2	2.7E+01	n	7.6E+00	n	---	7.6E+02	n	> S	2.3E+03	n	1.0E+06	n	> S	---	2.7E+01	n	3.8E+00	n	---	3.8E+02	n	> S	1.2E+03	n	4.8E+05	n	> S	---
Ethoprop	13194-48-4	6.7E+00	n	1.2E-01	n	---	1.2E+01	n	---	---	---	---	---	---	6.7E+00	n	6.2E-02	n	---	6.2E+00	n	---	---	---	---	---	---	---
Ethoxy ethanol, 2-	110-80-5	2.8E+03	n	7.1E+01	n	---	7.1E+03	n	> S	3.1E+03	n	3.6E+03	n	> S	---	1.5E+03	n	3.6E+01	n	---	3.6E+03	n	> S	1.6E+03	n	2.3E+02	n	> S	---
Ethyl acetate	141-78-6	1.8E+04	n	4.7E+01	n	---	4.7E+03	n	---	2.3E+04	n	7.1E+05	n	> S	---	1.0E+04	n	2.4E+01	n	---	2.4E+03	n	---	1.2E+04	n	4.6E+04	n	> S	---
Ethyl acrylate	140-88-5	1.3E+02	c	1.2E-01	c	---	1.2E+01	c	---	4.8E+02	n	1.4E+04	n	---	---	1.3E+02	c	5.9E-02	c	---	5.9E+00	c	---	2.5E+02	n	8.9E+02	n	---	---
Ethyl benzene	100-41-4	5.3E+03	n	7.6E+00	m	---	7.6E+02	m	---	1.5E+04	n	1.7E+05	n	> S	---	4.0E+03	n	3.8E+00	m	---	3.8E+02	m	---	7.9E+03	n	1.1E+04	n	> S	---
Ethyl dipropylthiocarbamate, S-	759-94-4	1.7E+03	n	7.0E+00	n	---	7.0E+02	n	---	---	---	---	---	---	1.7E+03	n	3.5E+00	n	---	3.5E+02	n	---	---	---	---	---	---	---
Ethylene*	74-85-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	107-15-3	1.1E+03	n	1.0E+00	n	---	1.0E+02	n	---	3.7E+03	n	9.6E+05	n	---	---	8.8E+02	n	5.1E-01	n	---	5.1E+01	n	---	1.9E+03	n	6.2E+04	n	---	---
Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	7.0E-02	c	2.1E-04	m	---	2.1E-02	m	---	2.6E+00	c	6.3E+01	c	---	---	6.8E-02	c	1.0E-04	m	---	1.0E-02	m	---	1.4E+00	c	4.1E+00	c	---	---
Ethylene glycol	107-21-1	3.0E+03	n	9.4E+01	n	---	9.4E+03	n	---	3.1E+03	n	7.9E+05	n	---	---	1.6E+03	n	4.7E+01	n	---	4.7E+03	n	---	1.6E+03	n	5.1E+04	n	---	---

Table 1
Tier 1 Residential Soil PCLs[1]

0.5 acre source area

Chemical of Concern	CAS	${}^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	${}^{GW}Soil_{Ing}$ (mg/kg)	note[3]		${}^{GW}Soil_{Class 3}$ (mg/kg)	note[3]		${}^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	${}^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]		${}^{GW}Soil$ for Secondary MCL (mg/kg)
Ethylenimine	151-56-4	5.5E-02	c	2.8E-05	c	---	2.8E-03	c	---	1.3E-01	c	2.8E+01	c	---	---
Ethylene oxide	75-21-8	2.2E+00	c	1.8E-03	c	---	1.8E-01	c	---	3.6E+00	c	8.4E+01	c	---	---
Ethylene thiourea	96-45-7	5.3E+00	n	3.8E-03	n	---	3.8E-01	n	---	4.9E+02	n	1.0E+05	n	> S	---
Ethyl ether	60-29-7	8.7E+03	n	1.1E+01	n	---	1.1E+03	n	---	1.9E+04	n	1.9E+05	n	> S	---
Ethyl-1-hexanol, 2-	104-76-7	7.9E+03	n	7.6E+01	n	---	7.6E+03	n	---	3.8E+04	n	1.0E+06	n	> S	---
Ethyl-2-hexenal, 2-	645-62-5	3.4E+03	n	2.8E+01	n	---	2.8E+03	n	---	4.7E+03	n	1.4E+05	n	> S	---
Ethylhexyl acrylate, 2-	103-11-7	9.8E+01	c	7.7E+00	c	---	7.7E+02	c	---	2.8E+03	n	5.4E+05	n	---	---
Ethyl methacrylate	97-63-2	4.5E+03	n	7.5E+00	n	---	7.5E+02	n	---	1.2E+04	n	3.2E+05	n	> S	---
Ethyl methanesulfonate	62-50-0	3.4E+01	c	1.8E-02	c	---	1.8E+00	c	---	1.2E+02	c	3.6E+04	c	---	---
Ethyl-2-methyl benzene, 1-	611-14-3	5.6E+03	n	2.2E+02	n	---	2.2E+04	n	> S	8.4E+03	n	4.2E+05	n	> S	---
Ethyl-4-methyl benzene, 1-	622-96-8	5.0E+03	n	2.4E+02	n	---	2.4E+04	n	> S	7.2E+03	n	3.4E+05	n	> S	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	8.0E+01	n	8.9E-02	n	---	8.9E+00	n	---	4.6E+03	n	4.0E+04	n	> S	---
Famphur	52-85-7	2.0E+00	n	1.8E-03	n	---	1.8E-01	n	---	2.7E+02	n	1.3E+05	n	> S	---
Fensulfothion	115-90-2	6.7E+01	n	3.5E-01	n	---	3.5E+01	n	---	---	---	---	---	---	---
Fenthion	55-38-9	4.7E+00	n	7.9E-02	n	---	7.9E+00	n	---	---	---	---	---	---	---
Fluoranthene	206-44-0	2.3E+03	n	1.9E+03	n	> S	1.9E+05	n	> S	---	---	---	---	---	---
Fluorene	86-73-7	2.3E+03	n	3.0E+02	n	---	3.0E+04	n	> S	---	---	---	---	---	---
Fluorine (soluble fluoride)	7782-41-4	4.8E+03	n	---	---	---	---	---	---	---	---	---	---	---	---
Fluorochloridone	61213-25-0	4.8E+02	n	4.0E+00	n	---	4.0E+02	n	---	1.2E+04	n	1.0E+06	n	> S	---
Fonofos	944-22-9	1.3E+02	n	7.1E+00	n	---	7.1E+02	n	---	---	---	---	---	---	---
Formaldehyde	50-00-0	1.6E+02	c	9.8E+00	n	---	9.8E+02	n	---	1.6E+02	c	2.8E+04	c	---	---
Formic acid	64-18-6	6.7E+02	n	9.4E+01	n	---	9.4E+03	n	---	6.7E+02	n	1.1E+05	n	---	---
Furan	110-00-9	6.9E+01	n	8.1E-02	n	---	8.1E+00	n	---	4.3E+02	n	1.3E+03	n	---	---
Furfural	98-01-1	1.8E+02	n	1.5E-01	n	---	1.5E+01	n	---	6.1E+02	n	8.7E+04	n	---	---
Glycidylaldehyde	765-34-4	2.7E+01	n	2.2E-02	n	---	2.2E+00	n	---	1.5E+02	n	3.3E+04	n	---	---
Glyphosate	1071-83-6	6.7E+03	n	1.3E+00	m	---	1.3E+02	m	---	---	---	---	---	---	---
Heptachlor	76-44-8	1.3E-01	c	1.9E-01	m	---	1.9E+01	m	---	9.1E+00	c	3.0E+03	c	> S	---
Heptachlor epoxide	1024-57-3	2.4E-01	c	5.8E-02	m	---	5.8E+00	m	---	2.4E+01	c	3.5E+04	c	> S	---
Heptane, n-	142-82-5	4.8E+03	n	7.2E+02	n	---	7.2E+04	n	> S	2.8E+05	n	8.5E+05	n	> S	---
Heptanoic acid, n-	111-14-8	1.2E+02	n	2.4E+01	n	---	2.4E+03	n	---	1.2E+02	n	3.2E+04	n	> S	---
Hexachlorobenzene	118-74-1	1.1E+00	c	1.1E+00	m	---	1.1E+02	m	> S	1.9E+01	c	6.4E+03	c	> S	---
Hexachlorobutadiene	87-68-3	1.3E+01	n	1.4E+00	n	---	1.4E+02	n	---	2.9E+01	c	2.5E+03	c	> S	---
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	2.6E-01	c	7.9E-03	c	---	7.9E-01	c	---	1.4E+01	c	8.4E+03	c	> S	---
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	9.3E-01	c	2.9E-02	c	---	2.9E+00	c	---	7.2E+01	c	6.6E+04	c	> S	---
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	2.9E+00	c	1.7E-01	c	---	1.7E+01	c	---	1.0E+02	c	1.2E+05	c	> S	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	1.1E+00	c	9.2E-03	m	---	9.2E-01	m	---	5.8E+02	n	3.8E+05	n	> S	---
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	1.3E+00	c	5.0E-02	c	---	5.0E+00	c	---	8.9E+01	c	9.7E+04	c	> S	---
Hexachlorocyclopentadiene (HCCPD)	77-47-4	1.4E+01	n	1.9E+01	m	---	1.9E+03	m	> S	1.4E+01	n	2.1E+03	n	> S	---
Hexachloroethane	67-72-1	6.7E+01	n	1.8E+00	n	---	1.8E+02	n	---	9.6E+02	c	1.1E+05	c	> S	---
Hexachlorophene	70-30-4	2.0E+01	n	5.9E+03	n	> S	5.9E+05	n	> S	---	---	---	---	---	---
Hexachloropropylene	1888-71-7	6.7E+01	n	1.0E+01	n	---	1.0E+03	n	---	9.9E+02	c	1.8E+05	c	> S	---
Hexane, n-	110-54-3	1.9E+03	n	2.0E+02	n	---	2.0E+04	n	> S	3.1E+03	n	1.6E+03	n	---	---
Hexanediol, 1,6-	629-11-8	3.0E+05	n	2.6E+02	n	---	2.6E+04	n	---	1.0E+06	n	1.0E+06	n	> S	---
Hexanoic acid	142-62-1	1.4E+02	n	2.3E+01	n	---	2.3E+03	n	---	1.4E+02	n	4.0E+04	n	> S	---
Hexanone, 2-	591-78-6	1.1E+02	n	3.9E+00	n	---	3.9E+02	n	---	1.1E+02	n	4.1E+03	n	---	---
Hexazinone	51235-04-2	1.0E+03	n	2.7E+00	n	---	2.7E+02	n	---	1.9E+03	n	8.8E+05	n	> S	---
Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	2.5E+01	n	1.5E+01	n	---	1.5E+03	n	---	2.5E+01	n	7.9E+03	n	---	---
Hydrazine	302-01-2	3.8E-01	c	5.8E-04	c	---	5.8E-02	c	---	4.6E-01	c	9.8E+01	c	---	---
Hydrogen chloride (hydrochloric acid)*	7647-01-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	95-13-6	1.0E+02	n	7.1E+00	n	---	7.1E+02	n	---	1.1E+02	n	4.0E+03	n	---	---
Indeno-1,2,3-cd-pyrene	193-39-5	5.7E+00	c	1.7E+02	c	---	1.7E+04	c	> S	2.5E+04	c	1.0E+06	c	> S	---
Iron*	7439-89-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	78-83-1	5.6E+03	n	1.6E+01	n	---	1.6E+03	n	---	7.3E+03	n	5.9E+05	n	> S	---
Isobutylene (2-methyl-1-propene)	115-11-7	6.1E+04	n	---	---	---	---	---	---	6.1E+04	n	6.7E+04	n	---	---
Isobutyric acid (2-methylpropanoic acid)	79-31-2	1.1E+02	n	2.3E+01	n	---	2.3E+03	n	---	1.1E+02	n	2.8E+04	n	---	---
Isodrin	465-73-6	2.7E-02	c	1.5E+00	c	---	1.5E+02	c	---	1.7E+00	c	9.4E+03	c	> S	---

30 acre source area

Chemical of Concern	CAS	${}^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	${}^{GW}Soil_{Ing}$ (mg/kg)	note[3]		${}^{GW}Soil_{Class 3}$ (mg/kg)	note[3]		${}^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	${}^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]		${}^{GW}Soil$ for Secondary MCL (mg/kg)
Ethylenimine	151-56-4	3.9E-02	c	1.4E-05	c	---	1.4E-03	c	---	6.8E-02	c	1.8E+00	c	---	---
Ethylene oxide	75-21-8	1.4E+00	c	9.0E-04	c	---	9.0E-02	c	---	1.8E+00	c	5.5E+00	c	---	---
Ethylene thiourea	96-45-7	5.2E+00	n	1.9E-03	n	---	1.9E-01	n	---	2.5E+02	n	6.7E+03	n	> S	---
Ethyl ether	60-29-7	6.0E+03	n	5.6E+00	n	---	5.6E+02	n	---	9.6E+03	n	1.2E+04	n	> S	---
Ethyl-1-hexanol, 2-	104-76-7	6.6E+03	n	3.8E+01	n	---	3.8E+03	n	---	1.9E+04	n	3.5E+05	n	> S	---
Ethyl-2-hexenal, 2-	645-62-5	2.0E+03	n	1.4E+01	n	---	1.4E+03	n	---	2.4E+03	n	9.2E+03	n	> S	---
Ethylhexyl acrylate, 2-	103-11-7	9.8E+01	c	3.8E+00	c	---	3.8E+02	c	---	1.4E+03	n	3.5E+04	n	---	---
Ethyl methacrylate	97-63-2	3.3E+03	n	3.8E+00	n	---	3.8E+02	n	---	6.1E+03	n	2.1E+04	n	> S	---
Ethyl methanesulfonate	62-50-0	2.7E+01	c	8.9E-03	c	---	8.9E-01	c	---	6.1E+01	c	2.3E+03	c	---	---
Ethyl-2-methyl benzene, 1-	611-14-3	3.4E+03	n	1.1E+02	n	---	1.1E+04	n	> S	4.3E+03	n	2.7E+04	n	> S	---
Ethyl-4-methyl benzene, 1-	622-96-8	3.0E+03	n	1.2E+02	n	---	1.2E+04	n	> S	3.7E+03	n	2.2E+04	n	> S	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	7.9E+01	n	4.5E-02	n	---	4.5E+00	n	---	2.4E+03	n	2.6E+03	n	> S	---
Famphur	52-85-7	2.0E+00	n	9.1E-04	n	---	9.1E-02	n	---	1.4E+02	n	2.5E+04	n	> S	---
Fensulfothion	115-90-2	6.7E+01	n	1.8E-01	n	---	1.8E+01	n	---	---	---	---	---	---	---
Fenthion	55-38-9	4.7E+00	n	3.9E-02	n	---	3.9E+00	n	---	---	---	---	---	---	---
Fluoranthene	206-44-0	2.3E+03	n	9.6E+02	n	> S	9.6E+04	n	> S	---	---	---	---	---	---
Fluorene	86-73-7	2.3E+03	n	1.5E+02	n	---	1.5E+04	n	> S	---	---	---	---	---	---
Fluorine (soluble fluoride)	7782-41-4	4.8E+03	n	---	---	---	---	---	---	---	---	---	---	---	---
Fluorochloridone	61213-25-0	4.6E+02	n	2.0E+00	n	---	2.0E+02	n	---	6.0E+03	n	5.2E+05	n	> S	---
Fonofos	944-22-9	1.3E+02	n	3.6E+00	n	---	3.6E+02	n	---	---	---	---	---	---	---
Formaldehyde	50-00-0	8.3E+01	c	4.9E+00	n	---	4.9E+02	n	---	8.3E+01	c	1.8E+03	c	---	---
Formic acid	64-18-6	3.4E+02	n	4.7E+01	n	---	4.7E+03	n	---	3.4E+02	n	6.8E+03	n	---	---
Furan	110-00-9	6.0E+01	n	4.1E-02	n	---	4.1E+00	n	---	2.2E+02	n	8.6E+01	n	---	---
Furfural	98-01-1	1.4E+02	n	7.4E-02	n	---	7.4E+00	n	---	3.1E+02	n	5.7E+03	n	---	---
Glycidylaldehyde	765-34-4	2.3E+01	n	1.1E-02	n	---	1.1E+00	n	---	7.7E+01	n	2.1E+03	n	---	---
Glyphosate	1071-83-6	6.7E+03	n	6.7E-01	m	---	6.7E+01	m	---	---	---	---	---	---	---
Heptachlor	76-44-8	1.3E-01	c	9.4E-02	m	---	9.4E+00	m	---	4.7E+00	c	1.9E+02	c	> S	---
Heptachlor epoxide	1024-57-3	2.4E-01	c	2.9E-02	m	---	2.9E+00	m	---	1.2E+01	c	2.2E+03	c	> S	---
Heptane, n-	142-82-5	4.7E+03	n	3.6E+02	n	---	3.6E+04	n	> S	1.4E+05	n	5.5E+04	n	> S	---
Heptanoic acid, n-	111-14-8	6.3E+01	n	1.2E+01	n	---	1.2E+03	n	---	6.3E+01	n	2.1E+03	n	> S	---
Hexachlorobenzene	118-74-1	1.0E+00	c	5.6E-01	m	---	5.6E+01	m	> S	9.8E+00	c	4.2E+02	c	> S	---
Hexachlorobutadiene	87-68-3	1.2E+01	c	6.9E-01	n	---	6.9E+01	n	---	1.5E+01	c	1.6E+02	c	> S	---
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	2.5E-01	c	4.0E-03	c	---	4.0E-01	c	---	7.2E+00	c	5.4E+02	c	> S	---
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	9.2E-01	c	1.4E-02	c	---	1.4E+00	c	---	3.7E+01	c	4.2E+03	c	> S	---
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	2.9E+00	c	8.7E-02	c	---	8.7E+00	c	---	5.2E+01	c	8.0E+03	c	> S	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	1.1E+00	c	4.6E-03	m	---	4.6E-01	m	---	3.0E+02	n	2.5E+04	n	> S	---
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	1.3E+00	c	2.5E-02	c	---	2.5E+00	c	---	4.6E+01	c	6.3E+03	c	> S	---
Hexachlorocyclopentadiene (HCCPD)	77-47-4	7.2E+00	n	9.6E+00	m	---	9.6E+02	m	> S	7.3E+00	n	1.4E+02	n	> S	---
Hexachloroethane	67-72-1	6.7E+01	n	9.2E-01	n	---	9.2E+01	n	---	5.0E+02	c	6.9E+03	c	> S	---
Hexachlorophene	70-30-4	2.0E+01	n	2.9E+03	n	> S	2.9E+05	n	> S	---	---	---	---	---	---
Hexachloropropylene	1888-71-7	6.7E+01	n	5.2E+00	n	---	5.2E+02	n	---	5.1E+02	c	1.2E+04	c	> S	---
Hexane, n-	110-54-3	1.2E+03	n	1.0E+02	n	---	1.0E+04	n	> S	1.6E+03	n	1.0E+02	n	---	---
Hexanediol, 1,6-	629-11-8	2.8E+05	n	1.3E+02	n	---	1.3E+04	n	---	1.0E+06	n	1.0E+06	n	> S	---
Hexanoic acid	142-62-1	7.0E+01	n	1.2E+01	n	---	1.2E+03	n	---	7.0E+01	n	2.6E+03	n	> S	---
Hexanone, 2-	591-78-6	5.6E+01	n	1.9E+00	n	---	1.9E+02	n	---	5.7E+01	n	2.6E+02	n	---	---
Hexazinone	51235-04-2	6.7E+02	n	1.4E+00	n	---	1.4E+02	n	---	9.7E+02	n	1.5E+05	n	> S	---
Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	1.3E+01	n	7.4E+00	n	---	7.4E+02	n	---	1.3E+01	n	5.1E+02	n	---	---
Hydrazine	302-01-2	2.1E-01	c	2.9E-04	c	---	2.9E-02	c	---	2.4E-01	c	6.4E+00	c	---	---
Hydrogen chloride (hydrochloric acid)*	7647-01-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	95-13-6	5.6E+01	n	3.6E+00	n	---	3.6E+02	n	---	5.8E+01	n	2.6E+02	n	---	---
Indeno-1,2,3-cd-pyrene	193-39-5	5.7E+00	c	8.7E+01	c	---	8.7E+03	c	> S	1.3E+04	c	1.0E+06	c	> S	---
Iron*	7439-89-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	78-83-1	3.3E+03	n	7.9E+00	n	---	7.9E+02	n	---	3.8E+03	n	3.8E+04	n	> S	---
Isobutylene (2-methyl-1-propene)	115-11-7	3.2E+04	n	---	---	---	---	---	---	3.2E+04	n	4.3E+03	n	---	---
Isobutyric acid (2-methylpropanoic acid)	79-31-2	5.9E+01	n	1.2E+01	n	---	1.2E+03	n	---	5.9E+01	n	1.8E+03	n	---	---
Isodrin	465-73-6	2.7E-02	c	7.4E-01	c	---	7.4E+01	c	---	9.0E-01	c	6.1E+02	c	> S	---

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area														30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Isophorone	78-59-1	2.2E+03	n	3.0E+00	c	3.0E+02	c	2.7E+03	n	3.2E+05	n	> S	---	1.2E+03	n	1.5E+00	c	1.5E+02	c	1.4E+03	n	2.1E+04	n	> S	---
Isopropyl acetate	108-21-4	5.7E+03	n	4.0E+00	n	4.0E+02	n	---	---	---	---	---	---	5.7E+03	n	2.0E+00	n	2.0E+02	n	---	---	---	---	---	---
Isopropyl alcohol	67-63-0	1.1E+04	n	1.0E+01	n	1.0E+03	n	3.4E+04	n	1.0E+06	n	> S	---	8.4E+03	n	5.0E+00	n	5.0E+02	n	1.7E+04	n	2.0E+05	n	> S	---
Isosafrole	120-58-1	1.7E+01	c	1.3E-01	c	1.3E+01	c	9.1E+01	c	1.3E+04	c	> S	---	1.5E+01	c	6.5E-02	c	6.5E+00	c	4.7E+01	c	8.6E+02	c	> S	---
Kelthane (dicofol)	115-32-2	2.7E+02	n	7.4E+01	n	7.4E+03	n	> S	---	---	---	---	---	2.7E+02	n	3.7E+01	n	3.7E+03	n	> S	---	---	---	---	---
Kepone (chlordecone)	143-50-0	2.2E-01	c	6.2E-02	c	6.2E+00	c	4.9E+01	c	2.5E+05	c	> S	---	2.2E-01	c	3.1E-02	c	3.1E+00	c	2.5E+01	c	1.6E+04	c	> S	---
Lead (inorganic)	7439-92-1	5.0E+02	---	3.0E+00	a	3.0E+02	a	---	---	---	---	---	---	5.0E+02	---	1.5E+00	a	1.5E+02	a	---	---	---	---	---	---
Limonene, d-*	5989-27-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium[5]	7439-93-2	1.3E+03	n	---	---	---	---	---	---	---	---	---	---	1.3E+03	n	---	---	---	---	---	---	---	---	---	---
Magnesium*	7439-95-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	121-75-5	1.1E+03	n	6.6E+00	n	6.6E+02	n	5.0E+03	n	1.0E+06	n	> S	---	8.8E+02	n	3.3E+00	n	3.3E+02	n	2.6E+03	n	2.0E+05	n	> S	---
Maleic anhydride	108-31-6	2.0E+02	n	7.2E+00	n	7.2E+02	n	2.1E+02	n	4.6E+04	n	> S	---	1.1E+02	n	3.6E+00	n	3.6E+02	n	1.1E+02	n	3.0E+03	n	> S	---
Maleic hydrazide	123-33-1	1.4E+04	n	3.6E+01	n	3.6E+03	n	2.5E+04	n	1.0E+06	n	> S	---	9.3E+03	n	1.8E+01	n	1.8E+03	n	1.3E+04	n	1.0E+06	n	> S	---
Malononitrile	109-77-3	1.3E+00	n	1.0E-03	n	1.0E-01	n	1.2E+03	n	3.2E+05	n	---	---	1.3E+00	n	5.2E-04	n	5.2E-02	n	6.3E+02	n	2.0E+04	n	---	---
Mancozeb	8018-01-7	2.0E+03	n	1.8E+00	n	1.8E+02	n	> S	---	---	---	---	---	2.0E+03	n	9.0E-01	n	9.0E+01	n	> S	---	---	---	---	---
Manganese	7439-96-5	3.7E+03	n	1.2E+03	n	1.2E+05	n	---	---	---	---	---	5.0E+01	3.4E+03	n	5.8E+02	n	5.8E+04	n	---	---	---	---	---	2.5E+01
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	94-74-6	3.3E+01	n	2.3E-02	n	2.3E+00	n	---	---	---	---	---	---	3.3E+01	n	1.2E-02	n	1.2E+00	n	---	---	---	---	---	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0/ 93-65-2	6.7E+01	n	4.7E-02	n	4.7E+00	n	---	---	---	---	---	---	6.7E+01	n	2.3E-02	n	2.3E+00	n	---	---	---	---	---	---
Merphos	150-50-5	2.0E+00	n	6.5E+00	n	6.5E+02	n	> S	---	---	---	---	---	2.0E+00	n	3.2E+00	n	3.2E+02	n	> S	---	---	---	---	---
Mercury[6]	7439-97-6/ 7487-94-7	3.6E+00	n	7.8E-03	m	7.8E-01	m	> S	4.6E+00	n	2.8E+01	n	> S	---	2.1E+00	n	3.9E-03	m	3.9E-01	m	> S	2.4E+00	n	1.8E+00	n	> S	---
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	6.3E+02	n	4.7E-01	n	4.7E+01	n	---	2.7E+03	n	2.3E+05	n	> S	---	5.2E+02	n	2.3E-01	n	2.3E+01	n	---	1.4E+03	n	1.5E+04	n	> S	---
Methacrylonitrile	126-98-7	7.1E+00	n	5.0E-03	n	5.0E-01	n	---	5.3E+01	n	2.1E+03	n	---	---	6.3E+00	n	2.5E-03	n	2.5E-01	n	---	2.7E+01	n	1.3E+02	n	---	---
Methanol	67-56-1	9.2E+03	n	2.4E+01	n	2.4E+03	n	---	1.2E+04	n	1.0E+06	n	---	---	5.3E+03	n	1.2E+01	n	1.2E+03	n	---	6.1E+03	n	7.6E+04	n	---	---
Methapyrilene	91-80-5	1.0E+00	c	5.3E-04	c	5.3E-02	c	---	9.0E+01	n	3.1E+04	n	---	---	1.0E+00	c	2.6E-04	c	2.6E-02	c	---	4.6E+01	n	2.0E+03	n	---	---
Methomyl	16752-77-5	7.9E+02	n	5.1E+00	n	5.1E+02	n	---	1.5E+03	n	5.9E+05	n	> S	---	5.3E+02	n	2.5E+00	n	2.5E+02	n	---	7.7E+02	n	4.0E+04	n	> S	---
Methoxychlor	72-43-5	2.7E+02	n	1.2E+02	m	1.2E+04	m	> S	3.1E+04	n	1.0E+06	n	> S	---	2.7E+02	n	6.2E+01	m	6.2E+03	m	> S	1.6E+04	n	1.0E+06	n	> S	---
Methoxyethanol, 2-	109-86-4	3.1E+02	n	---	---	---	---	---	3.1E+02	n	4.5E+02	n	---	---	1.6E+02	n	---	---	---	---	---	1.6E+02	n	2.9E+01	n	---	---
Methyl acetate (acetic acid, methyl ester)	79-20-9	8.3E+03	n	4.9E+01	n	4.9E+03	n	---	9.2E+03	n	2.7E+05	n	---	---	4.5E+03	n	2.4E+01	n	2.4E+03	n	---	4.7E+03	n	1.7E+04	n	---	---
Methyl acrylate	96-33-3	6.5E+01	n	1.0E-01	n	1.0E+01	n	---	1.1E+02	n	2.0E+03	n	---	---	4.1E+01	n	5.2E-02	n	5.2E+00	n	---	5.5E+01	n	1.3E+02	n	---	---
Methyl amyl ketone (2-heptanone)	110-43-0	2.8E+03	n	4.7E+00	n	4.7E+02	n	---	9.1E+03	n	3.5E+05	n	> S	---	2.2E+03	n	2.4E+00	n	2.4E+02	n	---	4.7E+03	n	2.3E+04	n	> S	---
Methyl-1-butene, 2-	563-46-2	4.8E+03	n	6.5E+01	n	6.5E+03	n	> S	2.8E+05	n	3.4E+05	n	> S	---	4.7E+03	n	3.2E+01	n	3.2E+03	n	> S	1.4E+05	n	2.2E+04	n	> S	---
Methyl-2-butene, 2-	513-35-9	4.8E+03	n	3.9E+01	n	3.9E+03	n	---	2.8E+05	n	4.0E+05	n	> S	---	4.7E+03	n	1.9E+01	n	1.9E+03	n	---	1.4E+05	n	2.6E+04	n	> S	---
Methylcholanthrene, 3-	56-49-5	1.9E-01	c	1.5E+01	c	1.5E+03	c	> S	1.8E+03	c	1.0E+06	c	> S	---	1.9E-01	c	7.6E+00	c	7.6E+02	c	> S	9.0E+02	c	1.0E+06	c	> S	---
Methyl chrysene, 1-	3351-28-8	5.8E+02	c	2.2E+04	c	> S	1.0E+06	c	> S	1.0E+06	c	1.0E+06	c	> S	---	5.8E+02	c	1.1E+04	c	> S	1.0E+06	c	> S	1.0E+06	c	1.0E+06	c	> S	---
Methyl chrysene, 2-	3351-32-4	5.8E+02	c	2.2E+04	c	> S	1.0E+06	c	> S	1.0E+06	c	1.0E+06	c	> S	---	5.8E+02	c	1.1E+04	c	> S	1.0E+06	c	> S	1.0E+06	c	1.0E+06	c	> S	---
Methyl chrysene, 6-	1705-85-7	5.7E+01	c	1.8E+03	c	> S	1.8E+05	c	> S	2.3E+05	c	1.0E+06	c	> S	---	5.7E+01	c	8.8E+02	c	> S	8.8E+04	c	> S	1.2E+05	c	1.0E+06	c	> S	---
Methyl cyclohexane	108-87-2	4.1E+04	n	1.6E+04	n	> S	1.0E+06	n	> S	4.6E+04	n	1.8E+05	n	> S	---	2.2E+04	n	7.8E+03	n	> S	7.8E+05	n	> S	2.4E+04	n	1.2E+04	n	> S	---
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	3.6E+01	c	2.2E+00	c	---	2.2E+02	c	---	2.7E+03	c	1.0E+06	c	> S	---	3.5E+01	c	1.1E+00	c	---	1.1E+02	c	---	1.4E+03	c	4.1E+05	c	> S	---
Methylene bromide (dibromomethane)	74-95-3	2.6E+02	n	1.1E+00	c	---	1.1E+02	c	---	2.7E+02	n	7.3E+03	n	---	---	1.4E+02	n	5.6E-01	c	---	5.6E+01	c	---	1.4E+02	n	4.7E+02	n	---	---
Methylene chloride (dichloromethane)	75-09-2	3.9E+02	c	1.3E-02	m	---	1.3E+00	m	---	7.6E+02	c	3.3E+03	c	---	---	2.6E+02	c	6.5E-03	m	---	6.5E-01	m	---	3.9E+02	c	2.2E+02	c	---	---
Methyl ethyl ketone (2-butanone)	78-93-3	3.4E+04	n	2.9E+01	n	---	2.9E+03	n	---	1.1E+05	n	1.0E+06	n	> S	---	2.7E+04	n	1.5E+01	n	---	1.5E+03	n	---	5.9E+04	n	3.5E+05	n	> S	---
Methyl iodide (iodomethane)	74-88-4	7.1E+01	n	1.1E-01	n	---	1.1E+01	n	---	1.8E+02	n	5.6E+02	n	---	---	5.2E+01	n	5.7E-02	n	---	5.7E+00	n	---	9.5E+01	n	3.6E+01	n	---	---
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	5.9E+03	n	4.9E+00	n	---	4.9E+02	n	---	5.8E+04	n	1.0E+06	n	> S	---	5.4E+03	n	2.5E+00	n	---	2.5E+02	n	---	3.0E+04	n	1.1E+05	n	> S	---
Methyl mercury	22967-92-6	8.0E+00	n	---	---	---	---	---	---	---	---	---	---	8.0E+00	n	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylmecury hydroxide	1184-57-2	9.9E-01	n	4.8E-03	n	---	4.8E-01	n	---	1.2E+00	n	2.8E+02	n	---	---	5.5E-01	n	2.4E-03	n	---	2.4E-01	n	---	6.0E-01	n	2.0E+01	n	---	---
Methyl methacrylate	80-62-6	9.8E+03	n	9.8E+01	n	---	9.8E+03	n	---	1.1E+04	n	2.3E+05	n	> S	---	5.3E+03	n	4.9E+01	n	---	4.9E+03	n	---	5.5E+03	n	1.5E+04	n	> S	---
Methyl methanesulfonate	66-27-3	3.3E+01	c	1.8E-02	c	---	1.8E+00	c	---	1.1E+02	c	3.2E+04	c	---	---	2.6E+01	c	8.9E-03	c	---	8.9E-01	c	---	5.7E+01	c	2.1E+03	c	---	---
Methylnaphthalene, 1-	90-12-0	4.4E+03	n	1.6E+02	n	---	1.6E+04	n	> S	---	---	---	---	---	4.4E+03	n	8.0E+01	n	---	8.0E+03	n	> S	---	---	---	---	---	---
Methylnaphthalene, 2-	91-57-6	2.5E+02	n	1.7E+01	n	---	1.7E+03	n	---	---	---	---	---	---	2.5E+02	n	8.5E+00	n	---	8.5E+02	n	---	---	---	---	---	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	1.4E+02	c	1.4E-01	c	---	1.4E+01	c	---	---	---	---	---	---	1.4E+02	c	7.1E-02	c	---	7.1E+00	c	---	---	---	---	---	---	---
Methyl parathion	298-00-0	1.5E+01	n	1.7E-01	n	---	1.7E+01	n	---	2.1E+02	n	1.2E+05	n	> S	---	1.4E+01	n	8.5E-02	n	---	8.5E+00	n	---	1.1E+02	n	8.1E+03	n	> S	---
Methyl-2-pentenal, 2-	623-36-9	3.2E+00	c	1.5E-03	c	---	1.5E-01	c	---	9.4E+01	n	2.2E+03	n	---	---	3.2E+00	c	7.3E-04	c	---	7.3E-02	c	---	4.9E+01	n	1.4E+02	n	---	---
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	1.9E+03	n	2.1E+00	n	---	2.1E+02	n	---	4.5E+03	n	9.5E+04	n	---	---	1.3E+03	n	1.0E+00	n	---	1.0E+02	n	---	2.3E+03	n	6.2E+03	n	---	---
Methylpyrrolidone, N-	872-50-4	1.2E+03	n	9.6E-01	n	---	9.6E+01	n	---	1.2E+04	n	1.0E+06	n	---	---	1.1E+03	n	4.8E-01	n	---	4.8E+01	n	---	6.0E+03	n	2.3E+05	n	---	---

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area: $^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	30 acre source area: $^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Methyltetrahydrofuran, 2-	96-47-9	1.5E+02	c	2.7E-01	c	---	2.7E+01	c	---	1.9E+02	c	4.2E+03	c	---	---	8.6E+01	c	1.4E-01	c	---	1.4E+01	c	---	9.7E+01	c	2.7E+02	c	---	---
Methyltetrahydropyran, 2-	10141-72-7	1.7E+02	c	3.3E-01	c	---	3.3E+01	c	---	2.2E+02	c	5.7E+03	c	---	---	9.8E+01	c	1.6E-01	c	---	1.6E+01	c	---	1.1E+02	c	3.7E+02	c	---	---
Metolachlor	51218-45-2	1.0E+04	n	1.1E+02	n	---	1.1E+04	n	---	---	---	---	---	---	---	1.0E+04	n	5.5E+01	n	---	5.5E+03	n	---	---	---	---	---	---	---
Metribuzin	21087-64-9	1.7E+03	n	1.2E+00	n	---	1.2E+02	n	---	---	---	---	---	---	---	1.7E+03	n	6.1E-01	n	---	6.1E+01	n	---	---	---	---	---	---	---
Mirex	2385-85-5	1.3E+01	n	4.5E+03	n	> S	4.5E+05	n	> S	---	---	---	---	---	---	1.3E+01	n	2.2E+03	n	> S	2.2E+05	n	> S	---	---	---	---	---	---
Molinate	2212-67-1	1.3E+02	n	1.9E-01	n	---	1.9E+01	n	---	---	---	---	---	---	---	1.3E+02	n	9.6E-02	n	---	9.6E+00	n	---	---	---	---	---	---	---
Molybdenum	7439-98-7	1.6E+02	n	4.9E+01	n	---	4.9E+03	n	---	---	---	---	---	---	---	1.6E+02	n	2.5E+01	n	---	2.5E+03	n	---	---	---	---	---	---	---
Morpholine	110-91-8	1.4E+02	n	2.4E+04	n	---	1.0E+06	n	---	1.4E+02	n	4.0E+04	n	---	---	7.2E+01	n	1.2E+04	n	---	1.0E+06	n	---	7.2E+01	n	2.6E+03	n	---	---
MTBE (methyl tert-butyl ether)[7]	1634-04-4	8.0E+02	n	6.2E-01	n	---	6.2E+01	n	---	1.4E+03	c	1.0E+04	c	---	3.8E-02	5.9E+02	c	3.1E-01	n	---	3.1E+01	n	---	7.1E+02	c	6.6E+02	c	---	1.9E-02
Naled	300-76-5	8.7E+01	n	3.5E-01	n	---	3.5E+01	n	> S	2.5E+02	n	1.6E+04	n	> S	---	6.6E+01	n	1.8E-01	n	---	1.8E+01	n	> S	1.3E+02	n	1.0E+03	n	> S	---
Naphthalene	91-20-3	2.2E+02	n	3.1E+01	n	---	3.1E+03	n	> S	2.7E+02	n	2.0E+04	n	> S	---	1.2E+02	n	1.6E+01	n	---	1.6E+03	n	> S	1.4E+02	n	1.3E+03	n	> S	---
Naphthoquinone, 1,4-	130-15-4	1.9E+01	n	4.6E-01	n	---	4.6E+01	n	---	1.9E+01	n	4.4E+03	n	> S	---	9.7E+00	n	2.3E-01	n	---	2.3E+01	n	---	9.9E+00	n	2.8E+02	n	> S	---
Naphthylamine, 1-	134-32-7	1.3E+03	n	9.4E+00	n	---	9.4E+02	n	---	---	---	---	---	---	---	1.3E+03	n	4.7E+00	n	---	4.7E+02	n	---	---	---	---	---	---	---
Naphthylamine, 2-	91-59-8	2.6E+00	c	1.3E-02	c	---	1.3E+00	c	---	---	---	---	---	---	---	2.6E+00	c	6.4E-03	c	---	6.4E-01	c	---	---	---	---	---	---	---
Napropamide	15299-99-7	6.7E+03	n	5.5E+02	n	---	5.5E+04	n	> S	---	---	---	---	---	---	6.7E+03	n	2.7E+02	n	---	2.7E+04	n	> S	---	---	---	---	---	---
Neopentyl glycol	126-30-7	2.0E+04	n	1.5E+01	n	---	1.5E+03	n	---	---	---	---	---	---	---	2.0E+04	n	7.3E+00	n	---	7.3E+02	n	---	---	---	---	---	---	---
Nickel and compounds	7440-02-0	8.4E+02	n	1.6E+02	n	---	1.6E+04	n	---	---	---	---	---	---	---	8.3E+02	n	7.9E+01	n	---	7.9E+03	n	---	---	---	---	---	---	---
Nitrate	14797-55-8	1.3E+05	n	1.9E+01	m	---	1.9E+03	m	---	---	---	---	---	---	---	1.3E+05	n	9.6E+00	m	---	9.6E+02	m	---	---	---	---	---	---	---
Nitrite	14797-65-0	8.0E+03	n	---	---	---	---	---	---	---	---	---	---	---	---	8.0E+03	n	---	---	---	---	---	---	---	---	---	---	---	---
Nitroaniline, 2-	88-74-4	1.4E+01	n	2.2E-02	n	---	2.2E+00	n	---	4.8E+01	n	1.2E+04	n	> S	---	1.1E+01	n	1.1E-02	n	---	1.1E+00	n	---	2.4E+01	n	7.7E+02	n	> S	---
Nitroaniline, 3-	99-09-2	2.0E+01	n	2.6E-02	n	---	2.6E+00	n	---	9.0E+02	n	2.5E+05	n	> S	---	1.9E+01	n	1.3E-02	n	---	1.3E+00	n	---	4.6E+02	n	1.6E+04	n	> S	---
Nitroaniline, 4-	100-01-6	1.2E+02	c	5.7E-02	c	---	5.7E+00	c	---	6.0E+02	n	1.7E+05	n	> S	---	1.2E+02	n	2.8E-02	c	---	2.8E+00	c	---	3.1E+02	n	1.1E+04	n	> S	---
Nitrobenzene	98-95-3	3.1E+01	n	8.8E-02	n	---	8.8E+00	n	---	5.6E+02	n	4.5E+04	n	> S	---	3.0E+01	n	4.4E-02	n	---	4.4E+00	n	---	2.9E+02	n	2.9E+03	n	> S	---
Nitroglycerin	55-63-0	4.7E+00	n	9.6E-03	n	---	9.6E-01	n	---	---	---	---	---	---	---	4.7E+00	n	4.8E-03	n	---	4.8E-01	n	---	---	---	---	---	---	---
Nitrophenol, 2-	88-75-5	1.1E+02	n	1.3E-01	n	---	1.3E+01	n	---	8.0E+02	n	1.8E+05	n	> S	---	1.0E+02	n	6.7E-02	n	---	6.7E+00	n	---	4.1E+02	n	1.2E+04	n	> S	---
Nitrophenol, 3-	554-84-7	1.2E+02	n	2.3E-01	n	---	2.3E+01	n	---	1.5E+03	n	1.0E+06	n	> S	---	1.1E+02	n	1.1E-01	n	---	1.1E+01	n	---	7.7E+02	n	5.4E+05	n	> S	---
Nitrophenol, 4-	100-02-7	7.3E+01	n	1.0E-01	n	---	1.0E+01	n	---	1.6E+02	n	4.8E+04	n	> S	---	5.1E+01	n	5.0E-02	n	---	5.0E+00	n	---	8.3E+01	n	3.1E+03	n	> S	---
Nitropropane, 2-	79-46-9	1.3E-01	c	---	---	---	---	---	---	1.3E-01	c	3.6E+00	c	---	---	6.8E-02	c	---	---	---	---	---	---	6.8E-02	c	2.3E-01	c	---	---
Nitroquinoline-N-oxide, 4-	56-57-5	4.0E-01	c	2.3E-04	c	---	2.3E-02	c	---	1.9E+00	c	2.7E+04	c	---	---	3.3E-01	c	1.2E-04	c	---	1.2E-02	c	---	9.7E-01	c	1.3E+04	c	---	---
Nitrosodiethanolamine, N-	1116-54-7	1.7E+00	c	6.6E-04	c	---	6.6E-02	c	---	---	---	---	---	---	---	1.7E+00	c	3.3E-04	c	---	3.3E-02	c	---	---	---	---	---	---	---
Nitrosodiethylamine, N-	55-18-5	2.5E-02	c	1.2E-05	c	---	1.2E-03	c	---	6.6E-02	c	1.5E+01	c	---	---	1.8E-02	c	6.2E-06	c	---	6.2E-04	c	---	3.4E-02	c	9.7E-01	c	---	---
Nitrosodimethylamine, N-	62-75-9	7.4E-02	c	3.7E-05	c	---	3.7E-03	c	---	2.0E-01	c	4.2E+01	c	---	---	5.5E-02	c	1.8E-05	c	---	1.8E-03	c	---	1.0E-01	c	2.7E+00	c	---	---
Nitrosodi-n-butylamine, N-	924-16-3	4.7E-01	c	1.9E-03	c	---	1.9E-01	c	---	1.0E+00	c	5.2E+01	c	---	---	3.3E-01	c	9.4E-04	c	---	9.4E-02	c	---	5.3E-01	c	3.4E+00	c	---	---
Nitrosodi-n-propylamine, N-	621-64-7	4.0E-01	c	3.5E-04	c	---	3.5E-02	c	---	---	---	---	---	---	---	4.0E-01	c	1.8E-04	c	---	1.8E-02	c	---	---	---	---	---	---	---
Nitrosodiphenylamine, N-	86-30-6	5.7E+02	c	2.8E+00	c	---	2.8E+02	c	---	---	---	---	---	---	---	5.7E+02	c	1.4E+00	c	---	1.4E+02	c	---	---	---	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	10595-95-6	2.8E-01	c	1.1E-04	c	---	1.1E-02	c	---	---	---	---	---	---	---	2.8E-01	c	5.7E-05	c	---	5.7E-03	c	---	---	---	---	---	---	---
Nitrosomorpholine, N-	59-89-2	5.0E-01	c	2.6E-04	c	---	2.6E-02	c	---	1.7E+00	c	5.2E+02	c	---	---	3.9E-01	c	1.3E-04	c	---	1.3E-02	c	---	8.8E-01	c	3.4E+01	c	---	---
Nitroso-N-ethylurea, N-	759-73-9	3.4E-02	c	2.1E-05	c	---	2.1E-03	c	---	---	---	---	---	---	---	3.4E-02	c	1.0E-05	c	---	1.0E-03	c	---	---	---	---	---	---	---
Nitrosopiperidine, N-	100-75-4	3.6E-01	c	2.1E-04	c	---	2.1E-02	c	---	1.3E+00	c	3.5E+02	c	---	---	2.9E-01	c	1.0E-04	c	---	1.0E-02	c	---	6.9E-01	c	2.3E+01	c	---	---
Nitrosopyrrolidine, N-	930-55-2	1.6E+00	c	8.4E-04	c	---	8.4E-02	c	---	5.8E+00	c	1.9E+03	c	---	---	1.3E+00	c	4.2E-04	c	---	4.2E-02	c	---	3.0E+00	c	1.2E+02	c	---	---
Nitrotoluene, m-	99-08-1	3.8E+02	n	1.8E+00	n	---	1.8E+02	n	---	8.7E+02	n	5.0E+04	n	> S	---	2.7E+02	n	9.2E-01	n	---	9.2E+01	n	---	4.5E+02	n	3.2E+03	n	> S	---
Nitrotoluene, o-	88-72-2	3.9E+02	n	1.8E+00	n	---	1.8E+02	n	---	9.5E+02	n	5.8E+04	n	> S	---	2.8E+02	n	9.2E-01	n	---	9.2E+01	n	---	4.9E+02	n	3.8E+03	n	> S	---
Nitrotoluene, p-	99-99-0	3.8E+02	n	1.8E+00	n	---	1.8E+02	n	---	8.6E+02	n	4.9E+04	n	> S	---	2.7E+02	n	9.2E-01	n	---	9.2E+01	n	---	4.4E+02	n	3.2E+03	n	> S	---
Nonachlor, cis-	5103-73-1	5.6E+00	c	1.3E+01	c	---	1.3E+03	c	> S	1.2E+03	c	1.0E+06	c	> S	---	5.6E+00	c	6.3E+00	c	---	6.3E+02	c	> S	6.4E+02	c	2.4E+05	c	> S	---
Nonachlor, trans-	39765-80-5	5.6E+00	c	1.3E+01	c	---	1.3E+03	c	> S	1.2E+03	c	1.0E+06	c	> S	---	5.6E+00	c	6.3E+00	c	---	6.3E+02	c	> S	6.4E+02	c	2.4E+05	c	> S	---
Nonanal	124-19-6	1.3E+04	n	1.5E+02	n	---	1.5E+04	n	> S	---	---	---	---	---	---	1.3E+04	n	7.4E+01	n	---	7.4E+03	n	> S	---	---	---	---	---	---
Nonylphenol	25154-52-3/ 84852-15-3/ 104-40-5	3.2E+03	n	1.5E+05	n	> S	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---	3.2E+03	n	7.4E+04	n	> S	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---
Octamethylpyrophosphoramide	152-16-9	1.3E+02	n	9.4E-02	n	---	9.4E+00	n	---	---	---	---	---	---	---	1.3E+02	n	4.7E-02	n	---	4.7E+00	n	---	---	---	---	---	---	---
Octanone	106-68-3	4.9E+03	n	1.1E+01	n	---	1.1E+03	n	---	9.0E+05	n	1.0E+06	n	> S	---	4.9E+03	n	5.5E+00	n	---	5.5E+02	n	---	4.6E+05	n	1.0E+06	n	> S	---
Oxamyl	23135-22-0	1.7E+03	n	4.2E-01	m	---	4.2E+01	m	---	---	---	---	---	---	---	1.7E+03	n	2.1E-01	m	---	2.1E+01	m	---	---	---	---	---	---	---
Oxychlordane	27304-13-8	5.6E+00	c	1.3E+01	c	---	1.3E+03	c	> S	1.2E+03	c	1.0E+06	c	> S	---	5.6E+00	c	6.3E+00	c	---	6.3E+02	c	> S	6.4E+02	c	2.4E+05	c	> S	---
Paraquat	1910-42-5	3.0E+02	n	2.1E-01	n	---	2.1E+01	n	---	---	---	---	---	---	---	3.0E+02	n	1.1E-01	n	---	1.1E+01	n	---	---	---	---	---	---	---
Parathion (ethyl parathion)	56-38-2	1.2E+02	n	3.3E+01	n	---	3.3E+03	n	> S	1.8E+02	n	3.4E+05	n	> S	---	7.3E+01	n	1.7E+01	n	---	1.7E+03	n	> S	9.0E+01	n	2.2E+04	n	> S	---
Pebulate	1114-71-2	3.3E+03	n	2.3E+01	n	---	2.3E+03	n	> S	---	---	---	---	---	---	3.3E+03	n	1.2E+01	n	---	1.2E+03	n	> S	---	---	---	---	---	---

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area															30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Pendimethalin	40487-42-1	2.5E+03	n	7.5E+03	n	> S	7.5E+05	n	> S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorobenzene	608-93-5	5.3E+01	n	2.5E+01	n	---	2.5E+03	n	> S	3.0E+04	n	1.0E+06	n	> S	---	2.5E+03	n	3.7E+03	n	> S	3.7E+05	n	> S	---	---	---	---	---	---
Pentachloroethane	76-01-7	6.7E+01	c	3.4E-01	c	---	3.4E+01	c	---	9.4E+01	c	2.8E+03	c	---	---	5.3E+01	n	1.2E+01	n	---	1.2E+03	n	> S	1.5E+04	n	6.3E+05	n	> S	---
Pentachloronitrobenzene	82-68-8	1.0E+01	c	1.8E+00	c	---	1.8E+02	c	> S	2.2E+02	n	6.5E+04	n	> S	---	4.0E+01	c	1.7E-01	c	---	1.7E+01	c	---	4.8E+01	c	1.8E+02	c	---	---
Pentachlorophenol	87-86-5	2.4E+00	c	1.8E-02	m	---	1.8E+00	m	---	4.5E+02	n	2.4E+05	n	> S	---	1.0E+01	c	9.2E-01	c	---	9.2E+01	c	> S	1.1E+02	n	4.2E+03	n	> S	---
Pentadiene, 1,3-trans-	2004-70-8	4.8E+03	n	1.3E+01	n	---	1.3E+03	n	---	2.8E+05	n	6.7E+05	n	> S	---	2.4E+00	c	9.2E-03	m	---	9.2E-01	m	---	2.3E+02	n	1.6E+04	n	> S	---
Pentaerythritol tetranitrate (PETN)	78-11-5	2.7E+04	n	2.5E+03	n	---	2.5E+05	n	> S	---	---	---	---	---	---	4.7E+03	n	6.5E+00	n	---	6.5E+02	n	---	1.4E+05	n	4.3E+04	n	> S	---
Pentane	109-66-0	4.9E+03	n	4.0E+03	n	---	4.0E+05	n	> S	5.4E+03	n	1.2E+03	n	< GW Ing	---	2.7E+04	n	1.2E+03	n	---	1.2E+05	n	> S	---	---	---	---	---	---
Pentanediol, 1,5-	111-29-5	3.0E+05	n	2.4E+02	n	---	2.4E+04	n	---	1.0E+06	n	1.0E+06	n	> S	---	2.6E+03	n	2.0E+03	n	---	2.0E+05	n	> S	2.8E+03	n	7.6E+01	n	< GW Ing	---
Pentanone, 2-	107-87-9	2.6E+03	n	2.2E+00	n	---	2.2E+02	n	---	1.2E+04	n	5.0E+05	n	> S	---	2.7E+05	n	1.2E+02	n	---	1.2E+04	n	---	1.0E+06	n	1.0E+06	n	> S	---
Pentyne, 1-	627-19-0	4.8E+03	n	1.3E+01	n	---	1.3E+03	n	---	2.8E+05	n	6.2E+05	n	> S	---	2.2E+03	n	1.1E+00	n	---	1.1E+02	n	---	6.4E+03	n	3.3E+04	n	> S	---
Perchlorate	14797-73-0	7.3E+00	n	2.0E-02	n	---	2.0E+00	n	---	---	---	---	---	---	---	4.7E+03	n	6.3E+00	n	---	6.3E+02	n	---	1.4E+05	n	4.0E+04	n	> S	---
Perylene	198-55-0	1.3E+03	n	7.6E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	7.3E+00	n	1.0E-02	n	---	1.0E+00	n	---	---	---	---	---	---	---
Phenacetin	62-44-2	1.8E+03	c	1.2E+00	c	---	1.2E+02	c	---	1.1E+04	c	1.0E+06	c	> S	---	1.3E+03	n	3.8E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Phenanthrene	85-01-8	1.7E+03	n	4.2E+02	n	---	4.2E+04	n	> S	---	---	---	---	---	---	1.5E+03	c	6.2E-01	c	---	6.2E+01	c	---	5.6E+03	c	2.3E+05	c	> S	---
Phenanthridine	229-87-8	2.0E+02	n	5.3E+00	n	---	5.3E+02	n	---	---	---	---	---	---	---	1.7E+03	n	2.1E+02	n	---	2.1E+04	n	> S	---	---	---	---	---	---
Phenol	108-95-2	2.9E+03	n	1.9E+01	n	---	1.9E+03	n	---	3.4E+03	n	7.2E+05	n	> S	---	2.0E+02	n	2.6E+00	n	---	2.6E+02	n	---	---	---	---	---	---	---
Phenylene diamine, m-	108-45-2	1.3E+01	n	2.9E-01	n	---	2.9E+01	n	---	1.4E+01	n	4.0E+03	n	---	---	1.6E+03	n	9.6E+00	n	---	9.6E+02	n	---	1.7E+03	n	4.7E+04	n	> S	---
Phenylene diamine, p-	106-50-3	1.5E+01	n	9.1E+00	n	---	9.1E+02	n	---	1.5E+01	n	4.5E+03	n	---	---	7.0E+00	n	1.4E-01	n	---	1.4E+01	n	---	7.2E+00	n	2.6E+02	n	---	---
Phenyl mercuric acetate	62-38-4	5.3E+00	n	1.6E-02	n	---	1.6E+00	n	---	---	---	---	---	---	---	7.6E+00	n	4.6E+00	n	---	4.6E+02	n	---	7.6E+00	n	2.9E+02	n	---	---
Phorate	298-02-2	1.0E+01	n	1.1E+00	n	---	1.1E+02	n	---	4.4E+01	n	2.2E+04	n	> S	---	5.3E+00	n	8.1E-03	n	---	8.1E-01	n	---	---	---	---	---	---	---
Phosalone	2310-17-0	1.3E+02	n	2.3E+00	n	---	2.3E+02	n	---	---	---	---	---	---	---	8.4E+00	n	5.4E-01	n	---	5.4E+01	n	---	2.3E+01	n	1.4E+03	n	> S	---
Phosdrin (mevinphos)	7786-34-7	1.7E+00	n	1.2E-03	n	---	1.2E-01	n	---	---	---	---	---	---	---	1.3E+02	n	1.2E+00	n	---	1.2E+02	n	---	---	---	---	---	---	---
Phosmet	732-11-6	6.8E+02	n	4.1E+00	n	---	4.1E+02	n	---	1.4E+03	n	6.4E+05	n	> S	---	1.7E+00	n	5.9E-04	n	---	5.9E-02	n	---	---	---	---	---	---	---
Phosphine	7803-51-2	3.8E+00	n	---	---	---	---	---	---	4.6E+00	n	---	---	---	---	4.6E+02	n	2.0E+00	n	---	2.0E+02	n	---	7.1E+02	n	4.1E+04	n	> S	---
Phosphorus, total*	7723-14-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.1E+00	n	---	---	---	---	---	---	2.4E+00	n	---	---	---	---
Phosphorus, white	7723-14-0	7.5E-01	n	2.3E-02	n	---	2.3E+00	n	---	1.5E+00	n	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phthalic anhydride	85-44-9	3.6E+04	n	2.5E+02	n	---	2.5E+04	n	---	5.0E+04	n	1.0E+06	n	> S	---	5.1E-01	n	1.1E-02	n	---	1.1E+00	n	---	7.9E-01	n	---	---	---	---
Picloram	1918-02-1	4.7E+03	n	9.8E-01	m	---	9.8E+01	m	---	---	---	---	---	---	---	2.1E+04	n	1.2E+02	n	---	1.2E+04	n	---	2.6E+04	n	1.0E+06	n	> S	---
Picoline, 2- (2-methylpyridine)	109-06-8	1.7E+01	n	5.6E-01	n	---	5.6E+01	n	---	1.7E+01	n	1.2E+03	n	---	---	4.7E+03	n	4.9E-01	m	---	4.9E+01	m	---	---	---	---	---	---	---
Polybrominated biphenyls (PBBs)	67774-32-7	9.7E-03	c	9.0E-03	c	---	9.0E-01	c	---	---	---	---	---	---	---	8.7E+00	n	2.8E-01	n	---	2.8E+01	n	---	8.8E+00	n	8.0E+01	n	---	---
Polychlorinated biphenyls (PCBs)	1336-36-3	1.1E+00	n	1.1E+01	m	---	1.1E+03	m	---	5.4E+01	c	6.2E+04	c	> S	---	9.7E-03	c	4.5E-03	c	---	4.5E-01	c	---	---	---	---	---	---	---
Potassium*	7440-09-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.1E+00	n	5.3E+00	m	---	5.3E+02	m	---	2.8E+01	c	4.0E+03	c	> S	---
Primene	68955-53-3	3.0E+02	n	5.4E+01	n	---	5.4E+03	n	---	1.8E+03	n	3.1E+05	n	> S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Prometon (pramitol)	1610-18-0	1.0E+03	n	9.6E+00	n	---	9.6E+02	n	---	---	---	---	---	---	---	2.6E+02	n	2.7E+01	n	---	2.7E+03	n	---	9.5E+02	n	2.0E+04	n	> S	---
Pronamide	23950-58-5	5.0E+03	n	1.8E+01	n	---	1.8E+03	n	> S	---	---	---	---	---	---	1.0E+03	n	4.8E+00	n	---	4.8E+02	n	---	---	---	---	---	---	---
Propanal (propionaldehyde)	123-38-6	5.3E+02	n	3.9E-01	n	---	3.9E+01	n	---	2.8E+03	n	7.4E+04	n	---	---	5.0E+03	n	9.1E+00	n	---	9.1E+02	n	> S	---	---	---	---	---	---
Propanil	709-98-8	3.3E+02	n	4.7E+00	n	---	4.7E+02	n	---	---	---	---	---	---	---	4.5E+02	n	2.0E-01	n	---	2.0E+01	n	---	1.4E+03	n	4.8E+03	n	---	---
Propanoic acid (propionic acid)	79-09-4	1.1E+02	n	2.3E+01	n	---	2.3E+03	n	---	1.1E+02	n	2.8E+04	n	---	---	3.3E+02	n	2.3E+00	n	---	2.3E+02	n	---	---	---	---	---	---	---
Propanol, 1-	71-23-8	9.4E+03	n	1.0E+01	n	---	1.0E+03	n	---	2.2E+04	n	1.0E+06	n	> S	---	5.8E+01	n	1.2E+01	n	---	1.2E+03	n	---	5.8E+01	n	1.8E+03	n	---	---
Propargite	2312-35-8	1.3E+03	n	1.1E+02	n	---	1.1E+04	n	> S	---	---	---	---	---	---	6.7E+03	n	5.0E+00	n	---	5.0E+02	n	---	1.1E+04	n	1.1E+05	n	> S	---
Propargyl alcohol	107-19-7	1.1E+02	n	1.0E-01	n	---	1.0E+01	n	---	2.9E+02	n	6.3E+04	n	---	---	1.3E+03	n	5.5E+01	n	---	5.5E+03	n	> S	---	---	---	---	---	---
Propazine	139-40-2	1.1E+02	c	9.5E-01	c	---	9.5E+01	c	---	---	---	---	---	---	---	7.9E+01	n	5.2E-02	n	---	5.2E+00	n	---	1.5E+02	n	4.1E+03	n	---	---
Propham	122-42-9	1.3E+03	n	1.9E+00	n	---	1.9E+02	n	---	---	---	---	---	---	---	1.1E+02	c	4.7E-01	c	---	4.7E+01	c	---	---	---	---	---	---	---
Propionitrile (propane nitrile)	107-12-0	2.9E+01	n	1.9E-02	n	---	1.9E+00	n	---	2.7E+02	n	1.5E+04	n	---	---	1.3E+03	n	9.7E-01	n	---	9.7E+01	n	---	---	---	---	---	---	---
Propyl acetate, n-	109-60-4	7.4E+03	n	5.3E+00	n	---	5.3E+02	n	---	---	---	---	---	---	---	2.7E+01	n	9.7E-03	n	---	9.7E-01	n	---	1.4E+02	n	9.8E+02	n	---	---
Propylbenzene, n-	103-65-1	2.2E+03	n	4.5E+01	n	---	4.5E+03	n	> S	6.3E+03	n	2.8E+05	n	> S	---	7.4E+03	n	2.7E+00	n	---	2.7E+02	n	---	---	---	---	---	---	---
Propylene glycol	57-55-6	1.9E+04	n	9.4E+02	n	---	9.4E+04	n	---	1.9E+04	n	1.0E+06	n	> S	---	1.6E+03	n	2.2E+01	n	---	2.2E+03	n	> S	3.3E+03	n	1.8E+04	n	> S	---
Propylene glycol monomethyl ether	107-98-2	4.6E+04	n	3.3E+01	n	---	3.3E+03	n	---	2.3E+05	n	1.0E+06	n	> S	---	9.7E+03	n	4.7E+02	n	---	4.7E+04	n	---	9.8E+03	n	3.2E+05	n	> S	---
Propylene oxide	75-56-9	2.0E+01	c	7.5E-03	c	---	7.5E-01	c	---	9.7E+01	c	3.1E+03	c	---	---	3.9E+04	n	1.7E+01	n	---	1.7E+03	n	---	1.2E+05	n	1.0E+06	n	> S	---
Propylene tetramer	6842-15-5	4.6E+03	n	2.5E+04	n	> S	1.0E+06	n	> S	1.5E+04	n	4.6E+05	n	> S	---	1.7E+01	c	3.8E-03	c	---	3.8E-01	c	---	5.0E+01	c	2.0E+02	c	---	---
Pyrene	129-00-0	1.7E+03	n	1.1E+03	n	> S	1.1E+05	n	> S	---	---	---	---	---	---	3.6E+03	n	1.3E+04	n	> S	1.0E+06	n	> S	7.9E+03	n	2.9E+04	n	> S	---
Pyridine	110-86-1	6.0E+01	n	6.9E-02	n	---	6.9E+00	n	---	2.3E+02	n	6.3E+02	n	---	---	1.7E+03	n	5.6E+02	n	> S	5.6E+04	n	> S	---	---	---	---	---	---
Quinoline	91-22-5	1.6E+00	c	7.5E-03	c	---	7.5E-01	c	---	3.0E+02	n	1.1E+05	n	---	---	4.8E+01	n	3.5E-02	n	---	3.5E+00	n	---	1.2E+02	n	4.1E+01	n	---	---
Ronnel	299-84-3	2.3E+03	n	4.2E+02	n	---	4.2E+04	n	> S	---	---	---	---	---	---	1.6E+00	c	3.8E-03	c	---	3.8E-01	c	---	1.6E+02	n	6.9E+03	n	---	---
Safrole	94-59-7	1.6E+01	c	1.6E-01	c	---	1.6E+01	c	---	6.7E+01	c	7.5E+03	c	> S	---	2.3E+03	n	2.1E+02	n	---	2.1E+04	n	> S	---	---	---	---	---	---
																1.3E+01	c	8.2E-02	c	---	8.2E+00	c	---	3.4E+01	c	4.8E+02	c	> S	---

Last update: March 31, 2004

Table 1
Tier 1 Residential Soil PCLs[1]

0.5 acre source area

Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$ [2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh-V}$ [4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Selenium	7782-49-2	3.1E+02	n	2.3E+00	m	---	2.3E+02	m	---	---	---	---	---	---	---
Selenourea	630-10-4	4.1E+02	n	---	---	---	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	9.6E+01	n	4.8E-01	n	---	4.8E+01	n	---	---	---	---	---	---	3.9E-01
Simazine	122-34-9	3.9E+01	c	5.5E-02	m	---	5.5E+00	m	---	---	---	---	---	---	---
Sodium*	7440-23-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	148-18-5	2.2E+01	c	---	---	---	---	---	---	---	---	---	---	---	---
Sodium polyacrylate	9003-04-7	1.2E+02	n	2.4E+01	n	---	2.4E+03	n	---	1.2E+02	n	3.0E+04	n	---	---
Strontium	7440-24-6	4.4E+04	n	6.1E+02	n	---	6.1E+04	n	---	---	---	---	---	---	---
Strychnine	57-24-9	2.0E+01	n	3.7E-02	n	---	3.7E+00	n	---	---	---	---	---	---	---
Styrene	100-42-5	9.7E+03	n	3.3E+00	m	---	3.3E+02	m	---	2.4E+04	n	1.0E+06	n	> S	---
Sulfate*	14808-79-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	18496-25-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	126-33-0	1.3E+00	n	9.4E-04	n	---	9.4E-02	n	---	---	---	---	---	---	---
Sulfur*	7704-34-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	1746-01-6	1.0E-03	---	1.7E-02	m	---	1.7E+00	m	---	---	---	---	---	---	---
Tebuconazole	107534-96-3	2.0E+03	n	3.1E+01	n	---	3.1E+03	n	> S	---	---	---	---	---	---
Tebuthiuron	34014-18-1	4.7E+03	n	5.4E+00	n	---	5.4E+02	n	---	---	---	---	---	---	---
Terbufos	13071-79-9	1.7E+00	n	3.4E-01	n	---	3.4E+01	n	---	---	---	---	---	---	---
Tert-amyl-methyl ether (TAME)	994-05-8	3.3E+03	n	3.8E+00	n	---	3.8E+02	n	---	---	---	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	3.3E+03	n	4.6E+00	n	---	4.6E+02	n	---	5.8E+03	n	2.2E+05	n	---	---
Tetrachlorobenzene, 1,2,3,4-	634-66-2	2.0E+01	n	1.2E+01	n	---	1.2E+03	n	---	1.3E+05	n	1.0E+06	n	> S	---
Tetrachlorobenzene, 1,2,3,5-	634-90-2	1.3E+01	n	1.9E+00	n	---	1.9E+02	n	---	5.8E+04	n	1.0E+06	n	> S	---
Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.0E+01	n	4.8E-01	n	---	4.8E+01	n	> S	3.4E+04	n	1.0E+06	n	> S	---
Tetrachloroethane, 1,1,1,2-	630-20-6	6.5E+01	c	1.4E+00	c	---	1.4E+02	c	---	9.1E+01	c	4.5E+03	c	---	---
Tetrachloroethane, 1,1,2,2-	79-34-5	6.9E+00	c	2.3E-02	c	---	2.3E+00	c	---	8.9E+00	c	2.2E+02	c	---	---
Tetrachloroethylene (perchlorethylene)	127-18-4	9.8E+01	c	5.0E-02	m	---	5.0E+00	m	---	6.2E+02	c	3.3E+03	c	> S	---
Tetrachlorophenol, 2,3,4,5-	4901-51-3	3.8E+02	n	1.5E+01	n	---	1.5E+03	n	---	6.7E+03	n	1.0E+06	n	> S	---
Tetrachlorophenol, 2,3,4,6-	58-90-2	1.7E+02	n	4.5E+00	n	---	4.5E+02	n	---	2.0E+03	n	4.2E+05	n	> S	---
Tetrachlorophenol, 2,3,5,6-	935-95-5	2.1E+01	n	2.2E+00	n	---	2.2E+02	n	> S	1.8E+02	n	6.0E+03	n	> S	---
Tetradifon	116-29-0	1.0E+03	n	8.7E+01	n	---	8.7E+03	n	> S	---	---	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	2.8E+01	n	3.9E-01	n	---	3.9E+01	n	---	1.9E+02	n	1.1E+05	n	> S	---
Tetraethyl lead	78-00-2	6.6E-03	n	5.0E-04	n	---	5.0E-02	n	---	2.0E+00	n	1.6E+02	n	---	---
Tetrahydrofuran	109-99-9	1.5E+02	c	2.5E-01	c	---	2.5E+01	c	---	1.9E+02	c	4.6E+03	c	---	---
Tetrahydropyran	142-68-7	1.6E+02	c	2.7E-01	c	---	2.7E+01	c	---	2.0E+02	c	5.9E+03	c	---	---
Thallium and compounds (as thallium chloride)	7791-12-0	6.3E+00	n	1.7E+00	m	---	1.7E+02	m	---	---	---	---	---	---	---
Thiofanox	39196-18-4	1.9E+01	n	3.1E-02	n	---	3.1E+00	n	---	3.2E+02	n	1.1E+05	n	> S	---
Thionazin	297-97-2	4.7E+00	n	1.1E-02	n	---	1.1E+00	n	---	---	---	---	---	---	---
Thiophanate-methyl	23564-05-8	5.3E+03	n	4.5E+00	n	---	4.5E+02	n	> S	---	---	---	---	---	---
Thiram	137-26-8	2.6E+02	n	3.5E+00	n	---	3.5E+02	n	---	1.3E+03	n	9.1E+05	n	> S	---
Tin	7440-31-5	3.5E+04	n	3.7E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---
Titanium	7440-32-6	1.0E+06	n	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	4.5E+03	n	8.2E+00	m	---	8.2E+02	m	---	6.1E+03	n	5.1E+04	n	> S	---
Toluenediamine, 2,4-	95-80-7	1.5E+00	c	1.5E-02	c	---	1.5E+00	c	---	7.8E+03	n	1.0E+06	n	---	---
Toluenediamine, 2,6-	823-40-5	1.3E+04	n	9.6E+00	n	---	9.6E+02	n	---	---	---	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	26471-62-5	1.5E+02	n	---	---	---	---	---	---	1.5E+02	n	1.7E+05	n	---	---
Toluidine, o-	95-53-4	1.7E+01	c	3.8E-02	c	---	3.8E+00	c	---	1.4E+02	c	2.7E+04	c	---	---
Toluidine, p-	106-49-0	2.5E+01	c	1.4E-02	c	---	1.4E+00	c	---	---	---	---	---	---	---
Toxaphene	8001-35-2	1.2E+00	c	1.2E+01	m	---	1.2E+03	m	---	9.6E+02	c	1.0E+06	c	> S	---
TP Silvex, 2,4,5-	93-72-1	5.2E+02	n	5.3E+00	m	---	5.3E+02	m	---	2.6E+04	n	1.0E+06	n	> S	---
Triademenol	55219-65-3	2.0E+03	n	8.4E+00	n	---	8.4E+02	n	---	---	---	---	---	---	---
Triallate	2303-17-5	3.2E+02	n	1.9E+01	n	---	1.9E+03	n	> S	---	---	---	---	---	---
Triaminotrinitrobenzene (TATB)	3058-38-6	1.3E+02	n	6.4E-02	c	---	6.4E+00	c	---	3.8E+02	n	8.9E+05	n	> S	---
Tributyltin oxide	56-35-9	7.4E-01	n	---	---	---	---	---	---	7.7E-01	n	---	---	---	---
Trichlorobenzene, 1,2,3-	87-61-6	1.9E+02	n	2.6E+01	n	---	2.6E+03	n	---	6.0E+03	n	9.6E+05	n	> S	---
Trichlorobenzene, 1,2,4-	120-82-1	6.4E+02	n	4.8E+00	m	---	4.8E+02	m	---	1.5E+04	n	1.0E+06	n	> S	---
Trichlorobenzene, 1,3,5-	108-70-3	1.9E+02	n	7.5E+00	n	---	7.5E+02	n	---	2.5E+03	n	2.1E+05	n	> S	---

30 acre source area

Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$ [2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh-V}$ [4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Selenium	7782-49-2	3.1E+02	n	1.1E+00	m	---	1.1E+02	m	---	---	---	---	---	---	---
Selenourea	630-10-4	4.1E+02	n	---	---	---	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	9.5E+01	n	2.4E-01	n	---	2.4E+01	n	---	---	---	---	---	---	2.0E-01
Simazine	122-34-9	3.9E+01	c	2.8E-02	m	---	2.8E+00	m	---	---	---	---	---	---	---
Sodium*	7440-23-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	148-18-5	2.2E+01	c	---	---	---	---	---	---	---	---	---	---	---	---
Sodium polyacrylate	9003-04-7	6.2E+01	n	1.2E+01	n	---	1.2E+03	n	---	6.2E+01	n	1.9E+03	n	---	---
Strontium	7440-24-6	4.4E+04	n	3.1E+02	n	---	3.1E+04	n	---	---	---	---	---	---	---
Strychnine	57-24-9	2.0E+01	n	1.9E-02	n	---	1.9E+00	n	---	---	---	---	---	---	---
Styrene	100-42-5	7.0E+03	n	1.6E+00	m	---	1.6E+02	m	---	1.2E+04	n	6.8E+04	n	> S	---
Sulfate*	14808-79-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	18496-25-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	126-33-0	1.3E+00	n	4.7E-04	n	---	4.7E-02	n	---	---	---	---	---	---	---
Sulfur*	7704-34-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	1746-01-6	1.0E-03	---	8.5E-03	m	---	8.5E-01	m	---	---	---	---	---	---	---
Tebuconazole	107534-96-3	2.0E+03	n	1.6E+01	n	---	1.6E+03	n	> S	---	---	---	---	---	---
Tebuthiuron	34014-18-1	4.7E+03	n	2.7E+00	n	---	2.7E+02	n	---	---	---	---	---	---	---
Terbufos	13071-79-9	1.7E+00	n	1.7E-01	n	---	1.7E+01	n	---	---	---	---	---	---	---
Tert-amyl-methyl ether (TAME)	994-05-8	3.3E+03	n	1.9E+00	n	---	1.9E+02	n	---	---	---	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	2.1E+03	n	2.3E+00	n	---	2.3E+02	n	---	3.0E+03	n	1.4E+04	n	---	---
Tetrachlorobenzene, 1,2,3,4-	634-66-2	2.0E+01	n	6.0E+00	n	---	6.0E+02	n	---	6.8E+04	n	1.0E+06	n	> S	---
Tetrachlorobenzene, 1,2,3,5-	634-90-2	1.3E+01	n	9.4E-01	n	---	9.4E+01	n	---	3.0E+04	n	5.5E+05	n	> S	---
Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.0E+01	n	2.4E-01	n	---	2.4E+01	n	> S	1.7E+04	n	1.6E+05	n	> S	---
Tetrachloroethane, 1,1,1,2-	630-20-6	3.9E+01	c	7.1E-01	c	---	7.1E+01	c	---	4.7E+01	c	2.9E+02	c	---	---
Tetrachloroethane, 1,1,2,2-	79-34-5	4.0E+00	c	1.2E-02	c	---	1.2E+00	c	---	4.6E+00	c	1.4E+01	c	---	---
Tetrachloroethylene (perchlorethylene)	127-18-4	8.5E+01	c	2.5E-02	m	---	2.5E+00	m	---	3.2E+02	c	2.1E+02	c	> S	---
Tetrachlorophenol, 2,3,4,5-	4901-51-3	3.6E+02	n	7.4E+00	n	---	7.4E+02	n	---	3.5E+03	n	2.5E+05	n	> S	---
Tetrachlorophenol, 2,3,4,6-	58-90-2	1.6E+02	n	2.2E+00	n	---	2.2E+02	n	---	1.0E+03	n	2.7E+04	n	> S	---
Tetrachlorophenol, 2,3,5,6-	935-95-5	1.9E+01	n	1.1E+00	n	---	1.1E+02	n	> S	9.4E+01	n	3.9E+02	n	> S	---
Tetradifon	116-29-0	1.0E+03	n	4.4E+01	n	---	4.4E+03	n	> S	---	---	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	2.5E+01	n	1.9E-01	n	---	1.9E+01	n	---	1.0E+02	n	7.0E+03	n	> S	---
Tetraethyl lead	78-00-2	6.6E-03	n	2.5E-04	n	---	2.5E-02	n	---	1.0E+00	n	1.0E+01	n	---	---
Tetrahydrofuran	109-99-9	8.6E+01	c	1.2E-01	c	---	1.2E+01	c	---	9.7E+01	c	3.0E+02	c	---	---
Tetrahydropyran	142-68-7	9.2E+01	c	1.4E-01	c	---	1.4E+01	c	---	1.0E+02	c	3.8E+02	c	---	---
Thallium and compounds (as thallium chloride)	7791-12-0	6.3E+00	n	8.7E-01	m	---	8.7E+01	m	---	---	---	---	---	---	---
Thiofanox	39196-18-4	1.8E+01	n	1.6E-02	n	---	1.6E+00	n	---	1.6E+02	n	6.8E+03	n	> S	---
Thionazin	297-97-2	4.7E+00	n	5.5E-03	n	---	5.5E-01	n	---	---	---	---	---	---	---
Thiophanate-methyl	23564-05-8	5.3E+03	n	2.2E+00	n	---	2.2E+02	n	> S	---	---	---	---	---	---
Thiram	137-26-8	2.2E+02	n	1.8E+00	n	---	1.8E+02	n	---	6.5E+02	n	5.9E+04	n	> S	---
Tin	7440-31-5	3.5E+04	n	1.8E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---
Titanium	7440-32-6	1.0E+06	n	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	2.6E+03	n	4.1E+00	m	---	4.1E+02	m	---	3.2E+03	n	3.3E+03	n	> S	---
Toluenediamine, 2,4-	95-80-7	1.5E+00	c	7.6E-03	c	---	7.6E-01	c	---	4.0E+03	n	4.4E+05	n	---	---
Toluenediamine, 2,6-	823-40-5	1.3E+04	n	4.8E+00	n	---	4.8E+02	n	---	---	---	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	26471-62-5	7.5E+01	n	---	---	---	---	---	---	7.5E+01	n	1.1E+04	n	---	---
Toluidine, o-	95-53-4	1.5E+01	c	1.9E-02	c	---	1.9E+00	c	---	7.1E+01	c	1.7E+03	c	---	---
Toluidine, p-	106-49-0	2.5E+01	c	7.0E-03	c	---	7.0E-01	c	---	---	---	---	---	---	---
Toxaphene	8001-35-2	1.2E+00	c	5.8E+00	m	---	5.8E+02	m	---	4.9E+02	c	4.4E+05	c	> S	---
TP Silvex, 2,4,5-	93-72-1	5.1E+02	n	2.6E+00	m	---	2.6E+02	m	---	1.3E+04	n	1.0E+06	n	> S	---
Triademenol	55219-65-3	2.0E+03	n	4.2E+00	n	---	4.2E+02	n	---	---	---	---	---	---	---
Triallate	2303-17-5	3.2E+02	n	9.5E+00	n	---	9.5E+02	n	> S	---	---	---	---	---	---
Triaminotrinitrobenzene (TATB)	3058-38-6	9.9E+01	n	3.2E-02	c	---	3.2E+00	c	---	2.0E+02	n	3.9E+05	n	> S	---
Tributyltin oxide	56-35-9	3.9E-01	n	---	---	---	---	---	---	3.9E-01	n	---	---	---	---
Trichlorobenzene, 1,2,3-	87-61-6	1.9E+02	n	1.3E+01	n	---	1.3E+03	n	---	3.1E+03	n	6.2E+04	n	> S	---
Trichlorobenzene, 1,2,4-	120-82-1	6.1E+02	n	2.4E+00	m	---	2.4E+02	m	---	7.8E+03	n	6.9E+04	n	> S	---
Trichlorobenzene, 1,3,5-	108-70-3	1.7E+02	n	3.7E+00	n	---	3.7E+02	n	---	1.3E+03	n	1.3E+04	n	> S	---

Table 1
Tier 1 Residential Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area														30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
Trichloroethane, 1,1,1-	71-55-6	7.9E+03	n	1.6E+00	m	1.6E+02	m	1.5E+04	n	6.4E+04	n	> S	5.3E+03	n	8.1E-01	m	8.1E+01	m	7.9E+03	n	4.2E+03	n	> S	---
Trichloroethane, 1,1,2-	79-00-5	1.8E+01	c	2.0E-02	m	2.0E+00	m	2.2E+01	c	3.2E+02	c	---	1.0E+01	c	1.0E-02	m	1.0E+00	m	1.2E+01	c	2.1E+01	c	---	---
Trichloroethylene	79-01-6	1.5E+02	c	3.4E-02	m	3.4E+00	m	2.1E+02	c	1.1E+03	c	---	9.1E+01	c	1.7E-02	m	1.7E+00	m	1.1E+02	c	7.1E+01	c	---	---
Trichlorofluoromethane	75-69-4	1.6E+04	n	1.3E+02	n	1.3E+04	n	4.3E+04	n	7.1E+04	n	> S	1.2E+04	n	6.4E+01	n	6.4E+03	n	2.2E+04	n	4.6E+03	n	> S	---
Trichloronate	327-98-0	1.4E+02	n	1.2E+02	n	1.2E+04	n	> S	---	---	---	---	1.4E+02	n	6.2E+01	n	6.2E+03	n	> S	---	---	---	---	---
Trichlorophenol, 2,3,4-	15950-66-0	5.8E+03	n	5.9E+01	n	5.9E+03	n	4.4E+04	n	1.0E+06	n	> S	5.2E+03	n	3.0E+01	n	3.0E+03	n	2.3E+04	n	1.0E+06	n	> S	---
Trichlorophenol, 2,3,5-	933-78-8	5.4E+03	n	2.8E+01	n	2.8E+03	n	2.9E+04	n	1.0E+06	n	> S	4.6E+03	n	1.4E+01	n	1.4E+03	n	1.5E+04	n	7.9E+05	n	> S	---
Trichlorophenol, 2,3,6-	933-75-5	4.3E+02	n	2.9E+01	n	2.9E+03	n	> S	2.4E+03	n	9.8E+04	n	> S	3.7E+02	n	1.4E+01	n	1.4E+03	n	> S	1.2E+03	n	6.4E+03	n	> S	---
Trichlorophenol, 2,4,5-	95-95-4	5.1E+03	n	3.4E+01	n	3.4E+03	n	2.1E+04	n	1.0E+06	n	> S	4.1E+03	n	1.7E+01	n	1.7E+03	n	1.1E+04	n	4.1E+05	n	> S	---
Trichlorophenol, 2,4,6-	88-06-2	3.5E+02	c	5.9E-01	c	5.9E+01	c	2.0E+03	c	3.5E+05	c	> S	3.0E+02	c	3.0E-01	c	3.0E+01	c	1.0E+03	c	2.3E+04	c	> S	---
Trichlorophenol, 3,4,5-	609-19-8	6.3E+03	n	3.3E+02	n	3.3E+04	n	1.1E+05	n	1.0E+06	n	> S	6.0E+03	n	1.6E+02	n	1.6E+04	n	5.7E+04	n	1.0E+06	n	> S	---
Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	5.6E+02	n	9.9E-01	n	9.9E+01	n	3.5E+03	n	1.0E+06	n	> S	4.8E+02	n	4.9E-01	n	4.9E+01	n	1.8E+03	n	6.6E+04	n	> S	---
Trichloropropane, 1,1,2-	598-77-6	2.8E+02	n	1.5E+00	n	1.5E+02	n	9.2E+02	n	6.4E+03	n	> S	2.2E+02	n	7.3E-01	n	7.3E+01	n	4.7E+02	n	4.1E+02	n	> S	---
Trichloropropane, 1,2,3-	96-18-4	8.7E-01	c	2.3E-03	c	2.3E-01	c	2.8E+03	n	1.1E+05	n	> S	8.7E-01	c	1.1E-03	c	1.1E-01	c	1.4E+03	n	7.3E+03	n	> S	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	3.9E+05	n	8.0E+04	n	> S	1.0E+06	n	> S	4.6E+05	n	1.0E+06	n	> S	2.2E+05	n	4.0E+04	n	> S	1.0E+06	n	> S	2.4E+05	n	6.5E+04	n	> S	---
Triethanolamine	102-71-6	7.3E+02	n	9.4E+00	n	9.4E+02	n	7.7E+02	n	1.0E+06	n	---	3.8E+02	n	4.7E+00	n	4.7E+02	n	4.0E+02	n	1.0E+06	n	---	---
Triethylamine	121-44-8	1.1E+02	n	---	---	---	---	1.1E+02	n	1.6E+03	n	---	5.5E+01	n	---	---	---	---	5.5E+01	n	1.0E+02	n	---	---
Triethylene glycol	112-27-6	2.0E+05	n	1.4E+02	n	1.4E+04	n	---	---	---	---	---	2.0E+05	n	7.0E+01	n	7.0E+03	n	---	---	---	---	---	---
Triethylphosphorothioate, O, O, O-	126-68-1	5.5E-01	n	4.4E-03	n	4.4E-01	n	---	---	---	---	---	5.5E-01	n	2.2E-03	n	2.2E-01	n	---	---	---	---	---	---
Trifluralin	1582-09-8	2.7E+02	c	6.5E+01	c	6.5E+03	c	> S	1.6E+04	n	1.0E+06	n	> S	2.7E+02	c	3.3E+01	c	3.3E+03	c	> S	8.3E+03	n	9.4E+05	n	> S	---
Trimethylamine	75-50-3	1.5E+02	n	---	---	---	---	1.5E+02	n	4.4E+03	n	---	7.6E+01	n	---	---	---	---	7.6E+01	n	2.8E+02	n	---	---
Trimethylbenzene, 1,2,3-	526-73-8	1.2E+02	n	3.2E+01	n	3.2E+03	n	> S	1.2E+02	n	4.9E+03	n	> S	6.1E+01	n	1.6E+01	n	1.6E+03	n	> S	6.2E+01	n	3.1E+02	n	> S	---
Trimethylbenzene, 1,2,4-	95-63-6	1.3E+02	n	4.9E+01	n	4.9E+03	n	> S	1.3E+02	n	6.5E+03	n	> S	6.8E+01	n	2.4E+01	n	2.4E+03	n	> S	6.9E+01	n	4.2E+02	n	> S	---
Trimethylbenzene, 1,3,5-	108-67-8	1.1E+02	n	5.3E+01	n	5.3E+03	n	> S	1.2E+02	n	5.5E+03	n	> S	5.9E+01	n	2.7E+01	n	2.7E+03	n	> S	6.0E+01	n	3.5E+02	n	> S	---
Trinitrobenzene, 1,3,5-	99-35-4	2.0E+03	n	1.8E+00	n	1.8E+02	n	---	---	---	---	---	2.0E+03	n	9.1E-01	n	9.1E+01	n	---	---	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	479-45-8	6.8E+01	n	2.8E+00	n	2.8E+02	n	---	7.6E+01	n	5.0E+04	n	> S	3.7E+01	n	1.4E+00	n	1.4E+02	n	---	3.9E+01	n	9.4E+03	n	> S	---
Trinitrotoluene, 2,4,6-	118-96-7	2.3E+01	n	1.7E-01	n	1.7E+01	n	---	7.2E+01	n	3.1E+04	n	> S	1.7E+01	n	8.6E-02	n	8.6E+00	n	---	3.7E+01	n	2.0E+03	n	> S	---
Uranium (soluble salts)	7440-61-1	2.2E+02	n	1.8E+03	m	1.8E+05	m	---	---	---	---	---	2.2E+02	n	8.9E+02	m	8.9E+04	m	---	---	---	---	---	---
Valeric acid (pentanoic acid)	109-52-4	1.3E+02	n	2.3E+01	n	> S	2.3E+03	n	> S	1.3E+02	n	3.8E+04	n	> S	6.8E+01	n	1.2E+01	n	> S	1.2E+03	n	> S	6.8E+01	n	2.5E+03	n	> S	---
Vanadium	7440-62-2	2.9E+02	n	3.4E+03	n	---	3.4E+05	n	---	---	---	---	2.9E+02	n	1.7E+03	n	---	1.7E+05	n	---	---	---	---	---
Vernam	1929-77-7	6.7E+01	n	2.7E+00	n	---	2.7E+02	n	---	---	---	---	6.7E+01	n	1.4E+00	n	---	1.4E+02	n	---	---	---	---	---
Vinyl acetate	108-05-4	3.0E+03	n	5.3E+01	n	---	5.3E+03	n	---	3.1E+03	n	3.1E+04	n	---	1.5E+03	n	2.7E+01	n	---	2.7E+03	n	---	1.6E+03	n	2.0E+03	n	---	---
Vinyl chloride	75-01-4	3.7E+00	c	2.2E-02	m	---	2.2E+00	m	---	4.1E+01	c	4.0E+01	c	---	3.4E+00	c	1.1E-02	m	---	1.1E+00	m	---	2.1E+01	c	2.6E+00	c	---	---
Vinylcyclohexane	695-12-5	1.5E+02	n	1.4E+03	n	> S	1.4E+05	n	> S	1.5E+02	n	2.5E+03	n	> S	7.9E+01	n	7.1E+02	n	> S	7.1E+04	n	> S	7.9E+01	n	1.6E+02	n	> S	---
Warfarin	81-81-2	1.8E+01	n	2.8E-01	n	---	2.8E+01	n	---	1.8E+02	n	1.8E+05	n	> S	1.6E+01	n	1.4E-01	n	---	1.4E+01	n	---	9.1E+01	n	1.2E+04	n	> S	---
Xylene, m-	108-38-3	6.4E+03	n	1.1E+02	m	---	1.1E+04	m	> S	6.7E+03	n	7.9E+04	n	> S	3.4E+03	n	5.3E+01	m	---	5.3E+03	m	> S	3.4E+03	n	5.1E+03	n	> S	---
Xylene, o-	95-47-6	3.7E+04	n	7.1E+01	m	---	7.1E+03	m	> S	4.9E+04	n	1.0E+06	n	> S	2.2E+04	n	3.5E+01	m	---	3.5E+03	m	> S	2.5E+04	n	2.5E+05	n	> S	---
Xylene, p-	106-42-3	6.4E+03	n	1.5E+02	m	---	1.5E+04	m	> S	6.7E+03	n	1.0E+05	n	> S	3.4E+03	n	7.5E+01	m	---	7.5E+03	m	> S	3.4E+03	n	6.5E+03	n	> S	---
Xylenes	1330-20-7	1.4E+03	n	1.2E+02	m	---	1.2E+04	m	> S	1.5E+03	n	2.1E+04	n	> S	7.5E+02	n	6.1E+01	m	---	6.1E+03	m	> S	7.9E+02	n	1.3E+03	n	> S	---
Zinc	7440-66-6	9.9E+03	n	2.4E+03	n	---	2.4E+05	n	---	---	---	---	1.6E+03	9.9E+03	n	1.2E+03	n	---	1.2E+05	n	---	---	---	---	---	---	---	8.0E+02
6 C aliphatics (TPH)	NA	1.9E+03	n	1.7E+02	n	---	1.7E+04	n	> S	3.1E+03	n	3.7E+03	n	---	1.2E+03	n	8.6E+01	n	---	8.6E+03	n	> S	1.6E+03	n	2.4E+02	n	---	---
>6-8 C aliphatics (TPH)	NA	1.9E+03	n	4.2E+02	n	---	4.2E+04	n	> S	3.1E+03	n	6.1E+03	n	> S	1.2E+03	n	2.1E+02	n	---	2.1E+04	n	> S	1.6E+03	n	3.9E+02	n	> S	---
>8-10 C aliphatics (TPH)	NA	5.3E+03	n	3.6E+03	n	> S	3.6E+05	n	> S	1.5E+04	n	9.7E+04	n	> S	4.0E+03	n	1.8E+03	n	> S	1.8E+05	n	> S	7.9E+03	n	6.3E+03	n	> S	---
>10-12 C aliphatics (TPH)	NA	4.6E+03	n	2.5E+04	n	> S	1.0E+06	n	> S	1.5E+04	n	4.6E+05	n	> S	3.6E+03	n	1.3E+04	n	> S	1.0E+06	n	> S	7.9E+03	n	2.9E+04	n	> S	---
>12-16 C aliphatics (TPH)	NA	5.2E+03	n	4.9E+05	n	> S	1.0E+06	n	> S	2.4E+04	n	1.0E+06	n	> S	4.3E+03	n	2.5E+05	n	> S	1.0E+06	n	> S	1.2E+04	n	1.3E+05	n	> S	---
>16-21 C aliphatics (TPH)	NA	1.3E+05	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	1.3E+05	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	NA	1.1E+05	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	1.1E+05	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
>7-8 C aromatics (TPH)	NA	5.3E+03	n	2.0E+01	n	---	2.0E+03	n	---	1.5E+04	n	1.3E+05	n	> S	4.0E+03	n	1.0E+01	n	---	1.0E+03	n	---	7.9E+03	n	8.2E+03	n	> S	---
>8-10 C aromatics (TPH)	NA	1.6E+03	n	6.5E+01	n	---	6.5E+03	n	> S	3.1E+03	n	1.2E+05	n	> S	1.1E+03	n	3.3E+01	n	---	3.3E+03	n	> S	1.6E+03	n	7.6E+03	n	> S	---
>10-12 C aromatics (TPH)	NA	1.9E+03	n	1.0E+02	n	---	1.0E+04	n	> S	6.6E+03	n	4.4E+05	n	> S	1.5E+03	n	5.0E+01	n	---	5.0E+03	n	> S	3.4E+03	n	2.8E+04	n	> S	---
>12-16 C aromatics (TPH)	NA	2.3E+03	n	2.0E+02	n	---	2.0E+04	n	> S	1.5E+04	n	1.0E+06	n	> S	2.0E+03	n	9.9E+01	n	---	9.9E+03	n	> S	7.8E+03	n	9.8E+04	n	> S	---
>16-21 C aromatics (TPH)	NA	1.9E+03	n	4.7E+02	n	> S	4.7E+04	n	> S	---	---	---	---	---	1.9E+03	n	2.3E+02	n	> S	2.3E+04	n	> S	---	---	---	---	---	---
>21-35 C aromatics (TPH)	NA	1.9E+03	n	3.7E+03	n	> S	3.7E+05	n	> S	---	---	---	---	---	1.9E+03	n	1.8E+03	n	> S	1.8E+05	n	> S	---	---	---	---	---	---
Transformer mineral oil	NA	2.6E+04	n	2.5E+05	n	---	1.0E+06	n	---	8.4E+04	n	1.0E+06	n	---	---	2.0E+04	n	1.3E+05	n	---	1.0E+06	n	---	4.3E+04	n	6.1E+05	n	---	---

Table 1
Tier 1 Residential Soil PCLs[1]

		0.5 acre source area											30 acre source area										
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$ [2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$ [4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$ [2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\text{-}V}$ [4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)

Footnotes

[1]In accordance with §350.72(b), when establishing Tier 1 PCLs for individual COCs for each of the individual and combined human health exposure pathways, the person must evaluate whether the PCLs need to be adjusted to lower concentrations to meet the cumulative carcinogenic risk level and hazard index criteria specified in §350.72(c). For COCs which exhibit both carcinogenic and noncarcinogenic characteristics, they shall be evaluated as both a carcinogen and noncarcinogen when determining whether the PCL established for an individual COC for each of the individual and combined human health exposure pathways needs to be adjusted to a lower concentration to meet the cumulative risk and hazard criteria. The person shall then use the lower of the carcinogenic or noncarcinogenic PCL as the Tier 1 human health PCL. In other words, the Tier 1 PCLs provided in this table for an individual COC should not be used as the final Tier 1 human health PCL for any of the individual or combined exposure pathways in cases where there are more than 10 carcinogenic and/or more than 10 noncarcinogenic COCs within a source medium unless it can be demonstrated that further downward adjustment is not necessary to meet the cumulative risk and hazard criteria.

[2]Combined includes inhalation, ingestion, dermal, vegetable consumption pathways

[3]c = carcinogenic; n = noncarcinogenic; m = primary MCL-based; a = EPA Action Level-based; > S = solubility limit exceeded during calculation; < GW Ing = less than $^{GW}GW_{Ing}$ value

[4]For subsurface soils only

[5]Please contact the TNRCC for assistance in determining a site-specific approach for $^{GW}Soil_{Ing}$ values for these compounds.

[6]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

[7]Persons must use the value provided in the "^{GW}Soil for Secondary MCL" column of this table as the ^{GW}Soil PCL for MTBE if the conditions described in §350.74(f)(3) exist.

[8]These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

All values capped at 1E+06

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area														30 acre source area													
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Acenaphthene	83-32-9	3.7E+04	n	7.1E+02	n	> S	7.1E+04	n	> S	---	---	---	---	---	---	3.7E+04	n	3.5E+02	n	> S	3.5E+04	n	> S	---	---	---	---	---	---
Acenaphthylene	208-96-8	3.7E+04	n	1.2E+03	n	> S	1.2E+05	n	> S	---	---	---	---	---	---	3.7E+04	n	6.1E+02	n	> S	6.1E+04	n	> S	---	---	---	---	---	---
Acetaldehyde	75-07-0	2.0E+02	n	1.5E+01	n	---	1.5E+03	n	---	2.0E+02	n	6.7E+03	n	---	---	1.0E+02	n	7.4E+00	n	---	7.4E+02	n	---	1.0E+02	n	4.3E+02	n	---	---
Acetic acid*	64-19-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	67-64-1	1.6E+04	n	1.3E+02	n	---	1.3E+04	n	---	1.6E+04	n	6.9E+05	n	---	---	8.1E+03	n	6.4E+01	n	---	6.4E+03	n	---	8.2E+03	n	4.5E+04	n	---	---
Acetone cyanohydrin	75-86-5	2.3E+02	n	1.1E-01	n	---	1.1E+01	n	---	4.0E+02	n	6.2E+04	n	---	---	1.5E+02	n	5.7E-02	n	---	5.7E+00	n	---	2.1E+02	n	4.0E+03	n	---	---
Acetonitrile	75-05-8	1.8E+03	n	---	---	---	---	---	---	1.8E+03	n	8.7E+04	n	---	---	9.4E+02	n	---	---	---	---	---	---	9.4E+02	n	5.6E+03	n	---	---
Acetophenone	98-86-2	6.1E+03	n	2.5E+01	n	---	2.5E+03	n	---	6.7E+03	n	6.4E+05	n	> S	---	3.3E+03	n	1.2E+01	n	---	1.2E+03	n	---	3.5E+03	n	4.1E+04	n	> S	---
Acetylaminofluorene, 2-	53-96-3	4.3E+00	c	1.0E-02	c	---	1.0E+00	c	---	3.1E+01	c	2.0E+04	c	> S	---	3.8E+00	c	5.1E-03	c	---	5.1E-01	c	---	1.6E+01	c	1.7E+03	c	> S	---
Acifluorfen, sodium	62476-59-9	4.5E+03	n	6.1E+00	n	---	6.1E+02	n	---	9.1E+03	n	1.0E+06	n	> S	---	3.1E+03	n	3.1E+00	n	---	3.1E+02	n	---	4.7E+03	n	1.0E+06	n	> S	---
Acridine	260-94-6	2.0E+03	n	2.3E+01	n	---	2.3E+03	n	---	---	---	---	---	---	---	2.0E+03	n	1.1E+01	n	---	1.1E+03	n	---	---	---	---	---	---	---
Acrolein	107-02-8	1.6E+00	n	7.1E-02	n	---	7.1E+00	n	---	1.6E+00	n	1.9E+02	n	---	---	8.1E-01	n	3.5E-02	n	---	3.5E+00	n	---	8.1E-01	n	1.2E+01	n	---	---
Acrylamide	79-06-1	1.9E+00	c	8.7E-04	c	---	8.7E-02	c	---	3.6E+00	c	9.4E+02	c	---	---	1.3E+00	c	4.4E-04	c	---	4.4E-02	c	---	1.9E+00	c	6.2E+01	c	---	---
Acrylic acid (propenoic acid)	79-10-7	1.7E+02	n	7.2E+01	n	---	7.2E+03	n	---	1.7E+02	n	4.1E+04	n	---	---	8.7E+01	n	3.6E+01	n	---	3.6E+03	n	---	8.7E+01	n	2.7E+03	n	---	---
Acrylonitrile	107-13-1	7.6E+00	c	7.5E-03	c	---	7.5E-01	c	---	8.8E+00	c	1.9E+02	c	---	---	4.2E+00	c	3.7E-03	c	---	3.7E-01	c	---	4.6E+00	c	1.2E+01	c	---	---
Adipic acid (hexanedioic acid)	124-04-9	1.1E+03	n	7.0E+02	n	---	7.0E+04	n	---	1.1E+03	n	1.0E+06	n	> S	---	5.4E+02	n	3.5E+02	n	---	3.5E+04	n	---	5.4E+02	n	4.1E+05	n	> S	---
Alachlor	15972-60-8	2.4E+02	c	1.9E-02	m	---	1.9E+00	m	---	---	---	---	---	---	---	2.4E+02	c	9.5E-03	m	---	9.5E-01	m	---	---	---	---	---	---	---
Aldicarb	116-06-3	6.8E+02	n	1.8E-02	m	---	1.8E+00	m	---	---	---	---	---	---	---	6.8E+02	n	8.9E-03	m	---	8.9E-01	m	---	---	---	---	---	---	---
Aldicarb sulfone	1646-88-4	6.8E+02	n	1.4E-02	m	---	1.4E+00	m	---	---	---	---	---	---	---	6.8E+02	n	6.9E-03	m	---	6.9E-01	m	---	---	---	---	---	---	---
Aldrin	309-00-2	1.0E+00	c	2.3E-01	c	---	2.3E+01	c	---	1.4E+01	c	1.4E+04	c	> S	---	9.7E-01	c	1.2E-01	c	---	1.2E+01	c	---	7.2E+00	c	9.2E+02	c	> S	---
Allyl alcohol	107-18-6	3.6E+02	n	7.5E-01	n	---	7.5E+01	n	---	3.8E+02	n	4.1E+04	n	---	---	1.9E+02	n	3.7E-01	n	---	3.7E+01	n	---	2.0E+02	n	2.6E+03	n	---	---
Allyl chloride	107-05-1	2.1E+01	n	3.0E+00	n	---	3.0E+02	n	---	2.1E+01	n	5.3E+01	n	---	---	1.1E+01	n	1.5E+00	n	---	1.5E+02	n	---	1.1E+01	n	3.4E+00	n	---	---
Aluminum	7429-90-5	6.2E+05	n	5.2E+05	n	---	1.0E+06	n	---	---	---	---	---	---	1.4E+03	5.7E+05	n	2.6E+05	n	---	1.0E+06	n	---	---	---	---	---	---	7.1E+02
Ametryn	834-12-8	6.1E+03	n	2.1E+01	n	---	2.1E+03	n	---	---	---	---	---	---	---	6.1E+03	n	1.1E+01	n	---	1.1E+03	n	---	---	---	---	---	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	3.1E+00	c	2.4E-02	c	---	2.4E+00	c	---	---	---	---	---	---	---	3.1E+00	c	1.2E-02	c	---	1.2E+00	c	---	---	---	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	19406-51-0	5.9E+01	n	2.0E-01	n	---	2.0E+01	n	---	1.2E+02	n	6.4E+04	n	> S	---	4.0E+01	n	1.0E-01	n	---	1.0E+01	n	---	6.3E+01	n	4.2E+03	n	> S	---
Amino-4,6-dinitrotoluene, 2-	35572-78-2	6.5E+01	n	3.0E-01	n	---	3.0E+01	n	---	1.5E+02	n	9.6E+04	n	> S	---	4.6E+01	n	1.5E-01	n	---	1.5E+01	n	---	7.8E+01	n	6.2E+03	n	> S	---
Aminopyridine, 4-	504-24-5	1.1E+01	n	2.8E-03	n	---	2.8E-01	n	---	4.6E+01	n	1.3E+04	n	---	---	8.6E+00	n	1.4E-03	n	---	1.4E-01	n	---	2.4E+01	n	8.3E+02	n	---	---
Ammonia	7664-41-7	2.1E+03	n	---	---	---	---	---	---	2.1E+03	n	7.9E+03	n	---	3.1E+00	1.1E+03	n	---	---	---	---	---	---	1.1E+03	n	5.1E+02	n	---	1.6E+00
Ammonium polyphosphate*	68333-79-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	62-53-3	1.8E+02	n	8.2E-01	c	---	8.2E+01	c	---	1.8E+02	n	3.6E+04	n	---	---	9.3E+01	n	4.1E-01	c	---	4.1E+01	c	---	9.4E+01	n	2.3E+03	n	---	---
Anthracene	120-12-7	1.9E+05	n	2.1E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	1.9E+05	n	1.0E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Anthraquinone, 9,10-	84-65-1	1.4E+04	n	7.1E+01	n	> S	7.1E+03	n	> S	---	---	---	---	---	---	1.4E+04	n	3.5E+01	n	> S	3.5E+03	n	> S	---	---	---	---	---	---
Antimony	7440-36-0	3.1E+02	n	5.4E+00	m	---	5.4E+02	m	---	---	---	---	---	---	---	3.1E+02	n	2.7E+00	m	---	2.7E+02	m	---	---	---	---	---	---	---
Aramite	140-57-8	7.6E+02	c	---	---	---	---	---	---	---	---	---	---	---	---	7.6E+02	c	---	---	---	---	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	2.0E+02	c	5.0E+00	m	---	5.0E+02	m	---	---	---	---	---	---	---	2.0E+02	c	2.5E+00	m	---	2.5E+02	m	---	---	---	---	---	---	---
Arsine	7784-42-1	1.1E+00	n	---	---	---	---	---	---	1.1E+00	n	---	---	---	---	5.5E-01	n	---	---	---	---	---	---	5.5E-01	n	---	---	---	---
Asbestos	1332-21-4	4.9E+03	c	---	---	---	---	---	---	---	---	---	---	---	---	2.5E+03	c	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	1912-24-9	8.6E+01	c	2.5E-02	m	---	2.5E+00	m	---	4.7E+03	n	1.0E+06	n	> S	---	8.6E+01	c	1.2E-02	m	---	1.2E+00	m	---	2.4E+03	n	1.4E+05	n	> S	---
Azinphos-methyl (guthion)	86-50-0	1.0E+03	n	1.3E+00	n	> S	1.3E+02	n	> S	---	---	---	---	---	---	1.0E+03	n	6.6E-01	n	> S	6.6E+01	n	> S	---	---	---	---	---	---
Azobenzene	103-33-3	1.6E+02	c	4.0E+01	c	---	4.0E+03	c	> S	2.3E+03	c	1.0E+06	c	> S	---	1.5E+02	c	2.0E+01	c	---	2.0E+03	c	> S	1.2E+03	c	1.6E+05	c	> S	---
Barium	7440-39-3	3.9E+04	n	4.4E+02	m	---	4.4E+04	m	---	---	---	---	---	---	---	3.7E+04	n	2.2E+02	m	---	2.2E+04	m	---	---	---	---	---	---	---
Bayleton	43121-43-3	2.0E+04	n	2.2E+01	n	---	2.2E+03	n	> S	---	---	---	---	---	---	2.0E+04	n	1.1E+01	n	---	1.1E+03	n	> S	---	---	---	---	---	---
Benefin (benfluralin)	1861-40-1	2.0E+05	n	1.5E+05	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	2.0E+05	n	7.3E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Benomyl	17804-35-2	3.4E+04	n	9.1E+00	n	> S	9.1E+02	n	> S	---	---	---	---	---	---	3.4E+04	n	4.6E+00	n	> S	4.6E+02	n	> S	---	---	---	---	---	---
Benz-a-anthracene	56-55-3	2.4E+01	c	4.0E+01	c	---	4.0E+03	c	> S	6.3E+03	c	1.0E+06	c	> S	---	2.4E+01	c	2.0E+01	c	---	2.0E+03	c	> S	3.2E+03	c	1.0E+06	c	> S	---
Benzaldehyde	100-52-7	6.7E+02	n	3.1E+01	n	---	3.1E+03	n	---	6.7E+02	n	3.1E+04	n	> S	---	3.4E+02	n	1.6E+01	n	---	1.6E+03	n	---	3.5E+02	n	2.0E+03	n	> S	---
Benzene	71-43-2	6.7E+01	c	2.6E-02	m	---	2.6E+00	m	---	7.7E+01	c	4.4E+02	c	---	---	3.7E+01	c	1.3E-02	m	---	1.3E+00	m	---	4.0E+01	c	2.8E+01	c	---	---
Benzenethiol	108-98-5	5.2E+00	n	2.0E-03	n	---	2.0E-01	n	---	1.1E+01	n	1.8E+02	n	---	---	3.6E+00	n	1.0E-03	n	---	1.0E-01	n	---	5.5E+00	n	1.1E+01	n	---	---
Benzidine	92-87-5	4.7E-02	c	2.4E-05	c	---	2.4E-03	c	---	1.1E-01	c	2.3E+01	c	---	---	3.3E-02	c	1.2E-05	c	---	1.2E-03	c	---	5.4E-02	c	1.9E+00	c	---	---
Benzo-a-pyrene	50-32-8	2.4E+00	c	7.6E+00	m	---	7.6E+02	m	> S	1.4E+03	c	1.0E+06	c	> S	---	2.4E+00	c	3.8E+00	m	---	3.8E+02	m	> S	7.3E+02	c	1.0E+06	c	> S	---
Benzo-b-fluoranthene	205-99-2	2.4E+01	c	1.3E+02	c	> S	1.3E+04	c	> S	1.0E+04	c	1.0E+06	c	> S	---	2.4E+01	c	6.7E+01	c	> S	6.7E+03	c	> S	5.3E+03	c	1.0E+06	c	> S	---
Benzo-e-pyrene	192-97-2	1.9E+04	n	3.4E+05	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	1.9E+04	n	1.7E+05	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Benzo-g,h,i-perylene	191-24-2	1.9E+04	n	1.4E+05	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	1.9E+04	n	6.9E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Benzoic acid	65-85-0	9.6E+02	n	5.7E+02	n	---	5.7E+04	n	> S	9.7E+02	n	2.8E+05	n	> S	---	5.0E+02	n	2.8E+02	n	---	2.8E+04	n	> S	5.0E+02	n	1.8E+04	n	> S	---
Benzo-k-fluoranthene	207-08-9	2.4E+02	c	1.4E+03	c	> S	1.4E+05	c	> S	2.6E+05	c	1.0E+06	c	> S	---	2.4E+02	c	6.9E+02	c	> S	6.9E+04	c	> S	1.3E+05	c	1.0E+06	c	> S	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area: $^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	30 acre source area: $^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
Benzotrichloride	98-07-7	1.5E+00	c	9.5E-03	c	---	9.5E-01	c	---	9.6E+01	n	7.2E+03	n	---	1.5E+00	c	4.7E-03	c	---	4.7E-01	c	---	4.9E+01	n	4.6E+02	n	---	---
Benzyl alcohol	100-51-6	1.2E+04	n	5.2E+01	n	---	5.2E+03	n	---	1.3E+04	n	1.0E+06	n	> S	6.2E+03	n	2.6E+01	n	---	2.6E+03	n	---	6.4E+03	n	2.0E+05	n	> S	---
Benzyl chloride	100-44-7	1.7E+02	c	1.1E-01	c	---	1.1E+01	c	---	2.1E+02	n	6.5E+03	n	---	1.1E+02	n	5.6E-02	c	---	5.6E+00	c	---	1.1E+02	n	4.2E+02	n	---	---
Benzyl dichloride	98-87-3	1.1E+02	c	1.4E-01	c	---	1.4E+01	c	---	1.5E+02	n	6.6E+03	n	---	8.0E+01	n	7.1E-02	c	---	7.1E+00	c	---	8.0E+01	n	4.2E+02	n	---	---
Beryllium	7440-41-7	2.5E+02	n	1.8E+00	m	---	1.8E+02	m	---	---	---	---	---	---	2.5E+02	n	9.2E-01	m	---	9.2E+01	m	---	---	---	---	---	---	---
Biphenyl, 1,1-	92-52-4	3.7E+02	n	7.6E+02	n	---	7.6E+04	n	> S	3.8E+02	n	5.9E+04	n	> S	1.9E+02	n	3.8E+02	n	---	3.8E+04	n	> S	1.9E+02	n	3.8E+03	n	> S	---
Biquinoline, 2,2'-	119-91-5	2.0E+03	n	8.0E+01	n	---	8.0E+03	n	> S	---	---	---	---	---	2.0E+03	n	4.0E+01	n	---	4.0E+03	n	> S	---	---	---	---	---	---
Bis (2-chloroethoxy) methane	111-91-1	9.1E+00	c	2.6E-02	c	---	2.6E+00	c	---	1.9E+01	c	1.9E+03	c	---	6.2E+00	c	1.3E-02	c	---	1.3E+00	c	---	9.8E+00	c	1.2E+02	c	---	---
Bis (2-chloroethyl) ether	111-44-4	4.9E+00	c	4.7E-03	c	---	4.7E-01	c	---	6.0E+00	c	4.0E+02	c	---	2.8E+00	c	2.4E-03	c	---	2.4E-01	c	---	3.1E+00	c	2.6E+01	c	---	---
Bis (2-chloroisopropyl) ether	108-60-1	1.5E+02	c	4.3E-01	c	---	4.3E+01	c	---	3.5E+02	c	2.1E+04	c	---	1.1E+02	c	2.1E-01	c	---	2.1E+01	c	---	1.8E+02	c	1.4E+03	c	---	---
Bis (2-chloromethyl) ether	542-88-1	9.0E-03	c	1.8E-05	c	---	1.8E-03	c	---	9.7E-03	c	2.8E-01	c	---	4.8E-03	c	9.2E-06	c	---	9.2E-04	c	---	5.0E-03	c	1.8E-02	c	---	---
Bis (2-ethyl-hexyl) phthalate	117-81-7	5.6E+02	c	1.6E+02	m	---	1.6E+04	m	> S	---	---	---	---	---	5.6E+02	c	8.2E+01	m	---	8.2E+03	m	> S	---	---	---	---	---	---
Bismuth	7440-69-9	4.1E+05	n	---	---	---	---	---	---	---	---	---	---	---	4.1E+05	n	---	---	---	---	---	---	---	---	---	---	---	---
Bisphenol A	80-05-7	2.7E+04	n	8.7E+01	n	---	8.7E+03	n	---	1.3E+05	n	1.0E+06	n	> S	2.3E+04	n	4.4E+01	n	---	4.4E+03	n	---	6.9E+04	n	1.0E+06	n	> S	---
Boron[5]	7440-42-8	8.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	8.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---
Bromobenzene	108-86-1	2.2E+02	n	1.7E+01	n	---	1.7E+03	n	---	2.3E+02	n	6.2E+03	n	> S	1.2E+02	n	8.6E+00	n	---	8.6E+02	n	---	1.2E+02	n	4.0E+02	n	> S	---
Bromo-2-chloroethane, 1-	107-04-0	1.0E+03	n	1.0E+01	n	---	1.0E+03	n	---	1.1E+03	n	1.3E+04	n	---	5.5E+02	n	5.2E+00	n	---	5.2E+02	n	---	5.5E+02	n	8.1E+02	n	---	---
Bromodichloromethane	75-27-4	4.6E+02	c	1.5E-01	c	---	1.5E+01	c	---	---	---	---	---	---	4.6E+02	c	7.3E-02	c	---	7.3E+00	c	---	---	---	---	---	---	---
Bromoform	75-25-2	1.0E+03	c	1.4E+00	c	---	1.4E+02	c	---	1.4E+03	c	4.7E+04	c	> S	6.0E+02	c	7.1E-01	c	---	7.1E+01	c	---	7.2E+02	c	3.1E+03	c	> S	---
Bromomethane (methyl bromide)	74-83-9	1.0E+02	n	3.9E-01	n	---	3.9E+01	n	---	1.1E+02	n	2.5E+02	n	---	5.3E+01	n	2.0E-01	n	---	2.0E+01	n	---	5.5E+01	n	1.6E+01	n	---	---
Bromophenyl phenylether, 4-	101-55-3	1.2E+00	c	7.9E-01	c	---	7.9E+01	c	---	1.6E+01	c	1.5E+04	c	> S	1.1E+00	c	4.0E-01	c	---	4.0E+01	c	---	8.4E+00	c	1.0E+03	c	> S	---
Butadiene, 1,3-	106-99-0	2.0E+01	c	---	---	---	---	---	---	2.0E+01	c	2.0E+01	c	---	1.0E+01	c	---	---	---	---	---	---	1.0E+01	c	1.3E+00	c	---	---
Butanal (butyraldehyde)	123-72-8	1.3E+04	n	9.4E+00	n	---	9.4E+02	n	---	1.7E+04	n	4.8E+05	n	> S	7.7E+03	n	4.7E+00	n	---	4.7E+02	n	---	8.8E+03	n	3.1E+04	n	> S	---
Butanoic acid (butyric acid)	107-92-6	1.8E+02	n	7.0E+01	n	---	7.0E+03	n	---	1.8E+02	n	5.1E+04	n	---	9.3E+01	n	3.5E+01	n	---	3.5E+03	n	---	9.3E+01	n	3.3E+03	n	---	---
Butanol, n-	71-36-3	5.8E+03	n	1.6E+01	n	---	1.6E+03	n	---	6.2E+03	n	6.0E+05	n	> S	3.1E+03	n	7.9E+00	n	---	7.9E+02	n	---	3.2E+03	n	3.8E+04	n	> S	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether, E	111-76-2	3.1E+05	n	8.8E+01	n	---	8.8E+03	n	---	1.0E+06	n	1.0E+06	n	> S	2.8E+05	n	4.4E+01	n	---	4.4E+03	n	---	1.0E+06	n	1.0E+06	n	> S	---
Butyl acetate	123-86-4	1.7E+03	n	3.1E+01	n	---	3.1E+03	n	---	1.7E+03	n	4.4E+04	n	> S	8.9E+02	n	1.5E+01	n	---	1.5E+03	n	---	9.0E+02	n	2.8E+03	n	> S	---
Butyl acrylate	141-32-2	1.8E+02	n	3.1E+00	n	---	3.1E+02	n	---	1.9E+02	n	5.2E+03	n	---	9.5E+01	n	1.5E+00	n	---	1.5E+02	n	---	9.5E+01	n	3.4E+02	n	---	---
Butyl benzyl phthalate	85-68-7	2.8E+04	n	8.1E+03	n	> S	8.1E+05	n	> S	3.5E+04	n	1.0E+06	n	> S	1.6E+04	n	4.0E+03	n	> S	4.0E+05	n	> S	1.8E+04	n	1.0E+06	n	> S	---
Butylate	2008-41-5	3.4E+04	n	2.5E+01	n	---	2.5E+03	n	> S	---	---	---	---	---	3.4E+04	n	1.3E+01	n	---	1.3E+03	n	> S	---	---	---	---	---	---
Butylbenzene, n-	104-51-8	6.9E+03	n	3.6E+02	n	---	3.6E+04	n	> S	9.2E+03	n	6.3E+05	n	> S	4.0E+03	n	1.8E+02	n	---	1.8E+04	n	> S	4.7E+03	n	4.1E+04	n	> S	---
Butylbenzene, sec-	135-98-8	6.7E+03	n	2.5E+02	n	---	2.5E+04	n	> S	8.0E+03	n	4.7E+05	n	> S	3.7E+03	n	1.3E+02	n	---	1.3E+04	n	> S	4.1E+03	n	3.0E+04	n	> S	---
Butylbenzene, tert-	98-06-6	5.7E+03	n	3.0E+02	n	---	3.0E+04	n	> S	6.6E+03	n	3.6E+05	n	> S	3.2E+03	n	1.5E+02	n	---	1.5E+04	n	> S	3.4E+03	n	2.3E+04	n	> S	---
Butyl ether, n- (dibutyl ether)	142-96-1	3.1E+03	n	1.3E+02	n	---	1.3E+04	n	> S	3.2E+03	n	1.3E+05	n	> S	1.6E+03	n	6.5E+01	n	---	6.5E+03	n	> S	1.6E+03	n	8.1E+03	n	> S	---
Cacodylic acid	75-60-5	2.0E+03	n	4.4E-01	n	---	4.4E+01	n	---	---	---	---	---	---	2.0E+03	n	2.2E-01	n	---	2.2E+01	n	---	---	---	---	---	---	---
Cadmium	7440-43-9	8.5E+02	n	1.5E+00	m	---	1.5E+02	m	---	---	---	---	---	---	8.5E+02	n	7.5E-01	m	---	7.5E+01	m	---	---	---	---	---	---	---
Calcium*	7440-70-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	105-60-2	4.6E+02	n	1.4E+02	n	---	1.4E+04	n	---	4.6E+02	n	1.3E+05	n	---	2.3E+02	n	7.0E+01	n	---	7.0E+03	n	---	2.3E+02	n	8.5E+03	n	---	---
Captan	133-06-2	5.5E+03	c	1.5E+02	c	> S	1.5E+04	c	> S	1.6E+04	n	1.0E+06	n	> S	5.5E+03	c	7.5E+01	c	> S	7.5E+03	c	> S	8.2E+03	n	1.0E+06	n	> S	---
Carbaryl	63-25-2	5.2E+03	n	8.2E+01	n	---	8.2E+03	n	> S	5.7E+03	n	1.0E+06	n	> S	2.8E+03	n	4.1E+01	n	---	4.1E+03	n	> S	2.9E+03	n	1.9E+05	n	> S	---
Carbazole	86-74-8	9.5E+02	c	1.0E+01	c	---	1.0E+03	c	> S	---	---	---	---	---	9.5E+02	c	5.1E+00	c	---	5.1E+02	c	> S	---	---	---	---	---	---
Carbofuran	1563-66-2	4.6E+01	n	1.2E-01	m	---	1.2E+01	m	---	4.7E+01	n	1.6E+04	n	> S	2.4E+01	n	6.2E-02	m	---	6.2E+00	m	---	2.4E+01	n	1.1E+03	n	> S	---
Carbon disulfide	75-15-0	1.3E+04	n	4.1E+01	n	---	4.1E+03	n	---	1.5E+04	n	3.8E+04	n	> S	7.2E+03	n	2.0E+01	n	---	2.0E+03	n	---	7.7E+03	n	2.4E+03	n	> S	---
Carbon tetrachloride	56-23-5	3.4E+01	c	6.2E-02	m	---	6.2E+00	m	---	4.0E+01	c	1.6E+02	c	---	1.9E+01	c	3.1E-02	m	---	3.1E+00	m	---	2.1E+01	c	1.1E+01	c	---	---
Carbophenothion	786-19-6	8.9E+03	n	4.4E+03	n	---	4.4E+05	n	> S	---	---	---	---	---	8.9E+03	n	2.2E+03	n	---	2.2E+05	n	> S	---	---	---	---	---	---
Carbosulfan	55285-14-8	6.8E+03	n	7.5E+02	n	> S	7.5E+04	n	> S	---	---	---	---	---	6.8E+03	n	3.8E+02	n	> S	3.8E+04	n	> S	---	---	---	---	---	---
Carboxin	5234-68-4	6.8E+04	n	2.6E+02	n	---	2.6E+04	n	> S	---	---	---	---	---	6.8E+04	n	1.3E+02	n	---	1.3E+04	n	> S	---	---	---	---	---	---
Chloral	75-87-6	1.0E+03	n	1.6E+01	n	---	1.6E+03	n	---	1.0E+03	n	2.5E+05	n	---	5.4E+02	n	7.9E+00	n	---	7.9E+02	n	---	5.4E+02	n	1.6E+04	n	---	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	1.2E+03	n	1.6E+01	n	---	1.6E+03	n	---	1.2E+03	n	3.4E+05	n	---	6.0E+02	n	7.8E+00	n	---	7.8E+02	n	---	6.1E+02	n	2.3E+04	n	---	---
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid	133-90-4	1.0E+04	n	1.1E+01	n	---	1.1E+03	n	---	---	---	---	---	---	1.0E+04	n	5.6E+00	n	---	5.6E+02	n	---	---	---	---	---	---	---
Chlordane (technical)	12789-03-6	6.6E+01	c	9.6E+00	m	---	9.6E+02	m	> S	2.1E+03	c	1.0E+06	c	> S	6.4E+01	c	4.8E+00	m	---	4.8E+02	m	> S	1.1E+03	c	4.0E+05	c	> S	---
Chlordane, cis- (alpha chlordane)	5103-71-9	5.4E+01	c	1.7E+03	c	---	1.7E+05	c	> S	6.9E+03	c	1.0E+06	c	> S	5.4E+01	c	8.3E+02	c	---	8.3E+04	c	> S	3.5E+03	c	1.0E+06	c	> S	---
Chlordane, gamma	57-74-9	5.3E+01	c	9.2E+01	c	---	9.2E+03	c	> S	1.6E+03	c	1.0E+06	c	> S	5.1E+01	c	4.6E+01	c	---	4.6E+03	c	> S	8.4E+02	c	2.6E+05	c	> S	---
Chlorfenvinphos	470-90-6	3.9E+01	n	2.7E+00	n	---	2.7E+02	n	---	4.3E+01	n	---	---	---	2.1E+01	n	1.4E+00	n	---	1.4E+02	n	---	2.2E+01	n	---	---	---	---
Chloride*	16887-00-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorine	7782-50-5	3.2E+01	n	---	---	---	---	---	---	3.2E+01	n	---	---	---	1.7E+01	n	---	---	---	---	---	---	1.7E+01	n	---	---	---	---
Chloroaniline, p-	106-47-8	1.2E+03	n	1.3E+00	n	---	1.3E+02	n	---	2.0E+03	n	4.4E+05	n	> S	7.5E+02	n	6.7E-01	n	---	6.7E+01	n	---	1.0E+03	n	2.8E+04	n	> S	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area															30 acre source area													
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	^{GW}Soil for Secondary MCL (mg/kg)
Chlorobenzene	108-90-7	1.2E+03	n	1.1E+00	m	---	1.1E+02	m	---	1.3E+03	n	2.1E+04	n	> S	---	6.4E+02	n	5.5E-01	m	---	5.5E+01	m	---	6.6E+02	n	1.4E+03	n	> S	---
Chlorobenzilate	510-15-6	6.3E+01	c	2.6E-01	c	---	2.6E+01	c	---	5.9E+02	c	4.0E+05	c	> S	---	5.7E+01	c	1.3E-01	c	---	1.3E+01	c	---	3.0E+02	c	2.6E+04	c	> S	---
Chlorobromomethane (bromochloromethane)	74-97-5	1.0E+03	n	9.1E+00	n	---	9.1E+02	n	---	1.1E+03	n	9.8E+03	n	---	---	5.5E+02	n	4.5E+00	n	---	4.5E+02	n	---	5.5E+02	n	6.3E+02	n	---	---
Chloro-1,3-butadiene, 2-	126-99-8	1.5E+02	n	---	---	---	---	---	---	1.5E+02	n	3.3E+02	n	---	---	7.7E+01	n	---	---	---	---	---	---	7.7E+01	n	2.1E+01	n	---	---
Chlorodifluoromethane	75-45-6	1.0E+06	n	---	---	---	---	---	---	1.0E+06	n	1.0E+06	n	---	---	5.5E+05	n	---	---	---	---	---	---	5.5E+05	n	8.1E+04	n	---	---
Chloroethane (ethyl chloride)	75-00-3	1.4E+05	n	9.2E+01	n	---	9.2E+03	n	---	2.1E+05	n	5.1E+05	n	> S	---	8.7E+04	n	---	4.6E+01	n	---	4.6E+03	n	---	1.1E+05	n	3.3E+04	n	> S	---
Chloroethanol, 2-	107-07-3	4.8E+02	n	5.8E+01	n	---	5.8E+03	n	---	4.8E+02	n	1.0E+05	n	---	---	2.5E+02	n	2.9E+01	n	---	2.9E+03	n	---	2.5E+02	n	6.5E+03	n	---	---
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	6.4E+00	n	6.5E-03	c	---	6.5E-01	c	---	6.4E+00	n	9.5E+01	n	---	---	3.3E+00	n	3.2E-03	c	---	3.2E-01	c	---	3.3E+00	n	6.2E+00	n	---	---
Chloroform	67-66-3	2.6E+01	c	3.0E+00	n	---	3.0E+02	n	---	2.6E+01	c	1.4E+02	c	---	---	1.3E+01	c	1.5E+00	n	---	1.5E+02	n	---	1.3E+01	c	9.0E+00	c	---	---
Chlorohexane, 1-	544-10-5	1.4E+04	n	1.2E+02	n	---	1.2E+04	n	> S	2.1E+04	n	4.1E+05	n	> S	---	8.7E+03	n	5.9E+01	n	---	5.9E+03	n	> S	1.1E+04	n	2.6E+04	n	> S	---
Chloromethane (methyl chloride)	74-87-3	2.9E+02	c	9.1E-01	c	---	9.1E+01	c	---	3.3E+02	c	3.5E+02	c	---	---	1.6E+02	c	4.5E-01	c	---	4.5E+01	c	---	1.7E+02	c	2.3E+01	c	---	---
Chloro-3-methylphenol, 4-	59-50-7	3.2E+03	n	1.4E+01	n	---	1.4E+03	n	---	4.8E+04	n	1.0E+06	n	> S	---	3.0E+03	n	6.8E+00	n	---	6.8E+02	n	---	2.5E+04	n	1.0E+06	n	> S	---
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	5.0E+04	n	2.2E+03	n	---	2.2E+05	n	> S	---	---	---	---	---	---	5.0E+04	n	1.1E+03	n	---	1.1E+05	n	> S	---	---	---	---	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	5.0E+04	n	2.0E+03	n	---	2.0E+05	n	> S	---	---	---	---	---	---	5.0E+04	n	1.0E+03	n	---	1.0E+05	n	> S	---	---	---	---	---	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	1.1E+03	c	7.1E-01	c	---	7.1E+01	c	---	---	---	---	---	---	---	1.1E+03	c	3.5E-01	c	---	3.5E+01	c	---	---	---	---	---	---	---
Chlorophenol, 2-	95-57-8	3.2E+03	n	4.9E+00	n	---	4.9E+02	n	---	8.8E+03	n	1.0E+06	n	> S	---	2.4E+03	n	2.4E+00	n	---	2.4E+02	n	---	4.5E+03	n	7.4E+04	n	> S	---
Chlorophenol, 3-	108-43-0	2.9E+03	n	2.3E+00	n	---	2.3E+02	n	---	1.8E+04	n	1.0E+06	n	> S	---	2.5E+03	n	1.2E+00	n	---	1.2E+02	n	---	9.1E+03	n	3.4E+05	n	> S	---
Chlorophenol, 4-	106-48-9	2.9E+03	n	2.5E+00	n	---	2.5E+02	n	---	1.8E+04	n	1.0E+06	n	> S	---	2.5E+03	n	1.2E+00	n	---	1.2E+02	n	---	9.5E+03	n	3.6E+05	n	> S	---
Chlorophenyl phenylether, 4-	7005-72-3	9.8E-01	c	7.2E-02	c	---	7.2E+00	c	---	4.2E+00	c	1.1E+03	c	> S	---	8.0E-01	c	3.6E-02	c	---	3.6E+00	c	---	2.2E+00	c	7.0E+01	c	> S	---
Chloropropane, 2-	75-29-6	2.0E+03	n	1.6E+01	n	---	1.6E+03	n	---	2.1E+03	n	4.8E+03	n	---	---	1.1E+03	n	8.1E+00	n	---	8.1E+02	n	---	1.1E+03	n	3.1E+02	n	---	---
Chloro-2-propanol, 1-	127-00-4	2.0E+04	n	3.2E+00	n	---	3.2E+02	n	---	---	---	---	---	---	---	2.0E+04	n	1.6E+00	n	---	1.6E+02	n	---	---	---	---	---	---	---
Chlorothalonil	1897-45-6	1.7E+03	c	1.8E+01	c	---	1.8E+03	c	---	---	---	---	---	---	---	1.7E+03	c	9.1E+00	c	---	9.1E+02	c	---	---	---	---	---	---	---
Chlorotoluene, o- (2-chlorotoluene)	95-49-8	4.2E+03	n	2.7E+01	n	---	2.7E+03	n	---	6.0E+03	n	2.0E+05	n	> S	---	2.5E+03	n	1.4E+01	n	---	1.4E+03	n	---	3.1E+03	n	1.3E+04	n	> S	---
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	6.7E+00	n	3.2E+01	n	---	3.2E+03	n	> S	6.7E+00	n	2.4E+02	n	---	---	3.5E+00	n	1.6E+01	n	---	1.6E+03	n	> S	3.5E+00	n	1.6E+01	n	---	---
Chlorpyrifos	2921-88-2	3.9E+02	n	4.4E+01	n	---	4.4E+03	n	> S	4.8E+02	n	4.5E+05	n	> S	---	2.2E+02	n	2.2E+01	n	---	2.2E+03	n	> S	2.5E+02	n	2.9E+04	n	> S	---
	16065-83-1/																													
Chromium (III) (total chromium)	7440-47-3	9.5E+04	n	2.4E+03	m	---	2.4E+05	m	---	---	---	---	---	---	---	5.7E+04	n	1.2E+03	m	---	1.2E+05	m	---	---	---	---	---	---	---
Chromium (VI)	18540-29-9	1.0E+03	n	2.8E+01	m	---	2.8E+03	m	---	---	---	---	---	---	---	1.0E+03	n	1.4E+01	m	---	1.4E+03	m	---	---	---	---	---	---	---
Chrysene	218-01-9	2.4E+03	c	3.5E+03	c	> S	3.5E+05	c	> S	9.9E+05	c	1.0E+06	c	> S	---	2.4E+03	c	1.7E+03	c	> S	1.7E+05	c	> S	5.1E+05	c	1.0E+06	c	> S	---
Cobalt	7440-48-4	1.9E+04	n	4.0E+03	n	---	4.0E+05	n	---	---	---	---	---	---	---	1.1E+04	n	2.0E+03	n	---	2.0E+05	n	---	---	---	---	---	---	---
Copolymer acrylamide	69418-26-4	4.8E+00	n	2.8E-02	n	---	2.8E+00	n	---	5.0E+00	n	1.3E+03	n	---	---	2.5E+00	n	1.4E-02	n	---	1.4E+00	n	---	2.6E+00	n	8.7E+01	n	---	---
Copper	7440-50-8	3.8E+04	n	1.0E+03	a	---	1.0E+05	a	---	---	---	---	---	---	8.0E+02	3.7E+04	n	5.2E+02	a	---	5.2E+04	a	---	---	---	---	---	---	4.0E+02
Coronene	191-07-1	1.4E+03	n	1.7E+05	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	1.4E+03	n	8.4E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Coumaphos	56-72-4	4.8E+03	n	3.3E+02	n	> S	3.3E+04	n	> S	---	---	---	---	---	---	4.8E+03	n	1.6E+02	n	> S	1.6E+04	n	> S	---	---	---	---	---	---
Cresol	1319-77-3	3.7E+03	n	2.0E+01	n	---	2.0E+03	n	---	4.2E+03	n	9.3E+05	n	> S	---	2.0E+03	n	9.9E+00	n	---	9.9E+02	n	---	2.1E+03	n	6.0E+04	n	> S	---
Cresol, m- (3-methylphenol)	108-39-4	3.7E+03	n	2.0E+01	n	---	2.0E+03	n	---	4.2E+03	n	9.3E+05	n	> S	---	2.0E+03	n	9.9E+00	n	---	9.9E+02	n	---	2.1E+03	n	6.0E+04	n	> S	---
Cresol, o- (2-methylphenol)	95-48-7	3.5E+03	n	2.1E+01	n	---	2.1E+03	n	---	4.0E+03	n	8.2E+05	n	> S	---	1.9E+03	n	1.1E+01	n	---	1.1E+03	n	---	2.0E+03	n	5.3E+04	n	> S	---
Cresol, p- (4-methylphenol)	106-44-5	1.8E+03	n	1.9E+00	n	---	1.9E+02	n	---	4.0E+03	n	8.6E+05	n	> S	---	1.3E+03	n	9.4E-01	n	---	9.4E+01	n	---	2.0E+03	n	5.5E+04	n	> S	---
Crotonaldehyde	123-73-9	1.5E+01	c	2.1E-03	c	---	2.1E-01	c	---	2.7E+02	n	1.8E+04	n	---	---	1.5E+01	c	1.1E-03	c	---	1.1E-01	c	---	1.4E+02	n	1.1E+03	n	---	---
Cumene (isopropylbenzene)	98-82-8	1.1E+04	n	1.0E+03	n	---	1.0E+05	n	> S	1.3E+04	n	8.7E+05	n	> S	---	6.3E+03	n	5.2E+02	n	---	5.2E+04	n	> S	6.7E+03	n	5.7E+04	n	> S	---
Cyanazine	21725-46-2	2.3E+01	c	9.4E-03	c	---	9.4E-01	c	---	---	---	---	---	---	---	2.3E+01	c	4.7E-03	c	---	4.7E-01	c	---	---	---	---	---	---	---
Cyanide	57-12-5	1.9E+04	n	4.0E+01	m	---	4.0E+03	m	---	---	---	---	---	---	---	1.9E+04	n	2.0E+01	m	---	2.0E+03	m	---	---	---	---	---	---	---
Cyanogen	460-19-5	4.5E+02	n	7.3E+00	n	---	7.3E+02	n	---	4.5E+02	n	6.7E+02	n	---	---	2.3E+02	n	3.6E+00	n	---	3.6E+02	n	---	2.3E+02	n	4.3E+01	n	---	---
Cycloate	1134-23-2	3.7E+04	n	4.5E+02	n	---	4.5E+04	n	> S	---	---	---	---	---	---	3.7E+04	n	2.3E+02	n	---	2.3E+04	n	> S	---	---	---	---	---	---
Cyclohexane	110-82-7	1.3E+05	n	1.8E+04	n	> S	1.0E+06	n	> S	1.3E+05	n	4.0E+05	n	> S	---	6.5E+04	n	8.8E+03	n	> S	8.8E+05	n	> S	6.6E+04	n	2.6E+04	n	> S	---
Cyclohexanol	108-93-0	4.3E+04	n	8.8E+02	n	> S	8.8E+04	n	> S	4.4E+04	n	1.0E+06	n	> S	---	2.2E+04	n	4.4E+02	n	> S	4.4E+04	n	> S	2.2E+04	n	6.0E+05	n	> S	---
Cyclohexanone	108-94-1	7.0E+03	n	7.8E+02	n	---	7.8E+04	n	> S	7.0E+03	n	6.0E+05	n	> S	---	3.6E+03	n	3.9E+02	n	---	3.9E+04	n	> S	3.6E+03	n	3.9E+04	n	> S	---
Cyclotetramethylenetetranitramine (HMX)	2691-41-0	6.0E+02	n	7.0E+00	n	---	7.0E+02	n	---	6.4E+02	n	1.0E+06	n	> S	---	3.2E+02	n	3.5E+00	n	---	3.5E+02	n	---	3.3E+02	n	1.0E+06	n	> S	---
Cyclotrimethylenetrinitramine (RDX)	121-82-4	7.6E+01	n	8.3E-02	c	---	8.3E+00	c	---	7.9E+01	n	7.3E+03	n	> S	---	4.0E+01	n	4.1E-02	c	---	4.1E+00	c	---	4.1E+01	n	4.7E+02	n	> S	---
Cymene (isopropyltoluene)	99-87-6	8.8E+03	n	6.9E+02	n	---	6.9E+04	n	> S	9.6E+03	n	6.1E+05	n	> S	---	4.7E+03	n	3.5E+02	n	---	3.5E+04	n	> S	4.9E+03	n	3.9E+04	n	> S	---
Cymoxanil	57966-95-7	8.9E+03	n	1.8E+00	n	---	1.8E+02	n	---	---	---	---	---	---	---	8.9E+03	n	9.1E-01	n	---	9.1E+01	n	---	---	---	---	---	---	---
Dacthal (DCPA)	1861-32-1	6.8E+03	n	1.4E+03	n	> S	1.4E+05	n	> S	---	---	---	---	---	---	6.8E+03	n	6.8E+02	n	> S	6.8E+04	n	> S	---	---	---	---	---	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	75-99-0	2.0E+04	n	5.8E-01	m	---	5.8E+01	m	---	---	---	---	---	---	---	2.0E+04	n	2.9E-01	m	---	2.9E+01	m	---	---	---	---	---	---	---
DDD	72-54-8	1.0E+02	c	2.9E+01	c	---	2.9E+03	c	> S	---	---	---	---	---	---	1.0E+02	c	1.5E+01	c	---	1.5E+03	c	> S	---	---	---	---	---	---
DDE	72-55-9	7.3E+01	c	2.6E+01	c	---	2.6E+03	c	> S	---	---	---	---	---	---	7.3E+01	c	1.3E+01	c	---	1.3E+03	c	> S	---	---	---	---	---	---
DDT	50-29-3	7.1E+01	c	3.3E+01	c	> S	3.3E+03	c	> S	2.0E+03	c	1.0E+06	c	> S	---	6.8E+01	c	1.7E+01	c	> S	1.7E+03	c	> S	1.0E+03	c	3.7E+05	c	> S	---
Demeton	8065-48-3	2.7E+01	n	3.7E-02	n	---	3.7E+00	n	---	---	---	---	---	---	---	2.7E+01	n	1.9E-02	n	---	1.9E+00	n	---	---	---	---	---	---	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area														30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	2.7E+04	n	5.8E+00	n	5.8E+02	n	---	---	---	---	---		2.7E+04	n	2.9E+00	n	2.9E+02	n	---	---	---	---	---
Diallate	2303-16-4	3.1E+02	c	2.6E+00	c	2.6E+02	c	---	---	---	---	---		3.1E+02	c	1.3E+00	c	1.3E+02	c	---	---	---	---	---
Diazinon	333-41-5	7.9E+01	n	4.7E-01	n	4.7E+01	n	9.1E+01	n	4.0E+04	n	> S		4.3E+01	n	2.4E-01	n	2.4E+01	n	4.7E+01	n	2.6E+03	n	> S
Dibenz-a,h-acridine	226-36-8	1.6E+01	c	1.3E+02	c	> S	1.3E+04	c	> S	2.6E+04	c	1.0E+06	c	> S		1.6E+01	c	6.5E+01	c	> S	6.5E+03	c	> S	1.3E+04	c	1.0E+06	c	> S
Dibenz-a,h-anthracene	53-70-3	2.4E+00	c	2.1E+01	c	2.1E+03	c	> S	3.3E+03	c	1.0E+06	c	> S		2.4E+00	c	1.1E+01	c	1.1E+03	c	> S	1.7E+03	c	1.0E+06	c	> S
Dibenz-a,j-acridine	224-42-0	2.4E+01	c	2.5E+02	c	> S	2.5E+04	c	> S	3.5E+04	c	1.0E+06	c	> S		2.4E+01	c	1.3E+02	c	> S	1.3E+04	c	> S	1.8E+04	c	1.0E+06	c	> S
Dibenzofuran	132-64-9	2.7E+03	n	1.0E+02	n	1.0E+04	n	> S	---	---	---	---		2.7E+03	n	5.0E+01	n	5.0E+03	n	> S	---	---	---	---
Dibenzothiophene	132-65-0	2.0E+03	n	3.0E+02	n	> S	3.0E+04	n	> S	---	---	---	---	---		2.0E+03	n	1.5E+02	n	> S	1.5E+04	n	> S	---	---	---	---	---
Dibromochloromethane (chlorodibromomethane)	124-48-1	3.4E+02	c	1.1E-01	c	---	1.1E+01	c	---	---	---	---	---		3.4E+02	c	5.5E-02	c	---	5.5E+00	c	---	---	---	---	---	---
Dibromo-3-chloropropane, 1,2-	96-12-8	1.1E+01	n	1.7E-03	m	---	1.7E-01	m	---	1.1E+01	n	3.9E+02	n	---	---	5.8E+00	n	8.7E-04	m	---	8.7E-02	m	---	5.8E+00	n	2.5E+01	n	---
Dibromofluoromethane	1868-53-7	7.0E+04	n	4.7E+01	n	---	4.7E+03	n	---	1.1E+05	n	5.8E+05	n	> S		4.4E+04	n	2.3E+01	n	---	2.3E+03	n	---	5.5E+04	n	3.8E+04	n	> S
Dicamba	1918-00-9	2.2E+03	n	4.4E+00	n	---	4.4E+02	n	---	2.5E+03	n	8.5E+05	n	> S		1.2E+03	n	2.2E+00	n	---	2.2E+02	n	---	1.3E+03	n	5.5E+04	n	> S
Dichlorobenzene, 1,2-	95-50-1	1.1E+03	n	1.8E+01	m	---	1.8E+03	m	---	1.1E+03	n	4.8E+04	n	> S		5.7E+02	n	8.9E+00	m	---	8.9E+02	m	---	5.7E+02	n	3.1E+03	n	> S
Dichlorobenzene, 1,3-	541-73-1	1.7E+02	n	2.0E+01	n	---	2.0E+03	n	> S	1.7E+02	n	2.4E+03	n	> S		8.8E+01	n	1.0E+01	n	---	1.0E+03	n	> S	8.8E+01	n	1.6E+02	n	> S
Dichlorobenzene, 1,4-	106-46-7	1.2E+03	c	2.1E+00	m	---	2.1E+02	m	---	2.5E+04	n	1.0E+06	n	> S		1.2E+03	c	1.1E+00	m	---	1.1E+02	m	---	1.3E+04	n	6.6E+04	n	> S
Dichlorobenzidine, 3,3-	91-94-1	4.2E+01	c	1.4E-01	c	---	1.4E+01	c	---	---	---	---	---		4.2E+01	c	7.0E-02	c	---	7.0E+00	c	---	---	---	---	---	---
Dichlorobutane, 2,3-	7581-97-7	1.5E+02	n	7.7E+00	n	---	7.7E+02	n	---	1.5E+02	n	2.1E+03	n	---	---	7.7E+01	n	3.8E+00	n	---	3.8E+02	n	---	7.7E+01	n	1.4E+02	n	---
Dichloro-2-butene, 1,4-	764-41-0	5.4E-01	c	---	---	---	---	---	---	5.4E-01	c	1.7E+01	c	---	---	2.8E-01	c	---	---	---	---	---	---	2.8E-01	c	1.1E+00	c	---
Dichloro-2-butene, 1,4- trans	110-57-6	5.5E-01	c	---	---	---	---	---	---	5.5E-01	c	1.8E+01	c	---	---	2.9E-01	c	---	---	---	---	---	---	2.9E-01	c	1.2E+00	c	---
Dichlorodifluoromethane	75-71-8	7.0E+04	n	7.2E+02	n	---	7.2E+04	n	> S	1.1E+05	n	2.0E+05	n	> S	---	4.3E+04	n	3.6E+02	n	---	3.6E+04	n	> S	5.5E+04	n	1.3E+04	n	> S
Dichloroethane, 1,1-	75-34-3	7.9E+03	n	2.8E+01	n	---	2.8E+03	n	---	8.6E+03	n	3.8E+04	n	> S	---	4.2E+03	n	1.4E+01	n	---	1.4E+03	n	---	4.4E+03	n	2.5E+03	n	> S
Dichloroethane, 1,2-	107-06-2	2.2E+01	c	1.4E-02	m	---	1.4E+00	m	---	2.3E+01	c	1.5E+02	c	---	---	1.1E+01	c	6.9E-03	m	---	6.9E-01	m	---	1.2E+01	c	9.8E+00	c	---
Dichloroethylene, 1,1-	75-35-4	4.0E+03	n	5.0E-02	m	---	5.0E+00	m	---	4.3E+03	n	9.8E+03	n	---	---	2.1E+03	n	2.5E-02	m	---	2.5E+00	m	---	2.2E+03	n	6.3E+02	n	---
Dichloroethylene, cis-1,2-	156-59-2	6.4E+03	n	2.5E-01	m	---	2.5E+01	m	---	1.7E+04	n	8.1E+04	n	> S	---	4.7E+03	n	1.2E-01	m	---	1.2E+01	m	---	8.8E+03	n	5.2E+03	n	> S
Dichloroethylene, trans-1,2	156-60-5	9.3E+03	n	4.9E-01	m	---	4.9E+01	m	---	1.7E+04	n	7.0E+04	n	> S	---	6.1E+03	n	2.5E-01	m	---	2.5E+01	m	---	8.8E+03	n	4.5E+03	n	> S
Dichlorophenol, 2,3-	576-24-9	1.9E+03	n	1.6E+00	n	---	1.6E+02	n	---	3.5E+04	n	1.0E+06	n	> S	---	1.8E+03	n	8.1E-01	n	---	8.1E+01	n	---	1.8E+04	n	7.4E+05	n	> S
Dichlorophenol, 2,4-	120-83-2	1.8E+03	n	1.1E+00	n	---	1.1E+02	n	---	1.9E+04	n	1.0E+06	n	> S	---	1.7E+03	n	5.3E-01	n	---	5.3E+01	n	---	9.6E+03	n	2.4E+05	n	> S
Dichlorophenol, 2,5-	583-78-8	1.9E+03	n	1.5E+00	n	---	1.5E+02	n	---	3.4E+04	n	1.0E+06	n	> S	---	1.8E+03	n	7.5E-01	n	---	7.5E+01	n	---	1.7E+04	n	6.9E+05	n	> S
Dichlorophenol, 2,6-	87-65-0	6.1E+02	n	2.0E-01	n	---	2.0E+01	n	---	5.7E+03	n	1.0E+06	n	> S	---	5.5E+02	n	1.0E-01	n	---	1.0E+01	n	---	2.9E+03	n	9.3E+04	n	> S
Dichlorophenol, 3,4-	95-77-2	2.0E+03	n	6.0E+00	n	---	6.0E+02	n	---	7.9E+04	n	1.0E+06	n	> S	---	1.9E+03	n	3.0E+00	n	---	3.0E+02	n	---	4.1E+04	n	1.0E+06	n	> S
Dichlorophenol, 3,5-	591-35-5	2.0E+03	n	4.0E+00	n	---	4.0E+02	n	---	6.2E+04	n	1.0E+06	n	> S	---	1.9E+03	n	2.0E+00	n	---	2.0E+02	n	---	3.2E+04	n	1.0E+06	n	> S
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	1.6E+03	n	2.6E+00	m	---	2.6E+02	m	---	2.0E+03	n	1.0E+06	n	> S	---	9.2E+02	n	1.3E+00	m	---	1.3E+02	m	---	1.0E+03	n	1.1E+05	n	> S
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	5.5E+03	n	1.2E+00	n	---	1.2E+02	n	---	---	---	---	---	---	---	5.5E+03	n	5.8E-01	n	---	5.8E+01	n	---	---	---	---	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	6.8E+03	n	1.4E+00	n	---	1.4E+02	n	---	---	---	---	---	---	---	6.8E+03	n	7.0E-01	n	---	7.0E+01	n	---	---	---	---	---	---
Dichloropropane, 1,2-	78-87-5	8.6E+01	n	2.3E-02	m	---	2.3E+00	m	---	8.6E+01	n	7.4E+02	n	---	---	4.4E+01	n	1.1E-02	m	---	1.1E+00	m	---	4.4E+01	n	4.8E+01	n	---
Dichloropropane, 1,3-	142-28-9	9.9E+01	c	1.4E-01	c	---	1.4E+01	c	---	1.5E+02	c	3.0E+03	c	---	---	6.1E+01	c	7.2E-02	c	---	7.2E+00	c	---	7.7E+01	c	2.0E+02	c	---
Dichloropropane, 2,2-	594-20-7	8.6E+01	n	2.7E-01	c	---	2.7E+01	c	---	8.6E+01	n	7.1E+02	n	---	---	4.4E+01	n	1.4E-01	c	---	1.4E+01	c	---	4.4E+01	n	4.6E+01	n	---
Dichloropropanol, 2,3-	616-23-9	2.0E+03	n	7.2E-01	n	---	7.2E+01	n	---	---	---	---	---	---	---	2.0E+03	n	3.6E-01	n	---	3.6E+01	n	---	---	---	---	---	---
Dichloropropene, 1,1-	563-58-6	9.9E+01	c	3.0E-01	c	---	3.0E+01	c	---	1.5E+02	c	4.8E+02	c	---	---	6.1E+01	c	1.5E-01	c	---	1.5E+01	c	---	7.7E+01	c	3.1E+01	c	---
Dichloropropene, 1,3- (mixed isomers)	542-75-6	9.9E+01	c	8.8E-02	c	---	8.8E+00	c	---	1.5E+02	c	1.3E+03	c	---	---	6.1E+01	c	4.4E-02	c	---	4.4E+00	c	---	7.7E+01	c	8.3E+01	c	---
Dichloropropene, cis 1,3-	10061-01-5	5.3E+01	c	1.5E-02	c	---	1.5E+00	c	---	1.4E+02	n	1.3E+03	n	---	---	4.3E+01	n	7.4E-03	c	---	7.4E-01	c	---	7.4E+01	n	8.2E+01	n	---
Dichloropropene, trans 1,3-	10061-02-6	9.9E+01	c	8.0E-02	c	---	8.0E+00	c	---	1.5E+02	c	1.3E+03	c	---	---	6.1E+01	c	4.0E-02	c	---	4.0E+00	c	---	7.7E+01	c	8.1E+01	c	---
Dichlorvos	62-73-7	6.6E+01	c	1.0E+06	c	---	1.0E+06	c	---	1.0E+06	n	1.0E+06	n	---	---	6.6E+01	c	5.5E+05	c	---	1.0E+06	c	---	8.7E+05	n	1.0E+06	n	---
Dicrotophos (bidrin)	141-66-2	6.8E+01	n	1.4E-02	n	---	1.4E+00	n	---	---	---	---	---	---	---	6.8E+01	n	7.0E-03	n	---	7.0E-01	n	---	---	---	---	---	---
Dicyclopentadiene	77-73-6	3.1E+04	n	---	---	---	---	---	---	---	---	---	---	---	---	3.1E+04	n	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	60-57-1	1.2E+00	c	1.1E-01	c	---	1.1E+01	c	---	5.3E+01	c	1.8E+05	c	> S	---	1.1E+00	c	5.5E-02	c	---	5.5E+00	c	---	2.7E+01	c	1.2E+04	c	> S
Diethanolamine	111-42-2	1.8E+02	n	7.0E-02	n	---	7.0E+00	n	---	3.9E+02	n	4.2E+05	n	---	---	1.3E+02	n	3.5E-02	n	---	3.5E+00	n	---	2.0E+02	n	1.6E+05	n	---
Diethyl phthalate	84-66-2	4.0E+03	n	4.7E+02	n	---	4.7E+04	n	> S	4.0E+03	n	1.0E+06	n	> S	---	2.0E+03	n	2.3E+02	n	---	2.3E+04	n	> S	2.1E+03	n	9.8E+04	n	> S
Diethylene glycol	111-46-6	1.0E+06	n	2.8E+02	n	---	2.8E+04	n	---	---	---	---	---	---	---	1.0E+06	n	1.4E+02	n	---	1.4E+04	n	---	---	---	---	---	---
Diethylene glycol monobutyl ether	112-34-5	5.2E+03	n	1.4E+01	n	---	1.4E+03	n	---	5.7E+03	n	1.0E+06	n	> S	---	2.8E+03	n	7.0E+00	n	---	7.0E+02	n	---	2.9E+03	n	1.2E+05	n	> S
Diethylhexyl adipate	103-23-1	1.6E+04	c	6.1E+03	m	> S	6.1E+05	m	> S	4.5E+04	n	1.0E+06	n	> S	---	1.6E+04	c	3.0E+03	m	> S	3.0E+05	m	> S	2.3E+04	n	1.0E+06	n	> S
Diethylstilbestrol	56-53-1	4.1E-03	c	1.3E-03	c	---	1.3E-01	c	---	---	---	---	---	---	---	4.1E-03	c	6.5E-04	c	---	6.5E-02	c	---	---	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	4.0E+03	n	1.8E+03	n	> S	1.8E+05	n	> S	4.3E+03	n	1.3E+04	n	> S	---	2.1E+03	n	9.0E+02	n	> S	9.0E+04	n	> S	2.2E+03	n	8.6E+02	n	> S
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	1.8E+04	n	3.6E+01	n	---	3.6E+03	n	---	2.1E+04	n	1.9E+05	n	> S	---	1.0E+04	n	1.8E+01	n	---	1.8E+03	n	---	1.1E+04	n	1.2E+04	n	> S
Dimethenamid	87674-68-8	1.0E+04	n	3.1E+00	n	---	3.1E+02	n	---	---	---	---	---	---	---	1.0E+04	n	1.5E+00	n	---	1.5E+02	n	---	---	---	---	---	---
Dimethoate	60-51-5	1.4E+02	n	3.0E-02	n	---	3.0E+00	n	---	---	---	---	---	---	---	1.4E+02	n	1.5E-02	n	---	1.5E+00	n	---	---	---	---	---	---
Dimethoxybenzidine, 3,3'-	119-90-4	1.4E+03	c	6.3E-01	c	---	6.3E+01	c	---	---	---	---	---	---	---	1.4E+03	c	3.2E-01	c	---	3.2E+01	c	---	---	---	---	---	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area															30 acre source area												
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Dimethylaminoazobenzene, p-	60-11-7	6.8E+00	n	3.4E+00	n	---	3.4E+02	n	---	---	---	---	---	---	---	---	6.8E+00	n	1.7E+00	n	---	1.7E+02	n	---	---	---	---	---	---
Dimethylbenz-a-anthracene, 7,12-	57-97-6	6.9E-02	c	2.8E+00	c	---	2.8E+02	c	---	2.4E+02	c	1.0E+06	c	> S	---	---	6.9E-02	c	1.4E+00	c	---	1.4E+02	c	---	1.2E+02	c	1.0E+06	c	> S	---
Dimethylbenzidine, 3,3'-	119-93-7	2.1E+00	c	2.2E-03	c	---	2.2E-01	c	---	---	---	---	---	---	---	---	2.1E+00	c	1.1E-03	c	---	1.1E-01	c	---	---	---	---	---	---
Dimethylnaphthalene, 1,3-	575-41-7	2.5E+04	n	2.4E+03	n	---	2.4E+05	n	> S	---	---	---	---	---	---	---	2.5E+04	n	1.2E+03	n	---	1.2E+05	n	> S	---	---	---	---	---
Dimethyl phenol, 2,4-	105-67-9	4.7E+03	n	9.7E+00	n	---	9.7E+02	n	---	7.1E+03	n	1.0E+06	n	> S	---	---	2.9E+03	n	4.8E+00	n	---	4.8E+02	n	---	3.6E+03	n	9.8E+04	n	> S	---
Dimethylphenethylamine, alpha, alpha-	122-09-8	1.4E+03	n	1.1E+00	n	---	1.1E+02	n	---	2.9E+05	n	1.0E+06	n	> S	---	---	1.4E+03	n	5.6E-01	n	---	5.6E+01	n	---	1.5E+05	n	1.0E+06	n	> S	---
Dimethylphthalate	131-11-3	1.8E+03	n	1.9E+02	n	---	1.9E+04	n	> S	1.8E+03	n	4.7E+05	n	> S	---	---	9.3E+02	n	9.3E+01	n	---	9.3E+03	n	> S	9.3E+02	n	3.0E+04	n	> S	---
Di-n-butyl phthalate	84-74-2	2.6E+04	n	9.9E+03	n	---	9.9E+05	n	> S	4.2E+04	n	1.0E+06	n	> S	---	---	1.6E+04	n	5.0E+03	n	---	5.0E+05	n	> S	2.1E+04	n	1.0E+06	n	> S	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	5.7E+01	n	2.3E-02	n	---	2.3E+00	n	---	3.4E+02	n	8.3E+04	n	> S	---	---	4.9E+01	n	1.1E-02	n	---	1.1E+00	n	---	1.7E+02	n	5.4E+03	n	> S	---
Dinitrobenzene, 1,4-	100-25-4	1.6E+02	n	8.7E-02	n	---	8.7E+00	n	---	3.8E+02	n	1.1E+05	n	> S	---	---	1.1E+02	n	4.3E-02	n	---	4.3E+00	n	---	1.9E+02	n	7.0E+03	n	> S	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	6.3E+01	n	2.8E-01	n	---	2.8E+01	n	---	6.6E+01	n	2.3E+04	n	> S	---	---	3.3E+01	n	1.4E-01	n	---	1.4E+01	n	---	3.4E+01	n	1.5E+03	n	> S	---
Dinitrophenol, 2,4-	51-28-5	1.4E+03	n	2.8E-01	n	---	2.8E+01	n	---	---	---	---	---	---	---	---	1.4E+03	n	1.4E-01	n	---	1.4E+01	n	---	---	---	---	---	---	---
Dinitrophenol, 2,5-	329-71-5	1.4E+03	n	2.9E-01	n	---	2.9E+01	n	---	---	---	---	---	---	---	---	1.4E+03	n	1.4E-01	n	---	1.4E+01	n	---	---	---	---	---	---	---
Dinitrotoluene, 2,4-	121-14-2	2.8E+01	c	1.2E-02	c	---	1.2E+00	c	---	4.1E+01	n	6.8E+03	n	> S	---	---	2.1E+01	n	6.0E-03	c	---	6.0E-01	c	---	2.1E+01	n	4.4E+02	n	> S	---
Dinitrotoluene, 2,6-	606-20-2	2.8E+01	c	1.1E-02	c	---	1.1E+00	c	---	6.0E+01	n	1.6E+04	n	> S	---	---	2.8E+01	c	5.4E-03	c	---	5.4E-01	c	---	3.1E+01	n	1.0E+03	n	> S	---
Di-n-octyl phthalate	117-84-0	1.4E+04	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	---	1.4E+04	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Dinoseb	88-85-7	6.8E+02	n	3.5E-01	m	---	3.5E+01	m	---	---	---	---	---	---	---	---	6.8E+02	n	1.8E-01	m	---	1.8E+01	m	---	---	---	---	---	---	---
Dioxane 1,4-	123-91-1	2.6E+03	c	3.6E-01	c	---	3.6E+01	c	---	4.9E+03	n	4.0E+05	n	---	---	---	2.5E+03	n	1.8E-01	c	---	1.8E+01	c	---	2.5E+03	n	2.6E+04	n	---	---
Diphenylamine	122-39-4	4.1E+03	n	2.9E+01	n	---	2.9E+03	n	---	5.3E+03	n	1.0E+06	n	> S	---	---	2.4E+03	n	1.4E+01	n	---	1.4E+03	n	---	2.7E+03	n	7.9E+04	n	> S	---
Diphenylhydrazine, 1,2-	122-66-7	2.2E+01	c	7.2E-02	c	---	7.2E+00	c	---	2.4E+02	c	1.8E+05	c	> S	---	---	2.0E+01	c	3.6E-02	c	---	3.6E+00	c	---	1.2E+02	c	1.2E+04	c	> S	---
Diphenyl oxide	101-84-8	1.8E+03	n	2.7E+02	n	---	2.7E+04	n	> S	3.1E+03	n	7.7E+05	n	> S	---	---	1.1E+03	n	1.4E+02	n	---	1.4E+04	n	> S	1.6E+03	n	5.0E+04	n	> S	---
Diquat	85-00-7	1.0E+02	n	2.0E-01	m	---	2.0E+01	m	---	1.1E+02	n	6.0E+05	n	---	---	---	5.3E+01	n	1.0E-01	m	---	1.0E+01	m	---	5.5E+01	n	2.8E+05	n	---	---
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	928-72-3/ 142-73-4	6.8E+03	n	1.4E+00	n	---	1.4E+02	n	---	---	---	---	---	---	---	---	6.8E+03	n	7.0E-01	n	---	7.0E+01	n	---	---	---	---	---	---	---
Disulfoton	298-04-4	2.4E+01	n	1.0E+00	n	---	1.0E+02	n	---	2.1E+02	n	1.8E+05	n	> S	---	---	2.2E+01	n	5.2E-01	n	---	5.2E+01	n	---	1.1E+02	n	1.1E+04	n	> S	---
Diuron	330-54-1	1.3E+03	n	2.8E+00	n	---	2.8E+02	n	---	1.6E+04	n	1.0E+06	n	> S	---	---	1.2E+03	n	1.4E+00	n	---	1.4E+02	n	---	8.0E+03	n	6.7E+05	n	> S	---
Dodecylphenol, 4-	27193-86-8/ 104-43-8	3.4E+04	n	1.0E+06	n	> S	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---	---	3.4E+04	n	1.0E+06	n	> S	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---
Endosulfan	115-29-7	1.1E+02	n	1.4E+01	n	---	1.4E+03	n	> S	1.1E+02	n	5.1E+04	n	> S	---	---	5.6E+01	n	6.9E+00	n	---	6.9E+02	n	> S	5.7E+01	n	3.3E+03	n	> S	---
Endosulfan I	959-98-8	2.2E+02	n	9.2E+01	n	---	9.2E+03	n	> S	2.6E+02	n	8.0E+05	n	> S	---	---	1.2E+02	n	4.6E+01	n	---	4.6E+03	n	> S	1.3E+02	n	5.2E+04	n	> S	---
Endosulfan II	33213-65-9	4.1E+03	n	2.8E+02	n	---	2.8E+04	n	> S	---	---	---	---	---	---	---	4.1E+03	n	1.4E+02	n	---	1.4E+04	n	> S	---	---	---	---	---	---
Endosulfan sulfate	1031-07-8	4.1E+03	n	1.4E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	---	4.1E+03	n	7.0E+03	n	> S	7.0E+05	n	> S	---	---	---	---	---	---
Endothall	145-73-3	1.4E+04	n	5.3E-01	m	---	5.3E+01	m	---	---	---	---	---	---	---	---	1.4E+04	n	2.7E-01	m	---	2.7E+01	m	---	---	---	---	---	---	---
Endrin	72-20-8	1.6E+02	n	7.5E-01	m	---	7.5E+01	m	---	6.6E+02	n	1.0E+06	n	> S	---	---	1.3E+02	n	3.8E-01	m	---	3.8E+01	m	---	3.4E+02	n	1.1E+05	n	> S	---
Endrin aldehyde	7421-93-4	2.0E+02	n	1.9E+03	n	> S	1.9E+05	n	> S	---	---	---	---	---	---	---	2.0E+02	n	9.4E+02	n	> S	9.4E+04	n	> S	---	---	---	---	---	---
Endrin ketone	53494-70-5	1.9E+02	n	1.5E+02	n	---	1.5E+04	n	> S	2.6E+03	n	1.0E+06	n	> S	---	---	1.8E+02	n	7.6E+01	n	---	7.6E+03	n	> S	1.4E+03	n	1.0E+06	n	> S	---
Epichlorohydrin	106-89-8	3.6E+01	n	2.9E-01	n	---	2.9E+01	n	---	3.7E+01	n	2.0E+03	n	---	---	---	1.9E+01	n	1.5E-01	n	---	1.5E+01	n	---	1.9E+01	n	1.3E+02	n	---	---
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate	2104-64-5	6.8E+00	n	1.6E-01	n	---	1.6E+01	n	---	---	---	---	---	---	---	---	6.8E+00	n	8.2E-02	n	---	8.2E+00	n	---	---	---	---	---	---	---
Esfenvalerate	66230-04-4	1.4E+03	n	3.7E+02	n	> S	3.7E+04	n	> S	---	---	---	---	---	---	---	1.4E+03	n	1.9E+02	n	> S	1.9E+04	n	> S	---	---	---	---	---	---
Ethalfluralin (sonolan)	55283-68-6	2.1E+02	c	5.6E+01	c	---	5.6E+03	c	---	---	---	---	---	---	---	---	2.1E+02	c	2.8E+01	c	---	2.8E+03	c	---	---	---	---	---	---	---
Ethanol	64-17-5	1.2E+05	n	4.7E+03	n	---	4.7E+05	n	---	1.2E+05	n	1.0E+06	n	> S	---	---	6.3E+04	n	2.4E+03	n	---	2.4E+05	n	---	6.4E+04	n	7.7E+05	n	> S	---
Ethion	563-12-2	3.1E+02	n	2.3E+01	n	---	2.3E+03	n	> S	3.2E+03	n	1.0E+06	n	> S	---	---	2.8E+02	n	1.1E+01	n	---	1.1E+03	n	> S	1.7E+03	n	6.7E+05	n	> S	---
Ethoprop	13194-48-4	6.8E+01	n	3.7E-01	n	---	3.7E+01	n	---	---	---	---	---	---	---	---	6.8E+01	n	1.8E-01	n	---	1.8E+01	n	---	---	---	---	---	---	---
Ethoxy ethanol, 2-	110-80-5	4.3E+03	n	2.1E+02	n	> S	2.1E+04	n	> S	4.3E+03	n	5.1E+03	n	> S	---	---	2.2E+03	n	1.1E+02	n	> S	1.1E+04	n	> S	2.2E+03	n	3.3E+02	n	> S	---
Ethyl acetate	141-78-6	3.1E+04	n	1.4E+02	n	---	1.4E+04	n	---	3.2E+04	n	1.0E+06	n	> S	---	---	1.6E+04	n	7.0E+01	n	---	7.0E+03	n	---	1.7E+04	n	6.4E+04	n	> S	---
Ethyl acrylate	140-88-5	6.0E+02	c	2.7E-01	c	---	2.7E+01	c	---	6.8E+02	n	1.9E+04	n	---	---	---	3.5E+02	n	1.3E-01	c	---	1.3E+01	c	---	3.5E+02	n	1.2E+03	n	---	---
Ethyl benzene	100-41-4	1.8E+04	n	7.6E+00	m	---	7.6E+02	m	---	2.1E+04	n	2.4E+05	n	> S	---	---	1.0E+04	n	3.8E+00	m	---	3.8E+02	m	---	1.1E+04	n	1.5E+04	n	> S	---
Ethyl dipropylthiocarbamate, S-	759-94-4	1.7E+04	n	2.1E+01	n	---	2.1E+03	n	---	---	---	---	---	---	---	---	1.7E+04	n	1.1E+01	n	---	1.1E+03	n	---	---	---	---	---	---	---
Ethylene*	74-85-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	107-15-3	4.2E+03	n	3.1E+00	n	---	3.1E+02	n	---	5.2E+03	n	1.0E+06	n	---	---	---	2.4E+03	n	1.5E+00	n	---	1.5E+02	n	---	2.7E+03	n	8.7E+04	n	---	---
Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	3.1E-01	c	2.1E-04	m	---	2.1E-02	m	---	4.4E+00	c	1.1E+02	c	---	---	---	2.9E-01	c	1.0E-04	m	---	1.0E-02	m	---	2.3E+00	c	6.8E+00	c	---	---
Ethylene glycol	107-21-1	4.3E+03	n	2.8E+02	n	---	2.8E+04	n	---	4.3E+03	n	1.0E+06	n	---	---	---	2.2E+03	n	1.4E+02	n	---	1.4E+04	n	---	2.2E+03	n	7.2E+04	n	---	---
Ethylenimine	151-56-4	1.5E-01	c	6.3E-05	c	---	6.3E-03	c	---	2.2E-01	c	4.7E+01	c	---	---	---	9.0E-02	c	3.1E-05	c	---	3.1E-03	c	---	1.1E-01	c	3.0E+00	c	---	---
Ethylene oxide	75-21-8	5.0E+00	c	4.0E-03	c	---	4.0E-01	c	---	6.0E+00	c	1.4E+02	c	---	---	---	2.8E+00	c	2.0E-03	c	---	2.0E-01	c	---	3.1E+00	c	9.2E+00	c	---	---
Ethylene thiourea	96-45-7	5.0E+01	n	1.1E-02	n	---	1.1E+00	n	---	6.9E+02	n	1.5E+05	n	> S	---	---	4.7E+01	n	5.6E-03	n	---	5.6E-01	n	---	3.5E+02	n	9.4E+03	n	> S	---
Ethyl ether	60-29-7	2.3E+04	n	3.3E+01	n	---	3.3E+03	n	---	2.6E+04	n	2.7E+05	n	> S	---	---	1.3E+04	n	1.7E+01	n	---	1.7E+03	n	---	1.3E+04	n	1.7E+04	n	> S	---
Ethyl-1-hexanol, 2-	104-76-7	3.5E+04	n	2.3E+02	n	---	2.3E+04	n	> S	5.3E+04	n	1.0E+06	n	> S	---	---	2.1E+04	n	1.1E+02	n	---	1.1E+04	n	> S	2.7E+04	n	4.9E+05	n	> S	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area															30 acre source area														
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Ethyl-2-hexenal, 2-	645-62-5	6.3E+03	n	8.4E+01	n	---	8.4E+03	n	> S	6.6E+03	n	2.0E+05	n	> S	---	3.3E+03	n	4.2E+01	n	---	4.2E+03	n	> S	3.4E+03	n	1.3E+04	n	> S	---
Ethylhexyl acrylate, 2-	103-11-7	4.0E+02	c	1.7E+01	c	---	1.7E+03	c	---	3.9E+03	n	7.5E+05	n	---	---	4.0E+02	c	8.6E+00	c	---	8.6E+02	c	---	2.0E+03	n	4.9E+04	n	---	---
Ethyl methacrylate	97-63-2	1.4E+04	n	2.2E+01	n	---	2.2E+03	n	---	1.6E+04	n	4.5E+05	n	> S	---	7.8E+03	n	1.1E+01	n	---	1.1E+03	n	---	8.5E+03	n	2.9E+04	n	> S	---
Ethyl methanesulfonate	62-50-0	9.8E+01	c	4.0E-02	c	---	4.0E+00	c	---	2.0E+02	c	6.0E+04	c	---	---	6.7E+01	c	2.0E-02	c	---	2.0E+00	c	---	1.0E+02	c	3.9E+03	c	---	---
Ethyl-2-methyl benzene, 1-	611-14-3	1.1E+04	n	6.6E+02	n	---	6.6E+04	n	> S	1.2E+04	n	5.8E+05	n	> S	---	5.9E+03	n	3.3E+02	n	---	3.3E+04	n	> S	6.1E+03	n	3.8E+04	n	> S	---
Ethyl-4-methyl benzene, 1-	622-96-8	9.6E+03	n	7.2E+02	n	---	7.2E+04	n	> S	1.0E+04	n	4.8E+05	n	> S	---	5.1E+03	n	3.6E+02	n	---	3.6E+04	n	> S	5.2E+03	n	3.1E+04	n	> S	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	8.8E+02	n	2.7E-01	n	---	2.7E+01	n	---	6.4E+03	n	5.6E+04	n	> S	---	7.8E+02	n	1.3E-01	n	---	1.3E+01	n	---	3.3E+03	n	3.6E+03	n	> S	---
Famphur	52-85-7	1.9E+01	n	5.4E-03	n	---	5.4E-01	n	---	3.8E+02	n	1.9E+05	n	> S	---	1.8E+01	n	2.7E-03	n	---	2.7E-01	n	---	1.9E+02	n	3.6E+04	n	> S	---
Fensulfothion	115-90-2	6.8E+02	n	1.0E+00	n	---	1.0E+02	n	---	---	---	---	---	---	---	6.8E+02	n	5.2E-01	n	---	5.2E+01	n	---	---	---	---	---	---	---
Fenthion	55-38-9	4.8E+01	n	2.3E-01	n	---	2.3E+01	n	---	---	---	---	---	---	---	4.8E+01	n	1.2E-01	n	---	1.2E+01	n	---	---	---	---	---	---	---
Fluoranthene	206-44-0	2.5E+04	n	5.7E+03	n	> S	5.7E+05	n	> S	---	---	---	---	---	---	2.5E+04	n	2.9E+03	n	> S	2.9E+05	n	> S	---	---	---	---	---	---
Fluorene	86-73-7	2.5E+04	n	8.9E+02	n	> S	8.9E+04	n	> S	---	---	---	---	---	---	2.5E+04	n	4.5E+02	n	> S	4.5E+04	n	> S	---	---	---	---	---	---
Fluorine (soluble fluoride)	7782-41-4	5.8E+04	n	---	---	---	---	---	---	---	---	---	---	---	---	5.8E+04	n	---	---	---	---	---	---	---	---	---	---	---	---
Fluorochloridone	61213-25-0	3.9E+03	n	1.2E+01	n	---	1.2E+03	n	---	1.6E+04	n	1.0E+06	n	> S	---	3.2E+03	n	5.9E+00	n	---	5.9E+02	n	---	8.5E+03	n	7.3E+05	n	> S	---
Fonofos	944-22-9	1.4E+03	n	2.1E+01	n	---	2.1E+03	n	> S	---	---	---	---	---	---	1.4E+03	n	1.1E+01	n	---	1.1E+03	n	> S	---	---	---	---	---	---
Formaldehyde	50-00-0	2.7E+02	c	2.9E+01	n	---	2.9E+03	n	---	2.7E+02	c	4.7E+04	c	---	---	1.4E+02	c	1.5E+01	n	---	1.5E+03	n	---	1.4E+02	c	3.1E+03	c	---	---
Formic acid	64-18-6	9.3E+02	n	2.8E+02	n	---	2.8E+04	n	---	9.3E+02	n	1.5E+05	n	---	---	4.8E+02	n	1.4E+02	n	---	1.4E+04	n	---	4.8E+02	n	9.6E+03	n	---	---
Furan	110-00-9	3.8E+02	n	2.4E-01	n	---	2.4E+01	n	---	6.0E+02	n	1.9E+03	n	---	---	2.4E+02	n	1.2E-01	n	---	1.2E+01	n	---	3.1E+02	n	1.2E+02	n	---	---
Furfural	98-01-1	6.7E+02	n	4.4E-01	n	---	4.4E+01	n	---	8.5E+02	n	1.2E+05	n	---	---	3.8E+02	n	2.2E-01	n	---	2.2E+01	n	---	4.4E+02	n	7.9E+03	n	---	---
Glycidylaldehyde	765-34-4	1.4E+02	n	6.7E-02	n	---	6.7E+00	n	---	2.1E+02	n	4.6E+04	n	---	---	8.5E+01	n	3.3E-02	n	---	3.3E+00	n	---	1.1E+02	n	3.0E+03	n	---	---
Glyphosate	1071-83-6	6.8E+04	n	1.3E+00	m	---	1.3E+02	m	---	---	---	---	---	---	---	6.8E+04	n	6.7E-01	m	---	6.7E+01	m	---	---	---	---	---	---	---
Heptachlor	76-44-8	3.3E+00	c	1.9E-01	m	---	1.9E+01	m	---	1.5E+01	c	5.0E+03	c	> S	---	2.8E+00	c	9.4E-02	m	---	9.4E+00	m	---	7.9E+00	c	3.2E+02	c	> S	---
Heptachlor epoxide	1024-57-3	2.0E+00	c	5.8E-02	m	---	5.8E+00	m	---	4.0E+01	c	5.8E+04	c	> S	---	1.9E+00	c	2.9E-02	m	---	2.9E+00	m	---	2.1E+01	c	3.8E+03	c	> S	---
Heptane, n-	142-82-5	5.3E+04	n	2.1E+03	n	> S	2.1E+05	n	> S	3.9E+05	n	1.0E+06	n	> S	---	4.7E+04	n	1.1E+03	n	> S	1.1E+05	n	> S	2.0E+05	n	7.7E+04	n	> S	---
Heptanoic acid, n-	111-14-8	1.7E+02	n	7.1E+01	n	---	7.1E+03	n	> S	1.7E+02	n	4.5E+04	n	> S	---	8.8E+01	n	3.5E+01	n	---	3.5E+03	n	> S	8.8E+01	n	2.9E+03	n	> S	---
Hexachlorobenzene	118-74-1	8.7E+00	c	1.1E+00	m	---	1.1E+02	m	> S	3.2E+01	c	1.1E+04	c	> S	---	6.9E+00	c	5.6E-01	m	---	5.6E+01	m	> S	1.6E+01	c	7.0E+02	c	> S	---
Hexachlorobutadiene	87-68-3	4.1E+01	c	4.1E+00	n	---	4.1E+02	n	---	4.9E+01	c	4.2E+03	c	> S	---	2.3E+01	c	2.1E+00	n	---	2.1E+02	n	---	2.5E+01	c	2.7E+02	c	> S	---
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	3.3E+00	c	1.8E-02	c	---	1.8E+00	c	---	2.3E+01	c	1.4E+04	c	> S	---	2.9E+00	c	8.9E-03	c	---	8.9E-01	c	---	1.2E+01	c	9.1E+02	c	> S	---
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	1.2E+01	c	6.5E-02	c	---	6.5E+00	c	---	1.2E+02	c	1.1E+05	c	> S	---	1.1E+01	c	3.2E-02	c	---	3.2E+00	c	---	6.2E+01	c	7.1E+03	c	> S	---
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	1.2E+01	c	3.9E-01	c	---	3.9E+01	c	---	1.7E+02	c	2.1E+05	c	> S	---	1.2E+01	c	1.9E-01	c	---	1.9E+01	c	---	8.8E+01	c	1.3E+04	c	> S	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	1.8E+01	c	9.2E-03	m	---	9.2E-01	m	---	8.1E+02	n	5.3E+05	n	> S	---	1.8E+01	c	4.6E-03	m	---	4.6E-01	m	---	4.2E+02	n	3.5E+04	n	> S	---
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	1.2E+01	c	1.1E-01	c	---	1.1E+01	c	---	1.5E+02	c	1.6E+05	c	> S	---	1.1E+01	c	5.6E-02	c	---	5.6E+00	c	---	7.7E+01	c	1.1E+04	c	> S	---
Hexachlorocyclopentadiene (HCCPD)	77-47-4	2.0E+01	n	1.9E+01	m	---	1.9E+03	m	> S	2.0E+01	n	2.9E+03	n	> S	---	1.0E+01	n	9.6E+00	m	---	9.6E+02	m	> S	1.0E+01	n	1.9E+02	n	> S	---
Hexachloroethane	67-72-1	6.8E+02	n	5.5E+00	n	---	5.5E+02	n	---	1.6E+03	c	1.8E+05	c	> S	---	5.2E+02	c	2.7E+00	n	---	2.7E+02	n	---	8.3E+02	c	1.2E+04	c	> S	---
Hexachlorophene	70-30-4	2.0E+02	n	1.8E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	2.0E+02	n	8.8E+03	n	> S	8.8E+05	n	> S	---	---	---	---	---	---
Hexachloropropylene	1888-71-7	6.8E+02	n	3.1E+01	n	---	3.1E+03	n	---	1.7E+03	c	3.0E+05	c	> S	---	5.3E+02	c	1.6E+01	n	---	1.6E+03	n	---	8.6E+02	c	1.9E+04	c	> S	---
Hexane, n-	110-54-3	4.0E+03	n	6.1E+02	n	---	6.1E+04	n	> S	4.3E+03	n	2.2E+03	n	> S	---	2.1E+03	n	3.0E+02	n	---	3.0E+04	n	> S	2.2E+03	n	1.4E+02	n	> S	---
Hexanediol, 1,6-	629-11-8	1.0E+06	n	7.8E+02	n	---	7.8E+04	n	> S	1.0E+06	n	1.0E+06	n	> S	---	1.0E+06	n	3.9E+02	n	---	3.9E+04	n	> S	1.0E+06	n	1.0E+06	n	> S	---
Hexanoic acid	142-62-1	1.9E+02	n	7.0E+01	n	---	7.0E+03	n	---	1.9E+02	n	5.7E+04	n	> S	---	9.8E+01	n	3.5E+01	n	---	3.5E+03	n	---	9.8E+01	n	3.7E+03	n	> S	---
Hexanone, 2-	591-78-6	1.5E+02	n	1.2E+01	n	---	1.2E+03	n	---	1.5E+02	n	5.7E+03	n	---	---	7.9E+01	n	5.8E+00	n	---	5.8E+02	n	---	7.9E+01	n	3.7E+02	n	---	---
Hexazinone	51235-04-2	2.4E+03	n	8.2E+00	n	---	8.2E+02	n	---	2.6E+03	n	1.0E+06	n	> S	---	1.3E+03	n	4.1E+00	n	---	4.1E+02	n	---	1.4E+03	n	2.1E+05	n	> S	---
Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	3.5E+01	n	4.4E+01	n	---	4.4E+03	n	---	3.5E+01	n	1.1E+04	n	---	---	1.8E+01	n	2.2E+01	n	---	2.2E+03	n	---	1.8E+01	n	7.2E+02	n	---	---
Hydrazine	302-01-2	7.2E-01	c	1.3E-03	c	---	1.3E-01	c	---	7.8E-01	c	1.6E+02	c	---	---	3.8E-01	c	6.5E-04	c	---	6.5E-02	c	---	4.0E-01	c	1.1E+01	c	---	---
Hydrogen chloride (hydrochloric acid)*	7647-01-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	95-13-6	1.6E+02	n	2.1E+01	n	---	2.1E+03	n	---	1.6E+02	n	5.6E+03	n	---	---	8.0E+01	n	1.1E+01	n	---	1.1E+03	n	---	8.1E+01	n	3.6E+02	n	---	---
Indeno-1,2,3-cd-pyrene	193-39-5	2.4E+01	c	3.9E+02	c	---	3.9E+04	c	> S	4.2E+04	c	1.0E+06	c	> S	---	2.4E+01	c	1.9E+02	c	---	1.9E+04	c	> S	2.2E+04	c	1.0E+06	c	> S	---
Iron*	7439-89-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	78-83-1	9.9E+03	n	4.7E+01	n	---	4.7E+03	n	---	1.0E+04	n	8.3E+05	n	> S	---	5.2E+03	n	2.3E+01	n	---	2.3E+03	n	---	5.3E+03	n	5.4E+04	n	> S	---
Isobutylene (2-methyl-1-propene)	115-11-7	8.6E+04	n	---	---	---	---	---	---	8.6E+04	n	9.4E+04	n	---	---	4.4E+04	n	---	---	---	---	---	---	4.4E+04	n	6.1E+03	n	---	---
Isobutyric acid (2-methylpropanoic acid)	79-31-2	1.6E+02	n	7.0E+01	n	---	7.0E+03	n	---	1.6E+02	n	4.0E+04	n	---	---	8.2E+01	n	3.5E+01	n	---	3.5E+03	n	---	8.2E+01	n	2.6E+03	n	---	---
Isodrin	465-73-6	1.1E-01	c	3.3E+00	c	---	3.3E+02	c	---	2.9E+00	c	1.6E+04	c	> S	---	1.0E-01	c	1.7E+00	c	---	1.7E+02	c	---	1.5E+00	c	1.0E+03	c	> S	---
Isophorone	78-59-1	3.7E+03	n	6.7E+00	c	---	6.7E+02	c	---	3.8E+03	n	4.5E+05	n	> S	---	1.9E+03	n	3.4E+00	c	---	3.4E+02	c	---	1.9E+03	n	2.9E+04	n	> S	---
Isopropyl acetate	108-21-4	7.2E+04	n	1.2E+01	n	---	1.2E+03	n	---	---	---	---	---	---	---	7.2E+04	n	6.0E+00	n	---	6.0E+02	n	---	---	---	---	---	---	---
Isopropyl alcohol	67-63-0	3.9E+04	n	3.0E+01	n	---	3.0E+03	n	---	4.7E+04	n	1.0E+06	n	> S	---	2.2E+04	n	1.5E+01	n	---	1.5E+03	n	---	2.4E+04	n	2.7E+05	n	> S	---
Isosafrole	120-58-1	5.5E+01	c	2.9E-01	c	---	2.9E+01	c	---	1.5E+02	c	2.2E+04	c	> S	---	4.1E+01	c	1.5E-01	c	---	1.5E+01	c	---	7.9E+01	c	1.5E+03	c	> S	---
Kelthane (dicofol)	115-32-2	4.1E+03	n	2.2E+02	n	---	2.2E+04	n	> S	---	---	---	---	---	---	4.1E+03	n	1.1E+02	n	---	1.1E+04	n	> S	---	---	---	---	---	---
Kepone (chlordecone)	143-50-0	1.2E+00	c	1.4E-01	c	---	1.4E+01	c	---	8.2E+01	c	4.3E+05	c	> S	---	1.2E+00	c	6.9E-02	c	---	6.9E+00	c	---	4.2E+01	c	2.8E+04	c	> S	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area																30 acre source area													
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	
Lead (inorganic)	7439-92-1	1.6E+03	---	3.0E+00	a ---	3.0E+02	a ---	---	---	---	---	---		1.6E+03	---	1.5E+00	a ---	1.5E+02	a ---	---	---	---	---	---	
Limonene, d-*	5989-27-5	---	---	---	---	---	---	---	---	---	---	---		---	---	---	---	---	---	---	---	---	---	---	
Lithium[5]	7439-93-2	1.9E+04	n	---	---	---	---	---	---	---	---	---		1.9E+04	n	---	---	---	---	---	---	---	---	---	
Magnesium*	7439-95-4	---	---	---	---	---	---	---	---	---	---	---		---	---	---	---	---	---	---	---	---	---	---	
Malathion	121-75-5	4.6E+03	n	2.0E+01	n ---	2.0E+03	n > S	7.0E+03	n	1.0E+06	n	> S		2.9E+03	n	9.8E+00	n ---	9.8E+02	n > S	3.6E+03	n	2.8E+05	n	> S	
Maleic anhydride	108-31-6	2.9E+02	n	2.1E+01	n ---	2.1E+03	n ---	2.9E+02	n	6.5E+04	n	> S		1.5E+02	n	1.1E+01	n ---	1.1E+03	n ---	1.5E+02	n	4.2E+03	n	> S	
Maleic hydrazide	123-33-1	3.2E+04	n	1.1E+02	n ---	1.1E+04	n ---	3.5E+04	n	1.0E+06	n	> S		1.7E+04	n	5.3E+01	n ---	5.3E+03	n ---	1.8E+04	n	1.0E+06	n	> S	
Malononitrile	109-77-3	1.4E+01	n	3.1E-03	n ---	3.1E-01	n ---	1.7E+03	n	4.4E+05	n	---		1.3E+01	n	1.5E-03	n ---	1.5E-01	n ---	8.8E+02	n	2.9E+04	n	---	
Mancozeb	8018-01-7	2.0E+04	n	5.4E+00	n ---	5.4E+02	n > S	---	---	---	---	---		2.0E+04	n	2.7E+00	n ---	2.7E+02	n > S	---	---	---	---	---	
Manganese	7439-96-5	3.6E+04	n	1.0E+04	n ---	1.0E+06	n ---	---	---	---	---	---	5.0E+01	2.4E+04	n	5.1E+03	n ---	5.1E+05	n ---	---	---	---	---	---	2.5E+01
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	94-74-6	3.4E+02	n	7.0E-02	n ---	7.0E+00	n ---	---	---	---	---	---		3.4E+02	n	3.5E-02	n ---	3.5E+00	n ---	---	---	---	---	---	
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0/ 93-65-2	6.8E+02	n	1.4E-01	n ---	1.4E+01	n ---	---	---	---	---	---		6.8E+02	n	7.0E-02	n ---	7.0E+00	n ---	---	---	---	---	---	
Merphos	150-50-5	2.0E+01	n	1.9E+01	n ---	1.9E+03	n > S	---	---	---	---	---		2.0E+01	n	9.7E+00	n ---	9.7E+02	n > S	---	---	---	---	---	
Mercury[6]	7439-97-6/ 7487-94-7	6.2E+00	n	7.8E-03	m ---	7.8E-01	m > S	6.4E+00	n	4.0E+01	n	> S		3.3E+00	n	3.9E-03	m ---	3.9E-01	m > S	3.3E+00	n	2.6E+00	n	> S	
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	2.8E+03	n	1.4E+00	n ---	1.4E+02	n ---	3.8E+03	n	3.3E+05	n	> S		1.6E+03	n	7.0E-01	n ---	7.0E+01	n ---	2.0E+03	n	2.1E+04	n	> S	
Methacrylonitrile	126-98-7	4.3E+01	n	1.5E-02	n ---	1.5E+00	n ---	7.4E+01	n	2.9E+03	n	---		2.8E+01	n	7.5E-03	n ---	7.5E-01	n ---	3.8E+01	n	1.9E+02	n	---	
Methanol	67-56-1	1.6E+04	n	7.0E+01	n ---	7.0E+03	n ---	1.7E+04	n	1.0E+06	n	---		8.4E+03	n	3.5E+01	n ---	3.5E+03	n ---	8.6E+03	n	1.1E+05	n	---	
Methapyrilene	91-80-5	4.1E+00	c	1.2E-03	c ---	1.2E-01	c ---	1.3E+02	n	4.4E+04	n	---		4.1E+00	c	5.9E-04	c ---	5.9E-02	c ---	6.5E+01	n	2.8E+03	n	---	
Methomyl	16752-77-5	1.9E+03	n	1.5E+01	n ---	1.5E+03	n ---	2.1E+03	n	8.3E+05	n	> S		1.0E+03	n	7.6E+00	n ---	7.6E+02	n ---	1.1E+03	n	5.5E+04	n	> S	
Methoxychlor	72-43-5	3.2E+03	n	1.2E+02	m ---	1.2E+04	m > S	4.4E+04	n	1.0E+06	n	> S		3.0E+03	n	6.2E+01	m ---	6.2E+03	m > S	2.2E+04	n	1.0E+06	n	> S	
Methoxyethanol, 2-	109-86-4	4.3E+02	n	---	---	---	---	4.3E+02	n	6.2E+02	n	---		2.2E+02	n	---	---	---	---	2.2E+02	n	4.0E+01	n	---	
Methyl acetate (acetic acid, methyl ester)	79-20-9	1.3E+04	n	1.5E+02	n ---	1.5E+04	n ---	1.3E+04	n	3.7E+05	n	> S		6.6E+03	n	7.3E+01	n ---	7.3E+03	n ---	6.6E+03	n	2.4E+04	n	> S	
Methyl acrylate	96-33-3	1.4E+02	n	3.1E-01	n ---	3.1E+01	n ---	1.5E+02	n	2.8E+03	n	---		7.5E+01	n	1.5E-01	n ---	1.5E+01	n ---	7.7E+01	n	1.8E+02	n	---	
Methyl amyl ketone (2-heptanone)	110-43-0	1.0E+04	n	1.4E+01	n ---	1.4E+03	n ---	1.3E+04	n	4.9E+05	n	> S		5.8E+03	n	7.1E+00	n ---	7.1E+02	n ---	6.6E+03	n	3.2E+04	n	> S	
Methyl-1-butene, 2-	563-46-2	5.3E+04	n	1.9E+02	n ---	1.9E+04	n > S	3.9E+05	n	4.8E+05	n	> S		4.7E+04	n	9.7E+01	n ---	9.7E+03	n > S	2.0E+05	n	3.1E+04	n	> S	
Methyl-2-butene, 2-	513-35-9	5.3E+04	n	1.2E+02	n ---	1.2E+04	n > S	3.9E+05	n	5.5E+05	n	> S		4.7E+04	n	5.8E+01	n ---	5.8E+03	n > S	2.0E+05	n	3.6E+04	n	> S	
Methylcholanthrene, 3-	56-49-5	7.9E-01	c	3.4E+01	c ---	3.4E+03	c > S	3.0E+03	c	1.0E+06	c	> S		7.9E-01	c	1.7E+01	c ---	1.7E+03	c > S	1.5E+03	c	1.0E+06	c	> S	
Methyl chrysene, 1-	3351-28-8	2.4E+03	c	5.0E+04	c > S	1.0E+06	c > S	1.0E+06	c	1.0E+06	c	> S		2.4E+03	c	2.5E+04	c > S	1.0E+06	c > S	1.0E+06	c	1.0E+06	c	> S	
Methyl chrysene, 2-	3351-32-4	2.4E+03	c	5.0E+04	c > S	1.0E+06	c > S	1.0E+06	c	1.0E+06	c	> S		2.4E+03	c	2.5E+04	c > S	1.0E+06	c > S	1.0E+06	c	1.0E+06	c	> S	
Methyl chrysene, 6-	1705-85-7	2.4E+02	c	4.0E+03	c > S	4.0E+05	c > S	3.9E+05	c	1.0E+06	c	> S		2.4E+02	c	2.0E+03	c > S	2.0E+05	c > S	2.0E+05	c	1.0E+06	c	> S	
Methyl cyclohexane	108-87-2	6.4E+04	n	4.6E+04	n > S	1.0E+06	n > S	6.4E+04	n	2.5E+05	n	> S		3.3E+04	n	2.3E+04	n > S	1.0E+06	n > S	3.3E+04	n	1.6E+04	n	> S	
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	1.4E+02	c	5.0E+00	c ---	5.0E+02	c ---	4.5E+03	c	1.0E+06	c	> S		1.4E+02	c	2.5E+00	c ---	2.5E+02	c ---	2.3E+03	c	6.9E+05	c	> S	
Methylene bromide (dibromomethane)	74-95-3	3.8E+02	n	2.5E+00	c ---	2.5E+02	c ---	3.8E+02	n	1.0E+04	n	---		1.9E+02	n	1.3E+00	c ---	1.3E+02	c ---	1.9E+02	n	6.6E+02	n	---	
Methylene chloride (dichloromethane)	75-09-2	9.6E+02	c	1.3E-02	m ---	1.3E+00	m ---	1.3E+03	c	5.6E+03	c	---		5.6E+02	c	6.5E-03	m ---	6.5E-01	m ---	6.6E+02	c	3.6E+02	c	---	
Methyl ethyl ketone (2-butanone)	78-93-3	1.3E+05	n	8.7E+01	n ---	8.7E+03	n ---	1.6E+05	n	1.0E+06	n	> S		7.3E+04	n	4.4E+01	n ---	4.4E+03	n ---	8.2E+04	n	4.9E+05	n	> S	
Methyl iodide (iodomethane)	74-88-4	2.2E+02	n	3.4E-01	n ---	3.4E+01	n ---	2.6E+02	n	7.9E+02	n	---		1.2E+02	n	1.7E-01	n ---	1.7E+01	n ---	1.3E+02	n	5.1E+01	n	---	
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	4.1E+04	n	1.5E+01	n ---	1.5E+03	n ---	8.1E+04	n	1.0E+06	n	> S		2.8E+04	n	7.4E+00	n ---	7.4E+02	n ---	4.2E+04	n	1.5E+05	n	> S	
Methyl mercury	22967-92-6	9.7E+01	n	---	---	---	---	---	---	---	---	---		9.7E+01	n	---	---	---	---	---	---	---	---	---	
Methylmecury hydroxide	1184-57-2	1.6E+00	n	1.4E-02	n ---	1.4E+00	n ---	1.6E+00	n	4.0E+02	n	---		8.3E-01	n	7.1E-03	n ---	7.1E-01	n ---	8.4E-01	n	2.8E+01	n	---	
Methyl methacrylate	80-62-6	1.5E+04	n	2.9E+02	n ---	2.9E+04	n ---	1.5E+04	n	3.2E+05	n	> S		7.7E+03	n	1.5E+02	n ---	1.5E+04	n ---	7.7E+03	n	2.0E+04	n	> S	
Methyl methanesulfonate	66-27-3	9.5E+01	c	4.0E-02	c ---	4.0E+00	c ---	1.9E+02	c	5.4E+04	c	---		6.4E+01	c	2.0E-02	c ---	2.0E+00	c ---	9.7E+01	c	3.5E+03	c	---	
Methylnaphthalene, 1-	90-12-0	4.3E+04	n	4.8E+02	n ---	4.8E+04	n > S	---	---	---	---	---		4.3E+04	n	2.4E+02	n ---	2.4E+04	n > S	---	---	---	---	---	
Methylnaphthalene, 2-	91-57-6	2.5E+03	n	5.1E+01	n ---	5.1E+03	n > S	---	---	---	---	---		2.5E+03	n	2.5E+01	n ---	2.5E+03	n > S	---	---	---	---	---	
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	5.8E+02	c	3.2E-01	c ---	3.2E+01	c ---	---	---	---	---	---		5.8E+02	c	1.6E-01	c ---	1.6E+01	c ---	---	---	---	---	---	
Methyl parathion	298-00-0	1.1E+02	n	5.1E-01	n ---	5.1E+01	n ---	2.9E+02	n	1.7E+05	n	> S		8.0E+01	n	2.5E-01	n ---	2.5E+01	n ---	1.5E+02	n	1.1E+04	n	> S	
Methyl-2-pentenal, 2-	623-36-9	1.5E+01	c	3.3E-03	c ---	3.3E-01	c ---	1.3E+02	n	3.1E+03	n	---		1.5E+01	c	1.6E-03	c ---	1.6E-01	c ---	6.8E+01	n	2.0E+02	n	---	
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	5.4E+03	n	6.2E+00	n ---	6.2E+02	n ---	6.2E+03	n	1.3E+05	n	> S		3.0E+03	n	3.1E+00	n ---	3.1E+02	n ---	3.2E+03	n	8.6E+03	n	> S	
Methylpyrrolidone, N-	872-50-4	7.4E+03	n	2.9E+00	n ---	2.9E+02	n ---	1.6E+04	n	1.0E+06	n	---		5.2E+03	n	1.4E+00	n ---	1.4E+02	n ---	8.4E+03	n	3.2E+05	n	---	
Methyltetrahydrofuran, 2-	96-47-9	2.9E+02	c	6.2E-01	c ---	6.2E+01	c ---	3.2E+02	c	7.0E+03	c	---		1.6E+02	c	3.1E-01	c ---	3.1E+01	c ---	1.6E+02	c	4.5E+02	c	---	
Methyltetrahydropyran, 2-	10141-72-7	3.3E+02	c	7.3E-01	c ---	7.3E+01	c ---	3.7E+02	c	9.6E+03	c	---		1.8E+02	c	3.6E-01	c ---	3.6E+01	c ---	1.9E+02	c	6.2E+02	c	---	
Metolachlor	51218-45-2	1.0E+05	n	3.3E+02	n ---	3.3E+04	n > S	---	---	---	---	---		1.0E+05	n	1.6E+02	n ---	1.6E+04	n > S	---	---	---	---	---	
Metribuzin	21087-64-9	1.7E+04	n	3.7E+00	n ---	3.7E+02	n ---	---	---	---	---	---		1.7E+04	n	1.8E+00	n ---	1.8E+02	n ---	---	---	---	---	---	
Mirex	2385-85-5	1.4E+02	n	1.3E+04	n > S	1.0E+06	n > S	---	---	---	---	---		1.4E+02	n	6.7E+03	n > S	6.7E+05	n > S	---	---	---	---	---	
Molinate	2212-67-1	1.4E+03	n	5.7E-01	n ---	5.7E+01	n ---	---	---	---	---	---		1.4E+03	n	2.9E-01	n ---	2.9E+01	n ---	---	---	---	---	---	
Molybdenum	7439-98-7	4.5E+03	n	1.5E+02	n ---	1.5E+04	n ---	---	---	---	---	---		4.5E+03	n	7.3E+01	n ---	7.3E+03	n ---	---	---	---	---	---	

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area: $^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	30 acre source area: $^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Morpholine	110-91-8	2.0E+02	n	7.1E+04	n	---	1.0E+06	n	---	2.0E+02	n	5.6E+04	n	< GW Ing	---	1.0E+02	n	3.6E+04	n	---	1.0E+06	n	---	1.0E+02	n	3.7E+03	n	< GW Ing	---
MTBE (methyl tert-butyl ether)[7]	1634-04-4	2.0E+03	c	1.9E+00	n	---	1.9E+02	n	---	2.3E+03	c	1.7E+04	c	---	3.8E-02	1.1E+03	c	9.3E-01	n	---	9.3E+01	n	---	1.2E+03	c	1.1E+03	c	---	1.9E-02
Naled	300-76-5	2.8E+02	n	1.1E+00	n	---	1.1E+02	n	> S	3.6E+02	n	2.2E+04	n	> S	---	1.6E+02	n	5.3E-01	n	---	5.3E+01	n	> S	1.8E+02	n	1.4E+03	n	> S	---
Naphthalene	91-20-3	3.6E+02	n	9.3E+01	n	---	9.3E+03	n	> S	3.7E+02	n	2.8E+04	n	> S	---	1.9E+02	n	4.7E+01	n	---	4.7E+03	n	> S	1.9E+02	n	1.8E+03	n	> S	---
Naphthoquinone, 1,4-	130-15-4	2.7E+01	n	1.4E+00	n	---	1.4E+02	n	---	2.7E+01	n	6.1E+03	n	> S	---	1.4E+01	n	6.9E-01	n	---	6.9E+01	n	---	1.4E+01	n	4.0E+02	n	> S	---
Naphthylamine, 1-	134-32-7	1.4E+04	n	2.8E+01	n	---	2.8E+03	n	---	---	---	---	---	---	---	1.4E+04	n	1.4E+01	n	---	1.4E+03	n	---	---	---	---	---	---	---
Naphthylamine, 2-	91-59-8	1.1E+01	c	2.9E-02	c	---	2.9E+00	c	---	---	---	---	---	---	---	1.1E+01	c	1.4E-02	c	---	1.4E+00	c	---	---	---	---	---	---	---
Napropamide	15299-99-7	6.8E+04	n	1.6E+03	n	---	1.6E+05	n	> S	---	---	---	---	---	---	6.8E+04	n	8.2E+02	n	---	8.2E+04	n	> S	---	---	---	---	---	---
Neopentyl glycol	126-30-7	2.0E+05	n	4.4E+01	n	---	4.4E+03	n	---	---	---	---	---	---	---	2.0E+05	n	2.2E+01	n	---	2.2E+03	n	---	---	---	---	---	---	---
Nickel and compounds	7440-02-0	8.5E+03	n	4.7E+02	n	---	4.7E+04	n	---	---	---	---	---	---	---	7.9E+03	n	2.3E+02	n	---	2.3E+04	n	---	---	---	---	---	---	---
Nitrate	14797-55-8	1.0E+06	n	1.9E+01	m	---	1.9E+03	m	---	---	---	---	---	---	---	1.0E+06	n	9.6E+00	m	---	9.6E+02	m	---	---	---	---	---	---	---
Nitrite	14797-65-0	9.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---	9.7E+04	n	---	---	---	---	---	---	---	---	---	---	---	---
Nitroaniline, 2-	88-74-4	5.0E+01	n	6.6E-02	n	---	6.6E+00	n	---	6.7E+01	n	1.7E+04	n	> S	---	2.9E+01	n	3.3E-02	n	---	3.3E+00	n	---	3.4E+01	n	1.1E+03	n	> S	---
Nitroaniline, 3-	99-09-2	1.8E+02	n	7.6E-02	n	---	7.6E+00	n	---	1.3E+03	n	3.5E+05	n	> S	---	1.6E+02	n	3.8E-02	n	---	3.8E+00	n	---	6.4E+02	n	2.3E+04	n	> S	---
Nitroaniline, 4-	100-01-6	5.0E+02	c	1.3E-01	c	---	1.3E+01	c	---	8.4E+02	n	2.4E+05	n	> S	---	3.6E+02	n	6.4E-02	c	---	6.4E+00	c	---	4.3E+02	n	1.5E+04	n	> S	---
Nitrobenzene	98-95-3	2.4E+02	n	2.6E-01	n	---	2.6E+01	n	---	7.9E+02	n	6.2E+04	n	> S	---	1.9E+02	n	1.3E-01	n	---	1.3E+01	n	---	4.1E+02	n	4.0E+03	n	> S	---
Nitroglycerin	55-63-0	4.8E+01	n	2.9E-02	n	---	2.9E+00	n	---	---	---	---	---	---	---	4.8E+01	n	1.4E-02	n	---	1.4E+00	n	---	---	---	---	---	---	---
Nitrophenol, 2-	88-75-5	6.2E+02	n	4.0E-01	n	---	4.0E+01	n	---	1.1E+03	n	2.6E+05	n	> S	---	4.1E+02	n	2.0E-01	n	---	2.0E+01	n	---	5.8E+02	n	1.7E+04	n	> S	---
Nitrophenol, 3-	554-84-7	8.3E+02	n	6.8E-01	n	---	6.8E+01	n	---	2.1E+03	n	1.0E+06	n	> S	---	6.0E+02	n	3.4E-01	n	---	3.4E+01	n	---	1.1E+03	n	7.6E+05	n	> S	---
Nitrophenol, 4-	100-02-7	1.9E+02	n	3.0E-01	n	---	3.0E+01	n	---	2.3E+02	n	6.8E+04	n	> S	---	1.1E+02	n	1.5E-01	n	---	1.5E+01	n	---	1.2E+02	n	4.4E+03	n	> S	---
Nitropropane, 2-	79-46-9	2.2E-01	c	---	---	---	---	---	---	2.2E-01	c	6.0E+00	c	---	---	1.1E-01	c	---	---	---	---	---	---	1.1E-01	c	3.9E-01	c	---	---
Nitroquinoline-N-oxide, 4-	56-57-5	1.2E+00	c	5.2E-04	c	---	5.2E-02	c	---	3.2E+00	c	4.5E+04	c	---	---	9.0E-01	c	2.6E-04	c	---	2.6E-02	c	---	1.6E+00	c	2.2E+04	c	---	---
Nitrosodiethanolamine, N-	1116-54-7	6.8E+00	c	1.5E-03	c	---	1.5E-01	c	---	---	---	---	---	---	---	6.8E+00	c	7.4E-04	c	---	7.4E-02	c	---	---	---	---	---	---	---
Nitrosodiethylamine, N-	55-18-5	7.0E-02	c	2.8E-05	c	---	2.8E-03	c	---	1.1E-01	c	2.5E+01	c	---	---	4.4E-02	c	1.4E-05	c	---	1.4E-03	c	---	5.7E-02	c	1.6E+00	c	---	---
Nitrosodimethylamine, N-	62-75-9	2.1E-01	c	8.3E-05	c	---	8.3E-03	c	---	3.3E-01	c	7.0E+01	c	---	---	1.3E-01	c	4.1E-05	c	---	4.1E-03	c	---	1.7E-01	c	4.5E+00	c	---	---
Nitrosodi-n-butylamine, N-	924-16-3	1.2E+00	c	4.2E-03	c	---	4.2E-01	c	---	1.7E+00	c	8.8E+01	c	---	---	7.1E-01	c	2.1E-03	c	---	2.1E-01	c	---	9.0E-01	c	5.7E+00	c	---	---
Nitrosodi-n-propylamine, N-	621-64-7	1.4E+00	c	7.9E-04	c	---	7.9E-02	c	---	---	---	---	---	---	---	1.4E+00	c	3.9E-04	c	---	3.9E-02	c	---	---	---	---	---	---	---
Nitrosodiphenylamine, N-	86-30-6	1.9E+03	c	6.3E+00	c	---	6.3E+02	c	> S	---	---	---	---	---	---	1.9E+03	c	3.2E+00	c	---	3.2E+02	c	> S	---	---	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	10595-95-6	1.3E+00	c	2.6E-04	c	---	2.6E-02	c	---	---	---	---	---	---	---	1.3E+00	c	1.3E-04	c	---	1.3E-02	c	---	---	---	---	---	---	---
Nitrosomorpholine, N-	59-89-2	1.4E+00	c	5.9E-04	c	---	5.9E-02	c	---	2.9E+00	c	8.8E+02	c	---	---	9.7E-01	c	2.9E-04	c	---	2.9E-02	c	---	1.5E+00	c	5.7E+01	c	---	---
Nitroso-N-ethylurea, N-	759-73-9	1.4E-01	c	4.7E-05	c	---	4.7E-03	c	---	---	---	---	---	---	---	1.4E-01	c	2.3E-05	c	---	2.3E-03	c	---	---	---	---	---	---	---
Nitrosopiperidine, N-	100-75-4	1.1E+00	c	4.6E-04	c	---	4.6E-02	c	---	2.2E+00	c	5.9E+02	c	---	---	7.4E-01	c	2.3E-04	c	---	2.3E-02	c	---	1.2E+00	c	3.8E+01	c	---	---
Nitrosopyrrolidine, N-	930-55-2	4.7E+00	c	1.9E-03	c	---	1.9E-01	c	---	9.8E+00	c	3.1E+03	c	---	---	3.2E+00	c	9.5E-04	c	---	9.5E-02	c	---	5.0E+00	c	2.0E+02	c	---	---
Nitrotoluene, m-	99-08-1	1.0E+03	n	5.5E+00	n	---	5.5E+02	n	---	1.2E+03	n	7.0E+04	n	> S	---	5.7E+02	n	2.8E+00	n	---	2.8E+02	n	---	6.3E+02	n	4.5E+03	n	> S	---
Nitrotoluene, o-	88-72-2	1.1E+03	n	5.5E+00	n	---	5.5E+02	n	---	1.3E+03	n	8.2E+04	n	> S	---	6.2E+02	n	2.8E+00	n	---	2.8E+02	n	---	6.8E+02	n	5.3E+03	n	> S	---
Nitrotoluene, p-	99-99-0	1.0E+03	n	5.5E+00	n	---	5.5E+02	n	---	1.2E+03	n	6.9E+04	n	> S	---	5.7E+02	n	2.8E+00	n	---	2.8E+02	n	---	6.2E+02	n	4.4E+03	n	> S	---
Nonachlor, cis-	5103-73-1	5.3E+01	c	2.8E+01	c	---	2.8E+03	c	> S	2.1E+03	c	1.0E+06	c	> S	---	5.2E+01	c	1.4E+01	c	---	1.4E+03	c	> S	1.1E+03	c	4.0E+05	c	> S	---
Nonachlor, trans-	39765-80-5	5.3E+01	c	2.8E+01	c	---	2.8E+03	c	> S	2.1E+03	c	1.0E+06	c	> S	---	5.2E+01	c	1.4E+01	c	---	1.4E+03	c	> S	1.1E+03	c	4.0E+05	c	> S	---
Nonanal	124-19-6	1.4E+05	n	4.4E+02	n	---	4.4E+04	n	> S	---	---	---	---	---	---	1.4E+05	n	2.2E+02	n	---	2.2E+04	n	> S	---	---	---	---	---	---
	25154-52-3/ 84852-15-3/																												
Nonylphenol	104-40-5	3.4E+04	n	4.4E+05	n	> S	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---	3.3E+04	n	2.2E+05	n	> S	1.0E+06	n	> S	1.0E+06	n	1.0E+06	n	> S	---
Octamethylpyrophosphoramide	152-16-9	1.4E+03	n	2.8E-01	n	---	2.8E+01	n	---	---	---	---	---	---	---	1.4E+03	n	1.4E-01	n	---	1.4E+01	n	---	---	---	---	---	---	---
Octanone	106-68-3	5.8E+04	n	3.3E+01	n	---	3.3E+03	n	---	1.0E+06	n	1.0E+06	n	> S	---	5.6E+04	n	1.6E+01	n	---	1.6E+03	n	---	6.5E+05	n	1.0E+06	n	> S	---
Oxamyl	23135-22-0	1.7E+04	n	4.2E-01	m	---	4.2E+01	m	---	---	---	---	---	---	---	1.7E+04	n	2.1E-01	m	---	2.1E+01	m	---	---	---	---	---	---	---
Oxychlordane	27304-13-8	5.3E+01	c	2.8E+01	c	---	2.8E+03	c	> S	2.1E+03	c	1.0E+06	c	> S	---	5.2E+01	c	1.4E+01	c	---	1.4E+03	c	> S	1.1E+03	c	4.0E+05	c	> S	---
Paraquat	1910-42-5	3.1E+03	n	6.3E-01	n	---	6.3E+01	n	---	---	---	---	---	---	---	3.1E+03	n	3.1E-01	n	---	3.1E+01	n	---	---	---	---	---	---	---
Parathion (ethyl parathion)	56-38-2	2.3E+02	n	9.9E+01	n	---	9.9E+03	n	> S	2.5E+02	n	4.8E+05	n	> S	---	1.2E+02	n	4.9E+01	n	---	4.9E+03	n	> S	1.3E+02	n	3.1E+04	n	> S	---
Pebulate	1114-71-2	3.4E+04	n	7.0E+01	n	---	7.0E+03	n	> S	---	---	---	---	---	---	3.4E+04	n	3.5E+01	n	---	3.5E+03	n	> S	---	---	---	---	---	---
Pendimethalin	40487-42-1	2.7E+04	n	2.2E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	2.7E+04	n	1.1E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
Pentachlorobenzene	608-93-5	5.4E+02	n	7.4E+01	n	---	7.4E+03	n	> S	4.2E+04	n	1.0E+06	n	> S	---	5.3E+02	n	3.7E+01	n	---	3.7E+03	n	> S	2.2E+04	n	8.9E+05	n	> S	---
Pentachloroethane	76-01-7	1.4E+02	c	7.5E-01	c	---	7.5E+01	c	---	1.6E+02	c	4.8E+03	c	---	---	7.6E+01	c	3.8E-01	c	---	3.8E+01	c	---	8.1E+01	c	3.1E+02	c	---	---
Pentachloronitrobenzene	82-68-8	7.3E+01	c	4.1E+00	c	---	4.1E+02	c	> S	3.1E+02	n	9.0E+04	n	> S	---	7.3E+01	c	2.1E+00	c	---	2.1E+02	c	> S	1.6E+02	n	5.8E+03	n	> S	---
Pentachlorophenol	87-86-5	1.1E+02	c	1.8E-02	m	---	1.8E+00	m	---	6.3E+02	n	3.4E+05	n	> S	---	1.1E+02	c	9.2E-03	m	---	9.2E-01	m	---	3.3E+02	n	2.2E+04	n	> S	---
Pentadiene, 1,3-trans-	2004-70-8	5.3E+04	n	3.9E+01	n	---	3.9E+03	n	---	3.9E+05	n	9.3E+05	n	> S	---	4.7E+04	n	1.9E+01	n	---	1.9E+03	n	---	2.0E+05	n	6.0E+04	n	> S	---
Pentaerythritol tetranitrate (PETN)	78-11-5	2.7E+05	n	7.4E+03	n	> S	7.4E+05	n	> S	---	---	---	---	---	---	2.7E+05	n	3.7E+03	n	> S	3.7E+05	n	> S	---	---	---	---	---	---
Pentane	109-66-0	7.4E+03	n	1.2E+04	n	> S	1.0E+06	n	> S	7.5E+03	n	1.6E+03	n	< GW Ing	---	3.8E+03	n	6.0E+03	n	> S	6.0E+05	n	> S	3.9E+03	n	1.1E+02	n	< GW Ing	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area														30 acre source area													
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\,3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\,3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\text{-}V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\text{-}V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Pentanediol, 1,5-	111-29-5	1.0E+06	n	7.2E+02	n	---	7.2E+04	n	---	1.0E+06	n	1.0E+06	n	>S	---	1.0E+06	n	3.6E+02	n	---	3.6E+04	n	---	1.0E+06	n	1.0E+06	n	>S	---
Pentanone, 2-	107-87-9	1.2E+04	n	6.6E+00	n	---	6.6E+02	n	---	1.7E+04	n	7.1E+05	n	>S	---	7.3E+03	n	3.3E+00	n	---	3.3E+02	n	---	8.9E+03	n	4.6E+04	n	>S	---
Pentyne, 1-	627-19-0	5.3E+04	n	3.8E+01	n	---	3.8E+03	n	---	3.9E+05	n	8.7E+05	n	>S	---	4.7E+04	n	1.9E+01	n	---	1.9E+03	n	---	2.0E+05	n	5.6E+04	n	>S	---
Perchlorate	14797-73-0	8.2E+01	n	6.0E-02	n	---	6.0E+00	n	---	---	---	---	---	---	---	8.2E+01	n	3.0E-02	n	---	3.0E+00	n	---	---	---	---	---	---	---
Perylene	198-55-0	1.4E+04	n	2.3E+05	n	>S	1.0E+06	n	>S	---	---	---	---	---	---	1.4E+04	n	1.1E+05	n	>S	1.0E+06	n	>S	---	---	---	---	---	---
Phenacetin	62-44-2	5.9E+03	c	2.8E+00	c	---	2.8E+02	c	---	1.8E+04	c	1.0E+06	c	>S	---	4.5E+03	c	1.4E+00	c	---	1.4E+02	c	---	9.4E+03	c	3.8E+05	c	>S	---
Phenanthrene	85-01-8	1.9E+04	n	1.2E+03	n	>S	1.2E+05	n	>S	---	---	---	---	---	---	1.9E+04	n	6.2E+02	n	>S	6.2E+04	n	>S	---	---	---	---	---	---
Phenanthridine	229-87-8	2.0E+03	n	1.6E+01	n	---	1.6E+03	n	---	---	---	---	---	---	---	2.0E+03	n	7.9E+00	n	---	7.9E+02	n	---	---	---	---	---	---	---
Phenol	108-95-2	4.6E+03	n	5.7E+01	n	---	5.7E+03	n	---	4.7E+03	n	1.0E+06	n	>S	---	2.4E+03	n	2.9E+01	n	---	2.9E+03	n	---	2.4E+03	n	6.5E+04	n	>S	---
Phenylene diamine, m-	108-45-2	1.9E+01	n	8.6E-01	n	---	8.6E+01	n	---	2.0E+01	n	5.6E+03	n	---	---	1.0E+01	n	4.3E-01	n	---	4.3E+01	n	---	1.0E+01	n	3.6E+02	n	---	---
Phenylene diamine, p-	106-50-3	2.1E+01	n	2.7E+01	n	---	2.7E+03	n	---	2.1E+01	n	6.3E+03	n	---	---	1.1E+01	n	1.4E+01	n	---	1.4E+03	n	---	1.1E+01	n	4.1E+02	n	---	---
Phenyl mercuric acetate	62-38-4	5.5E+01	n	4.9E-02	n	---	4.9E+00	n	---	---	---	---	---	---	---	5.5E+01	n	2.4E-02	n	---	2.4E+00	n	---	---	---	---	---	---	---
Phorate	298-02-2	4.2E+01	n	3.2E+00	n	---	3.2E+02	n	---	6.1E+01	n	3.0E+04	n	>S	---	2.6E+01	n	1.6E+00	n	---	1.6E+02	n	---	3.2E+01	n	2.0E+03	n	>S	---
Phosalone	2310-17-0	1.4E+03	n	7.0E+00	n	---	7.0E+02	n	---	---	---	---	---	---	---	1.4E+03	n	3.5E+00	n	---	3.5E+02	n	---	---	---	---	---	---	---
Phosdrin (mevinphos)	7786-34-7	1.7E+01	n	3.5E-03	n	---	3.5E-01	n	---	---	---	---	---	---	---	1.7E+01	n	1.8E-03	n	---	1.8E-01	n	---	---	---	---	---	---	---
Phosmet	732-11-6	1.7E+03	n	1.2E+01	n	---	1.2E+03	n	---	1.9E+03	n	8.9E+05	n	>S	---	9.3E+02	n	6.1E+00	n	---	6.1E+02	n	---	1.0E+03	n	5.8E+04	n	>S	---
Phosphine	7803-51-2	6.3E+00	n	---	---	---	---	---	---	6.4E+00	n	---	---	---	---	3.3E+00	n	---	---	---	---	---	---	3.3E+00	n	---	---	---	---
Phosphorus, total*	7723-14-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	7723-14-0	1.9E+00	n	6.9E-02	n	---	6.9E+00	n	---	2.1E+00	n	---	---	---	---	1.0E+00	n	3.4E-02	n	---	3.4E+00	n	---	1.1E+00	n	---	---	---	---
Phthalic anhydride	85-44-9	6.6E+04	n	7.4E+02	n	---	7.4E+04	n	>S	7.0E+04	n	1.0E+06	n	>S	---	3.5E+04	n	3.7E+02	n	---	3.7E+04	n	>S	3.6E+04	n	1.0E+06	n	>S	---
Picloram	1918-02-1	4.8E+04	n	9.8E-01	m	---	9.8E+01	m	---	---	---	---	---	---	---	4.8E+04	n	4.9E-01	m	---	4.9E+01	m	---	---	---	---	---	---	---
Picoline, 2- (2-methylpyridine)	109-06-8	2.4E+01	n	1.7E+00	n	---	1.7E+02	n	---	2.4E+01	n	1.7E+03	n	---	---	1.2E+01	n	8.4E-01	n	---	8.4E+01	n	---	1.2E+01	n	1.1E+02	n	---	---
Polybrominated biphenyls (PBBs)	67774-32-7	2.1E+00	c	2.0E-02	c	---	2.0E+00	c	>S	---	---	---	---	---	---	2.1E+00	c	1.0E-02	c	---	1.0E+00	c	>S	---	---	---	---	---	---
Polychlorinated biphenyls (PCBs)	1336-36-3	7.7E+00	c	1.1E+01	m	---	1.1E+03	m	---	9.1E+01	c	1.0E+05	c	>S	---	7.1E+00	c	5.3E+00	m	---	5.3E+02	m	---	4.7E+01	c	6.8E+03	c	>S	---
Potassium*	7440-09-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Primene	68955-53-3	1.6E+03	n	1.6E+02	n	---	1.6E+04	n	---	2.6E+03	n	4.4E+05	n	>S	---	1.0E+03	n	8.1E+01	n	---	8.1E+03	n	---	1.3E+03	n	2.8E+04	n	>S	---
Prometon (pramitol)	1610-18-0	1.0E+04	n	2.9E+01	n	---	2.9E+03	n	>S	---	---	---	---	---	---	1.0E+04	n	1.4E+01	n	---	1.4E+03	n	>S	---	---	---	---	---	---
Pronamide	23950-58-5	5.1E+04	n	5.4E+01	n	---	5.4E+03	n	>S	---	---	---	---	---	---	5.1E+04	n	2.7E+01	n	---	2.7E+03	n	>S	---	---	---	---	---	---
Propanal (propionaldehyde)	123-38-6	2.6E+03	n	1.2E+00	n	---	1.2E+02	n	---	3.9E+03	n	1.0E+05	n	---	---	1.6E+03	n	5.9E-01	n	---	5.9E+01	n	---	2.0E+03	n	6.7E+03	n	---	---
Propanil	709-98-8	3.4E+03	n	1.4E+01	n	---	1.4E+03	n	---	---	---	---	---	---	---	3.4E+03	n	6.9E+00	n	---	6.9E+02	n	---	---	---	---	---	---	---
Propanoic acid (propionic acid)	79-09-4	1.6E+02	n	7.0E+01	n	---	7.0E+03	n	---	1.6E+02	n	4.0E+04	n	---	---	8.2E+01	n	3.5E+01	n	---	3.5E+03	n	---	8.2E+01	n	2.6E+03	n	---	---
Propanol, 1-	71-23-8	2.7E+04	n	3.0E+01	n	---	3.0E+03	n	---	3.1E+04	n	1.0E+06	n	>S	---	1.5E+04	n	1.5E+01	n	---	1.5E+03	n	---	1.6E+04	n	1.6E+05	n	>S	---
Propargite	2312-35-8	1.4E+04	n	3.3E+02	n	>S	3.3E+04	n	>S	---	---	---	---	---	---	1.4E+04	n	1.6E+02	n	>S	1.6E+04	n	>S	---	---	---	---	---	---
Propargyl alcohol	107-19-7	3.4E+02	n	3.1E-01	n	---	3.1E+01	n	---	4.1E+02	n	8.9E+04	n	---	---	1.9E+02	n	1.6E-01	n	---	1.6E+01	n	---	2.1E+02	n	5.7E+03	n	---	---
Propazine	139-40-2	4.3E+02	c	2.1E+00	c	---	2.1E+02	c	---	---	---	---	---	---	---	4.3E+02	c	1.1E+00	c	---	1.1E+02	c	---	---	---	---	---	---	---
Propham	122-42-9	1.4E+04	n	5.8E+00	n	---	5.8E+02	n	---	---	---	---	---	---	---	1.4E+04	n	2.9E+00	n	---	2.9E+02	n	---	---	---	---	---	---	---
Propionitrile (propane nitrile)	107-12-0	2.0E+02	n	5.8E-02	n	---	5.8E+00	n	---	3.8E+02	n	2.1E+04	n	---	---	1.3E+02	n	2.9E-02	n	---	2.9E+00	n	---	2.0E+02	n	1.4E+03	n	---	---
Propyl acetate, n-	109-60-4	9.2E+04	n	1.6E+01	n	---	1.6E+03	n	---	---	---	---	---	---	---	9.2E+04	n	7.9E+00	n	---	7.9E+02	n	---	---	---	---	---	---	---
Propylbenzene, n-	103-65-1	7.3E+03	n	1.3E+02	n	---	1.3E+04	n	>S	8.9E+03	n	3.9E+05	n	>S	---	4.1E+03	n	6.7E+01	n	---	6.7E+03	n	>S	4.6E+03	n	2.5E+04	n	>S	---
Propylene glycol	57-55-6	2.7E+04	n	2.8E+03	n	---	2.8E+05	n	>S	2.7E+04	n	1.0E+06	n	>S	---	1.4E+04	n	1.4E+03	n	---	1.4E+05	n	>S	1.4E+04	n	4.5E+05	n	>S	---
Propylene glycol monomethyl ether	107-98-2	2.2E+05	n	9.9E+01	n	---	9.9E+03	n	---	3.2E+05	n	1.0E+06	n	>S	---	1.3E+05	n	5.0E+01	n	---	5.0E+03	n	---	1.7E+05	n	1.0E+06	n	>S	---
Propylene oxide	75-56-9	6.9E+01	c	1.7E-02	c	---	1.7E+00	c	---	1.6E+02	c	5.3E+03	c	---	---	4.9E+01	c	8.4E-03	c	---	8.4E-01	c	---	8.4E+01	c	3.4E+02	c	---	---
Propylene tetramer	6842-15-5	1.6E+04	n	7.6E+04	n	>S	1.0E+06	n	>S	2.1E+04	n	6.4E+05	n	>S	---	9.5E+03	n	3.8E+04	n	>S	1.0E+06	n	>S	1.1E+04	n	4.1E+04	n	>S	---
Pyrene	129-00-0	1.9E+04	n	3.3E+03	n	>S	3.3E+05	n	>S	---	---	---	---	---	---	1.9E+04	n	1.7E+03	n	>S	1.7E+05	n	>S	---	---	---	---	---	---
Pyridine	110-86-1	2.5E+02	n	2.1E-01	n	---	2.1E+01	n	---	3.2E+02	n	8.8E+02	n	>S	---	1.4E+02	n	1.0E-01	n	---	1.0E+01	n	---	1.7E+02	n	5.7E+01	n	>S	---
Quinoline	91-22-5	6.4E+00	c	1.7E-02	c	---	1.7E+00	c	---	4.2E+02	n	1.5E+05	n	---	---	6.4E+00	c	8.4E-03	c	---	8.4E-01	c	---	2.2E+02	n	9.6E+03	n	---	---
Ronnel	299-84-3	3.4E+04	n	1.2E+03	n	>S	1.2E+05	n	>S	---	---	---	---	---	---	3.4E+04	n	6.2E+02	n	>S	6.2E+04	n	>S	---	---	---	---	---	---
Safrole	94-59-7	4.9E+01	c	3.7E-01	c	---	3.7E+01	c	---	1.1E+02	c	1.3E+04	c	>S	---	3.5E+01	c	1.8E-01	c	---	1.8E+01	c	---	5.8E+01	c	8.1E+02	c	>S	---
Selenium	7782-49-2	4.8E+03	n	2.3E+00	m	---	2.3E+02	m	---	---	---	---	---	---	---	4.7E+03	n	1.1E+00	m	---	1.1E+02	m	---	---	---	---	---	---	---
Selenourea	630-10-4	5.1E+03	n	---	---	---	---	---	---	---	---	---	---	---	---	5.1E+03	n	---	---	---	---	---	---	---	---	---	---	---	---
Silver	7440-22-4	1.9E+03	n	1.4E+00	n	---	1.4E+02	n	---	---	---	---	---	---	3.9E-01	1.7E+03	n	7.1E-01	n	---	7.1E+01	n	---	---	---	---	---	---	2.0E-01
Simazine	122-34-9	1.6E+02	c	5.5E-02	m	---	5.5E+00	m	---	---	---	---	---	---	---	1.6E+02	c	2.8E-02	m	---	2.8E+00	m	---	---	---	---	---	---	---
Sodium*	7440-23-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	148-18-5	1.1E+02	c	---	---	---	---	---	---	---	---	---	---	---	---	1.1E+02	c	---	---	---	---	---	---	---	---	---	---	---	---
Sodium polyacrylate	9003-04-7	1.7E+02	n	7.2E+01	n	---	7.2E+03	n	---	1.7E+02	n	4.1E+04	n	---	---	8.7E+01	n	3.6E+01	n	---	3.6E+03	n	---	8.7E+01	n	2.7E+03	n	---	---
Strontium	7440-24-6	4.9E+05	n	1.8E+03	n	---	1.8E+05	n	---	---	---	---	---	---	---	4.9E+05	n	9.2E+02	n	---	9.2E+04	n	---	---	---	---	---	---	---
Strychnine	57-24-9	2.0E+02	n	1.1E-01	n	---	1.1E+01	n	---	---	---	---	---	---	---	2.0E+02	n	5.6E-02	n	---	5.6E+00	n	---	---	---	---	---	---	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area														30 acre source area													
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]		$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]		$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]		$^{GW}Soil$ for Secondary MCL (mg/kg)
Styrene	100-42-5	2.9E+04	n	3.3E+00	m	---	3.3E+02	m	---	3.4E+04	n	1.0E+06	n	> S	---	1.6E+04	n	1.6E+00	m	---	1.6E+02	m	---	1.7E+04	n	9.5E+04	n	> S	---
Sulfate*	14808-79-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	18496-25-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	126-33-0	1.4E+01	n	2.8E-03	n	---	2.8E-01	n	---	---	---	---	---	---	---	1.4E+01	n	1.4E-03	n	---	1.4E-01	n	---	---	---	---	---	---	---
Sulfur*	7704-34-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	1746-01-6	5.0E-03	---	1.7E-02	m	---	1.7E+00	m	---	---	---	---	---	---	---	5.0E-03	---	8.5E-03	m	---	8.5E-01	m	---	---	---	---	---	---	---
Tebuconazole	107534-96-3	2.0E+04	n	9.4E+01	n	---	9.4E+03	n	> S	---	---	---	---	---	---	2.0E+04	n	4.7E+01	n	---	4.7E+03	n	> S	---	---	---	---	---	---
Tebuthiuron	34014-18-1	4.8E+04	n	1.6E+01	n	---	1.6E+03	n	---	---	---	---	---	---	---	4.8E+04	n	8.1E+00	n	---	8.1E+02	n	---	---	---	---	---	---	---
Terbufos	13071-79-9	1.7E+01	n	1.0E+00	n	---	1.0E+02	n	---	---	---	---	---	---	---	1.7E+01	n	5.0E-01	n	---	5.0E+01	n	---	---	---	---	---	---	---
Tert-amyl-methyl ether (TAME)	994-05-8	4.1E+04	n	1.1E+01	n	---	1.1E+03	n	---	---	---	---	---	---	---	4.1E+04	n	5.7E+00	n	---	5.7E+02	n	---	---	---	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	7.5E+03	n	1.4E+01	n	---	1.4E+03	n	---	8.2E+03	n	3.1E+05	n	---	---	4.0E+03	n	6.9E+00	n	---	6.9E+02	n	---	4.2E+03	n	2.0E+04	n	---	---
Tetrachlorobenzene, 1,2,3,4-	634-66-2	2.0E+02	n	3.6E+01	n	---	3.6E+03	n	---	1.8E+05	n	1.0E+06	n	> S	---	2.0E+02	n	1.8E+01	n	---	1.8E+03	n	---	9.5E+04	n	1.0E+06	n	> S	---
Tetrachlorobenzene, 1,2,3,5-	634-90-2	2.0E+02	n	5.6E+00	n	---	5.6E+02	n	---	8.2E+04	n	1.0E+06	n	> S	---	2.0E+02	n	2.8E+00	n	---	2.8E+02	n	---	4.2E+04	n	7.7E+05	n	> S	---
Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.0E+02	n	1.4E+00	n	---	1.4E+02	n	> S	4.7E+04	n	1.0E+06	n	> S	---	2.0E+02	n	7.2E-01	n	---	7.2E+01	n	> S	2.4E+04	n	2.3E+05	n	> S	---
Tetrachloroethane, 1,1,1,2-	630-20-6	1.3E+02	c	3.2E+00	c	---	3.2E+02	c	---	1.5E+02	c	7.5E+03	c	---	---	7.3E+01	c	1.6E+00	c	---	1.6E+02	c	---	7.8E+01	c	4.9E+02	c	---	---
Tetrachloroethane, 1,1,2,2-	79-34-5	1.4E+01	c	5.2E-02	c	---	5.2E+00	c	---	1.5E+01	c	3.7E+02	c	---	---	7.3E+00	c	2.6E-02	c	---	2.6E+00	c	---	7.7E+00	c	2.4E+01	c	---	---
Tetrachloroethylene (perchlorethylene)	127-18-4	3.6E+02	c	5.0E-02	m	---	5.0E+00	m	---	1.0E+03	c	5.5E+03	c	> S	---	2.7E+02	c	2.5E-02	m	---	2.5E+00	m	---	5.3E+02	c	3.6E+02	c	> S	---
Tetrachlorophenol, 2,3,4,5-	4901-51-3	6.4E+03	n	4.4E+01	n	---	4.4E+03	n	---	9.4E+03	n	1.0E+06	n	> S	---	3.9E+03	n	2.2E+01	n	---	2.2E+03	n	---	4.8E+03	n	3.4E+05	n	> S	---
Tetrachlorophenol, 2,3,4,6-	58-90-2	2.5E+03	n	1.3E+01	n	---	1.3E+03	n	> S	2.8E+03	n	5.9E+05	n	> S	---	1.4E+03	n	6.7E+00	n	---	6.7E+02	n	> S	1.5E+03	n	3.8E+04	n	> S	---
Tetrachlorophenol, 2,3,5,6-	935-95-5	2.5E+02	n	6.5E+00	n	> S	6.5E+02	n	> S	2.6E+02	n	8.4E+03	n	> S	---	1.3E+02	n	3.2E+00	n	> S	3.2E+02	n	> S	1.3E+02	n	5.4E+02	n	> S	---
Tetradifon	116-29-0	1.4E+04	n	2.6E+02	n	> S	2.6E+04	n	> S	---	---	---	---	---	---	1.4E+04	n	1.3E+02	n	> S	1.3E+04	n	> S	---	---	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	1.5E+02	n	1.2E+00	n	---	1.2E+02	n	---	2.7E+02	n	1.5E+05	n	> S	---	9.9E+01	n	5.8E-01	n	---	5.8E+01	n	---	1.4E+02	n	9.8E+03	n	> S	---
Tetraethyl lead	78-00-2	6.6E-02	n	1.5E-03	n	---	1.5E-01	n	---	2.8E+00	n	2.2E+02	n	> S	---	6.5E-02	n	7.5E-04	n	---	7.5E-02	n	---	1.4E+00	n	1.4E+01	n	> S	---
Tetrahydrofuran	109-99-9	2.9E+02	c	5.6E-01	c	---	5.6E+01	c	---	3.2E+02	c	7.8E+03	c	---	---	1.6E+02	c	2.8E-01	c	---	2.8E+01	c	---	1.6E+02	c	5.0E+02	c	---	---
Tetrahydropyran	142-68-7	3.1E+02	c	6.1E-01	c	---	6.1E+01	c	---	3.4E+02	c	1.0E+04	c	---	---	1.7E+02	c	3.0E-01	c	---	3.0E+01	c	---	1.7E+02	c	6.5E+02	c	---	---
Thallium and compounds (as thallium chloride)	7791-12-0	7.8E+01	n	1.7E+00	m	---	1.7E+02	m	---	---	---	---	---	---	---	7.8E+01	n	8.7E-01	m	---	8.7E+01	m	---	---	---	---	---	---	---
Thiofanox	39196-18-4	1.4E+02	n	9.4E-02	n	---	9.4E+00	n	---	4.5E+02	n	1.5E+05	n	> S	---	1.1E+02	n	4.7E-02	n	---	4.7E+00	n	---	2.3E+02	n	9.5E+03	n	> S	---
Thionazin	297-97-2	4.8E+01	n	3.3E-02	n	---	3.3E+00	n	---	---	---	---	---	---	---	4.8E+01	n	1.7E-02	n	---	1.7E+00	n	---	---	---	---	---	---	---
Thiophanate-methyl	23564-05-8	5.5E+04	n	1.3E+01	n	> S	1.3E+03	n	> S	---	---	---	---	---	---	5.5E+04	n	6.6E+00	n	> S	6.6E+02	n	> S	---	---	---	---	---	---
Thiram	137-26-8	1.2E+03	n	1.0E+01	n	---	1.0E+03	n	> S	1.8E+03	n	1.0E+06	n	> S	---	7.2E+02	n	5.2E+00	n	---	5.2E+02	n	> S	9.1E+02	n	8.3E+04	n	> S	---
Tin	7440-31-5	4.0E+05	n	1.1E+05	n	---	1.0E+06	n	---	---	---	---	---	---	---	4.0E+05	n	5.5E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---
Titanium	7440-32-6	1.0E+06	n	---	---	---	---	---	---	---	---	---	---	---	---	1.0E+06	n	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	108-88-3	8.2E+03	n	8.2E+00	m	---	8.2E+02	m	---	8.6E+03	n	7.1E+04	n	> S	---	4.3E+03	n	4.1E+00	m	---	4.1E+02	m	---	4.4E+03	n	4.6E+03	n	> S	---
Toluenediamine, 2,4-	95-80-7	6.0E+00	c	3.4E-02	c	---	3.4E+00	c	---	1.1E+04	n	1.0E+06	n	---	---	6.0E+00	c	1.7E-02	c	---	1.7E+00	c	---	5.6E+03	n	6.2E+05	n	---	---
Toluenediamine, 2,6-	823-40-5	1.4E+05	n	2.9E+01	n	---	2.9E+03	n	---	---	---	---	---	---	---	1.4E+05	n	1.4E+01	n	---	1.4E+03	n	---	---	---	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	26471-62-5	2.0E+02	n	---	---	---	---	---	---	2.0E+02	n	2.4E+05	n	---	---	1.0E+02	n	---	---	---	---	---	---	1.0E+02	n	1.5E+04	n	---	---
Toluidine, o-	95-53-4	5.9E+01	c	8.6E-02	c	---	8.6E+00	c	---	2.3E+02	c	4.5E+04	c	---	---	4.8E+01	c	4.3E-02	c	---	4.3E+00	c	---	1.2E+02	c	2.9E+03	c	---	---
Toluidine, p-	106-49-0	1.0E+02	c	3.1E-02	c	---	3.1E+00	c	---	---	---	---	---	---	---	1.0E+02	c	1.6E-02	c	---	1.6E+00	c	---	---	---	---	---	---	---
Toxaphene	8001-35-2	1.7E+01	c	1.2E+01	m	---	1.2E+03	m	---	1.6E+03	c	1.0E+06	c	> S	---	1.7E+01	c	5.8E+00	m	---	5.8E+02	m	---	8.3E+02	c	7.5E+05	c	> S	---
TP Silvex, 2,4,5-	93-72-1	4.7E+03	n	5.3E+00	m	---	5.3E+02	m	---	3.6E+04	n	1.0E+06	n	> S	---	4.2E+03	n	2.6E+00	m	---	2.6E+02	m	---	1.9E+04	n	1.0E+06	n	> S	---
Triademenol	55219-65-3	2.0E+04	n	2.5E+01	n	---	2.5E+03	n	> S	---	---	---	---	---	---	2.0E+04	n	1.2E+01	n	---	1.2E+03	n	> S	---	---	---	---	---	---
Triallate	2303-17-5	8.9E+03	n	5.6E+01	n	---	5.6E+03	n	> S	---	---	---	---	---	---	8.9E+03	n	2.8E+01	n	---	2.8E+03	n	> S	---	---	---	---	---	---
Triaminotrinitrobenzene (TATB)	3058-38-6	4.3E+02	n	1.4E-01	c	---	1.4E+01	c	---	5.4E+02	n	1.0E+06	n	> S	---	2.4E+02	n	7.2E-02	c	---	7.2E+00	c	---	2.8E+02	n	5.4E+05	n	> S	---
Tributyltin oxide	56-35-9	1.1E+00	n	---	---	---	---	---	---	1.1E+00	n	---	---	---	---	5.5E-01	n	---	---	---	---	---	---	5.5E-01	n	---	---	---	---
Trichlorobenzene, 1,2,3-	87-61-6	1.6E+03	n	7.9E+01	n	---	7.9E+03	n	> S	8.5E+03	n	1.0E+06	n	> S	---	1.4E+03	n	3.9E+01	n	---	3.9E+03	n	> S	4.4E+03	n	8.7E+04	n	> S	---
Trichlorobenzene, 1,2,4-	120-82-1	5.2E+03	n	4.8E+00	m	---	4.8E+02	m	---	2.1E+04	n	1.0E+06	n	> S	---	4.2E+03	n	2.4E+00	m	---	2.4E+02	m	---	1.1E+04	n	9.7E+04	n	> S	---
Trichlorobenzene, 1,3,5-	108-70-3	1.3E+03	n	2.2E+01	n	---	2.2E+03	n	> S	3.5E+03	n	2.9E+05	n	> S	---	9.6E+02	n	1.1E+01	n	---	1.1E+03	n	> S	1.8E+03	n	1.9E+04	n	> S	---
Trichloroethane, 1,1,1-	71-55-6	1.9E+04	n	1.6E+00	m	---	1.6E+02	m	---	2.1E+04	n	9.0E+04	n	> S	---	1.0E+04	n	8.1E-01	m	---	8.1E+01	m	---	1.1E+04	n	5.8E+03	n	> S	---
Trichloroethane, 1,1,2-	79-00-5	3.5E+01	c	2.0E-02	m	---	2.0E+00	m	---	3.8E+01	c	5.4E+02	c	---	---	1.9E+01	c	1.0E-02	m	---	1.0E+00	m	---	1.9E+01	c	3.5E+01	c	---	---
Trichloroethylene	79-01-6	3.1E+02	c	3.4E-02	m	---	3.4E+00	m	---	3.5E+02	c	1.8E+03	c	---	---	1.7E+02	c	1.7E-02	m	---	1.7E+00	m	---	1.8E+02	c	1.2E+02	c	---	---
Trichlorofluoromethane	75-69-4	5.0E+04	n	3.8E+02	n	---	3.8E+04	n	> S	6.0E+04	n	1.0E+05	n	> S	---	2.8E+04	n	1.9E+02	n	---	1.9E+04	n	> S	3.1E+04	n	6.4E+03	n	> S	---
Trichloronate	327-98-0	2.0E+03	n	3.7E+02	n	---	3.7E+04	n	> S	---	---	---	---	---	---	2.0E+03	n	1.8E+02	n	---	1.8E+04	n	> S	---	---	---	---	---	---
Trichlorophenol, 2,3,4-	15950-66-0	3.2E+04	n	1.8E+02	n	---	1.8E+04	n	---	6.2E+04	n	1.0E+06	n	> S	---	2.2E+04	n	8.9E+01	n	---	8.9E+03	n	---	3.2E+04	n	1.0E+06	n	> S	---
Trichlorophenol, 2,3,5-	933-78-8	2.6E+04	n	8.3E+01	n	---	8.3E+03	n	---	4.1E+04	n	1.0E+06	n	> S	---	1.6E+04	n	4.1E+01	n	---	4.1E+03	n	---	2.1E+04	n	1.0E+06	n	> S	---
Trichlorophenol, 2,3,6-	933-75-5	3.2E+03	n	8.6E+01	n	---	8.6E+03	n	> S	3.3E+03	n	1.4E+05	n	> S	---	1.7E+03	n	4.3E+01	n	---	4.3E+03	n	> S	1.7E+03	n	8.9E+03	n	> S	---
Trichlorophenol, 2,4,5-	95-95-4	2.1E+04	n	1.0E+02	n	---	1.0E+04	n	---	3.0E+04	n	1.0E+06	n	> S	---	1.2E+04	n	5.1E+01	n	---	5.1E+03	n	---	1.5E+04	n	5.7E+05	n	> S	---
Trichlorophenol, 2,4,6-	88-06-2	1.1E+03	c	1.3E+00	c	---	1.3E+02	c	---	3.3E+03	c	5.9E+05	c	> S	---	8.6E+02	c	6.6E-01	c	---	6.6E+01	c	---	1.7E+03	c	3.8E+04	c	> S	---

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

Chemical of Concern	CAS	0.5 acre source area														30 acre source area													
		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)		$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh-V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh-V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)
Trichlorophenol, 3,4,5-	609-19-8	4.7E+04	n	9.8E+02	n	---	9.8E+04	n	---	1.5E+05	n	1.0E+06	n	> S	---	3.7E+04	n	4.9E+02	n	---	4.9E+04	n	---	7.9E+04	n	1.0E+06	n	> S	---
Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	2.8E+03	n	2.9E+00	n	---	2.9E+02	n	---	4.9E+03	n	1.0E+06	n	> S	---	1.8E+03	n	1.5E+00	n	---	1.5E+02	n	---	2.5E+03	n	9.3E+04	n	> S	---
Trichloropropane, 1,1,2-	598-77-6	1.0E+03	n	4.3E+00	n	---	4.3E+02	n	---	1.3E+03	n	8.9E+03	n	> S	---	5.9E+02	n	2.2E+00	n	---	2.2E+02	n	---	6.6E+02	n	5.8E+02	n	> S	---
Trichloropropane, 1,2,3-	96-18-4	4.1E+00	c	5.1E-03	c	---	5.1E-01	c	---	3.9E+03	n	1.6E+05	n	> S	---	4.1E+00	c	2.6E-03	c	---	2.6E-01	c	---	2.0E+03	n	1.0E+04	n	> S	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	6.3E+05	n	2.4E+05	n	> S	1.0E+06	n	> S	6.4E+05	n	1.0E+06	n	> S	---	3.3E+05	n	1.2E+05	n	> S	1.0E+06	n	> S	3.3E+05	n	9.0E+04	n	> S	---
Triethanolamine	102-71-6	1.1E+03	n	2.8E+01	n	---	2.8E+03	n	---	1.1E+03	n	1.0E+06	n	---	---	5.5E+02	n	1.4E+01	n	---	1.4E+03	n	---	5.5E+02	n	1.0E+06	n	---	---
Triethylamine	121-44-8	1.5E+02	n	---	---	---	---	---	---	1.5E+02	n	2.2E+03	n	---	---	7.7E+01	n	---	---	---	---	---	---	7.7E+01	n	1.4E+02	n	---	---
Triethylene glycol	112-27-6	1.0E+06	n	4.2E+02	n	---	4.2E+04	n	---	---	---	---	---	---	---	1.0E+06	n	2.1E+02	n	---	2.1E+04	n	---	---	---	---	---	---	---
Triethylphosphorothioate, O, O, O-	126-68-1	5.7E+00	n	1.3E-02	n	---	1.3E+00	n	---	---	---	---	---	---	---	5.7E+00	n	6.5E-03	n	---	6.5E-01	n	---	---	---	---	---	---	---
Trifluralin	1582-09-8	2.5E+03	c	1.5E+02	c	---	1.5E+04	c	> S	2.3E+04	n	1.0E+06	n	> S	---	2.5E+03	c	7.3E+01	c	---	7.3E+03	c	> S	1.2E+04	n	1.0E+06	n	> S	---
Trimethylamine	75-50-3	2.1E+02	n	---	---	---	---	---	---	2.1E+02	n	6.1E+03	n	---	---	1.1E+02	n	---	---	---	---	---	---	1.1E+02	n	3.9E+02	n	---	---
Trimethylbenzene, 1,2,3-	526-73-8	1.7E+02	n	9.4E+01	n	---	9.4E+03	n	> S	1.7E+02	n	6.8E+03	n	> S	---	8.7E+01	n	4.7E+01	n	---	4.7E+03	n	> S	8.7E+01	n	4.4E+02	n	> S	---
Trimethylbenzene, 1,2,4-	95-63-6	1.9E+02	n	1.4E+02	n	---	1.4E+04	n	> S	1.9E+02	n	9.0E+03	n	> S	---	9.6E+01	n	7.2E+01	n	---	7.2E+03	n	> S	9.7E+01	n	5.9E+02	n	> S	---
Trimethylbenzene, 1,3,5-	108-67-8	1.6E+02	n	1.6E+02	n	---	1.6E+04	n	> S	1.6E+02	n	7.7E+03	n	> S	---	8.3E+01	n	7.9E+01	n	---	7.9E+03	n	> S	8.3E+01	n	5.0E+02	n	> S	---
Trinitrobenzene, 1,3,5-	99-35-4	2.0E+04	n	5.4E+00	n	---	5.4E+02	n	---	---	---	---	---	---	---	2.0E+04	n	2.7E+00	n	---	2.7E+02	n	---	---	---	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	479-45-8	1.0E+02	n	8.2E+00	n	---	8.2E+02	n	---	1.1E+02	n	7.0E+04	n	> S	---	5.4E+01	n	4.1E+00	n	---	4.1E+02	n	---	5.5E+01	n	1.3E+04	n	> S	---
Trinitrotoluene, 2,4,6-	118-96-7	7.8E+01	n	5.1E-01	n	---	5.1E+01	n	---	1.0E+02	n	4.4E+04	n	> S	---	4.5E+01	n	2.6E-01	n	---	2.6E+01	n	---	5.2E+01	n	2.8E+03	n	> S	---
Uranium (soluble salts)	7440-61-1	2.9E+03	n	1.8E+03	m	---	1.8E+05	m	---	---	---	---	---	---	---	2.9E+03	n	8.9E+02	m	---	8.9E+04	m	---	---	---	---	---	---	---
Valeric acid (pentanoic acid)	109-52-4	1.8E+02	n	7.0E+01	n	> S	7.0E+03	n	> S	1.8E+02	n	5.3E+04	n	> S	---	9.5E+01	n	3.5E+01	n	> S	3.5E+03	n	> S	9.5E+01	n	3.4E+03	n	> S	---
Vanadium	7440-62-2	2.4E+03	n	1.0E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---	2.3E+03	n	5.1E+03	n	---	5.1E+05	n	---	---	---	---	---	---	---
Vernam	1929-77-7	6.8E+02	n	8.2E+00	n	---	8.2E+02	n	---	---	---	---	---	---	---	6.8E+02	n	4.1E+00	n	---	4.1E+02	n	---	---	---	---	---	---	---
Vinyl acetate	108-05-4	4.3E+03	n	1.6E+02	n	---	1.6E+04	n	---	4.3E+03	n	4.3E+04	n	---	---	2.2E+03	n	8.0E+01	n	---	8.0E+03	n	---	2.2E+03	n	2.8E+03	n	---	---
Vinyl chloride	75-01-4	1.5E+01	c	2.2E-02	m	---	2.2E+00	m	---	6.8E+01	c	6.8E+01	c	---	---	1.2E+01	c	1.1E-02	m	---	1.1E+00	m	---	3.5E+01	c	4.4E+00	c	---	---
Vinylcyclohexane	695-12-5	2.1E+02	n	4.2E+03	n	> S	4.2E+05	n	> S	2.1E+02	n	3.6E+03	n	< GW Ing	---	1.1E+02	n	2.1E+03	n	> S	2.1E+05	n	> S	1.1E+02	n	2.3E+02	n	< GW Ing	---
Warfarin	81-81-2	1.1E+02	n	8.4E-01	n	---	8.4E+01	n	---	2.5E+02	n	2.5E+05	n	> S	---	7.8E+01	n	4.2E-01	n	---	4.2E+01	n	---	1.3E+02	n	1.6E+04	n	> S	---
Xylene, m-	108-38-3	9.3E+03	n	1.1E+02	m	---	1.1E+04	m	> S	9.3E+03	n	1.1E+05	n	> S	---	4.8E+03	n	5.3E+01	m	---	5.3E+03	m	> S	4.8E+03	n	7.2E+03	n	> S	---
Xylene, o-	95-47-6	6.6E+04	n	7.1E+01	m	---	7.1E+03	m	> S	6.8E+04	n	1.0E+06	n	> S	---	3.4E+04	n	3.5E+01	m	---	3.5E+03	m	> S	3.5E+04	n	3.5E+05	n	> S	---
Xylene, p-	106-42-3	9.3E+03	n	1.5E+02	m	---	1.5E+04	m	> S	9.3E+03	n	1.4E+05	n	> S	---	4.8E+03	n	7.5E+01	m	---	7.5E+03	m	> S	4.8E+03	n	9.1E+03	n	> S	---
Xylenes	1330-20-7	2.1E+03	n	1.2E+02	m	---	1.2E+04	m	> S	2.1E+03	n	2.9E+04	n	> S	---	1.1E+03	n	6.1E+01	m	---	6.1E+03	m	> S	1.1E+03	n	1.9E+03	n	> S	---
Zinc	7440-66-6	2.5E+05	n	7.0E+03	n	---	7.0E+05	n	---	---	---	---	---	---	1.6E+03	2.5E+05	n	3.5E+03	n	---	3.5E+05	n	---	---	---	---	---	---	8.0E+02
6 C aliphatics (TPH)	NA	4.0E+03	n	5.1E+02	n	---	5.1E+04	n	> S	4.3E+03	n	5.2E+03	n	> S	---	2.1E+03	n	2.6E+02	n	---	2.6E+04	n	> S	2.2E+03	n	3.4E+02	n	> S	---
>6-8 C aliphatics (TPH)	NA	4.0E+03	n	1.3E+03	n	---	1.3E+05	n	> S	4.3E+03	n	8.5E+03	n	> S	---	2.1E+03	n	6.3E+02	n	---	6.3E+04	n	> S	2.2E+03	n	5.5E+02	n	> S	---
>8-10 C aliphatics (TPH)	NA	1.8E+04	n	1.1E+04	n	> S	1.0E+06	n	> S	2.1E+04	n	1.4E+05	n	> S	---	1.0E+04	n	5.4E+03	n	> S	5.4E+05	n	> S	1.1E+04	n	8.8E+03	n	> S	---
>10-12 C aliphatics (TPH)	NA	1.6E+04	n	7.6E+04	n	> S	1.0E+06	n	> S	2.1E+04	n	6.4E+05	n	> S	---	9.5E+03	n	3.8E+04	n	> S	1.0E+06	n	> S	1.1E+04	n	4.1E+04	n	> S	---
>12-16 C aliphatics (TPH)	NA	2.3E+04	n	1.0E+06	n	> S	1.0E+06	n	> S	3.4E+04	n	1.0E+06	n	> S	---	1.4E+04	n	7.4E+05	n	> S	1.0E+06	n	> S	1.7E+04	n	1.9E+05	n	> S	---
>16-21 C aliphatics (TPH)	NA	1.0E+06	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	1.0E+06	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	NA	1.0E+06	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	1.0E+06	n	1.0E+06	n	> S	1.0E+06	n	> S	---	---	---	---	---	---
>7-8 C aromatics (TPH)	NA	1.8E+04	n	6.0E+01	n	---	6.0E+03	n	> S	2.1E+04	n	1.8E+05	n	> S	---	1.0E+04	n	3.0E+01	n	---	3.0E+03	n	> S	1.1E+04	n	1.2E+04	n	> S	---
>8-10 C aromatics (TPH)	NA	3.9E+03	n	1.9E+02	n	---	1.9E+04	n	> S	4.3E+03	n	1.6E+05	n	> S	---	2.1E+03	n	9.7E+01	n	---	9.7E+03	n	> S	2.2E+03	n	1.1E+04	n	> S	---
>10-12 C aromatics (TPH)	NA	6.9E+03	n	3.0E+02	n	---	3.0E+04	n	> S	9.2E+03	n	6.1E+05	n	> S	---	4.0E+03	n	1.5E+02	n	---	1.5E+04	n	> S	4.8E+03	n	4.0E+04	n	> S	---
>12-16 C aromatics (TPH)	NA	1.2E+04	n	5.9E+02	n	---	5.9E+04	n	> S	2.1E+04	n	1.0E+06	n	> S	---	7.8E+03	n	3.0E+02	n	---	3.0E+04	n	> S	1.1E+04	n	1.4E+05	n	> S	---
>16-21 C aromatics (TPH)	NA	1.9E+04	n	1.4E+03	n	> S	1.4E+05	n	> S	---	---	---	---	---	---	1.9E+04	n	7.0E+02	n	> S	7.0E+04	n	> S	---	---	---	---	---	---
>21-35 C aromatics (TPH)	NA	1.9E+04	n	1.1E+04	n	> S	1.0E+06	n	> S	---	---	---	---	---	---	1.9E+04	n	5.5E+03	n	> S	5.5E+05	n	> S	---	---	---	---	---	---
Transformer mineral oil	NA	8.0E+04	n	7.5E+05	n	---	1.0E+06	n	---	1.2E+05	n	1.0E+06	n	---	---	5.2E+04	n	3.7E+05	n	---	1.0E+06	n	---	6.1E+04	n	8.6E+05	n	---	---

Footnotes

[1]In accordance with §350.72(b), when establishing Tier 1 PCLs for individual COCs for each of the individual and combined human health exposure pathways, the person must evaluate whether the PCLs need to be adjusted to lower concentrations to meet the cumulative carcinogenic risk level and hazard index criteria specified in §350.72(c). For COCs which exhibit both carcinogenic and noncarcinogenic characteristics, they shall be evaluated as both a carcinogen and noncarcinogen when determining whether the PCL established for an individual COC for each of the individual and combined human health exposure pathways needs to be adjusted to a lower concentration to meet the cumulative risk and hazard criteria. The person shall then use the lower of the carcinogenic or noncarcinogenic PCL as the Tier 1 human health PCL. In other words, the Tier 1 PCLs provided in this table for an individual COC should not be used as the final Tier 1 human health PCL for any of the individual or combined exposure pathways in cases where there are more than 10 carcinogenic and/or more than 10 noncarcinogenic COCs within a source medium unless it can be demonstrated that further downward adjustment is not necessary to meet the cumulative risk and hazard criteria.

[2]Combined includes inhalation, ingestion, dermal pathways

[3]c = carcinogenic; n = noncarcinogenic; m = primary MCL-based; a = EPA Action Level-based; > S = solubility limit exceeded during calculation; < GW Ing = less than $^{GW}GW_{Ing}$ value

[4]For subsurface soils only

[5]Please contact the TNRCC for assistance in determining a site-specific approach for $^{GW}Soil_{Ing}$ values for these compounds.

Table 2
Tier 1 Commercial/Industrial Soil PCLs[1]

		0.5 acre source area						30 acre source area					
Chemical of Concern	CAS	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)	$^{Tot}Soil_{Comb}$[2] (mg/kg)	note[3]	$^{GW}Soil_{Ing}$ (mg/kg)	note[3]	$^{GW}Soil_{Class\ 3}$ (mg/kg)	note[3]	$^{Air}Soil_{Inh\ V}$[4] (mg/kg)	note[3]	$^{Air}GW\text{-}Soil_{Inh\ V}$ (mg/kg)	note[3]	$^{GW}Soil$ for Secondary MCL (mg/kg)

[6]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

[7]Persons must use the value provided in the "$^{GW}Soil$ for Secondary MCL" column of this table as the $^{GW}Soil$ PCL for MTBE if the conditions described in §350.74(f)(3) exist.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

All values capped at 1E+06.

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Acenaphthene	83-32-9	1.5E+00	n	---	1.5E+02	n	> S	---	---	---	---	---	---	4.4E+00	n	> S	4.4E+02	n	> S	---	---	---	---	---	---	---
Acenaphthylene	208-96-8	1.5E+00	n	---	1.5E+02	n	> S	---	---	---	---	---	---	4.4E+00	n	> S	4.4E+02	n	> S	---	---	---	---	---	---	---
Acetaldehyde	75-07-0	2.4E+00	n	---	2.4E+02	n	---	2.4E+03	n	---	3.1E+02	n	---	7.3E+00	n	---	7.3E+02	n	---	3.3E+03	n	---	4.3E+02	n	---	---
Acetic acid*	64-19-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	67-64-1	2.2E+01	n	---	2.2E+03	n	---	2.5E+05	n	---	3.3E+04	n	---	6.6E+01	n	---	6.6E+03	n	---	3.5E+05	n	---	4.6E+04	n	---	---
Acetone cyanohydrin	75-86-5	2.0E-02	n	---	2.0E+00	n	---	2.3E+04	n	---	2.9E+03	n	---	5.8E-02	n	---	5.8E+00	n	---	3.2E+04	n	---	4.1E+03	n	---	---
Acetonitrile	75-05-8	---	---	---	---	---	---	3.2E+04	n	---	4.2E+03	n	---	---	---	---	---	---	---	4.5E+04	n	---	5.8E+03	n	---	---
Acetophenone	98-86-2	2.4E+00	n	---	2.4E+02	n	---	1.4E+05	n	> S	1.8E+04	n	> S	7.3E+00	n	---	7.3E+02	n	---	1.9E+05	n	> S	2.5E+04	n	> S	---
Acetylaminofluorene, 2-	53-96-3	2.4E-04	c	---	2.4E-02	c	---	6.3E+02	c	> S	1.0E+02	c	> S	5.4E-04	c	---	5.4E-02	c	---	1.1E+03	c	> S	1.8E+02	c	> S	---
Acifluorfen, sodium	62476-59-9	3.2E-01	n	---	3.2E+01	n	---	1.0E+06	n	> S	1.0E+06	n	> S	9.5E-01	n	---	9.5E+01	n	---	1.0E+06	n	> S	1.0E+06	n	> S	---
Acridine	260-94-6	7.3E-02	n	---	7.3E+00	n	---	---	---	---	---	---	---	2.2E-01	n	---	2.2E+01	n	---	---	---	---	---	---	---	---
Acrolein	107-02-8	1.2E-02	n	---	1.2E+00	n	---	7.0E+01	n	---	9.1E+00	n	---	3.7E-02	n	---	3.7E+00	n	---	9.8E+01	n	---	1.3E+01	n	---	---
Acrylamide	79-06-1	2.0E-04	c	---	2.0E-02	c	---	2.9E+02	c	---	3.9E+01	c	---	4.5E-04	c	---	4.5E-02	c	---	4.9E+02	c	---	6.5E+01	c	---	---
Acrylic acid (propenoic acid)	79-10-7	1.2E+01	n	---	1.2E+03	n	---	1.5E+04	n	---	2.0E+03	n	---	3.7E+01	n	---	3.7E+03	n	---	2.1E+04	n	---	2.7E+03	n	---	---
Acrylonitrile	107-13-1	1.7E-03	c	---	1.7E-01	c	---	5.8E+01	c	---	7.5E+00	c	---	3.8E-03	c	---	3.8E-01	c	---	9.7E+01	c	---	1.3E+01	c	---	---
Adipic acid (hexanedioic acid)	124-04-9	1.2E+02	n	---	1.2E+04	n	---	4.2E+05	n	> S	3.1E+05	n	> S	3.7E+02	n	---	3.7E+04	n	---	5.9E+05	n	> S	4.3E+05	n	> S	---
Alachlor	15972-60-8	2.0E-03	m	---	2.0E-01	m	---	---	---	---	---	---	---	2.0E-03	m	---	2.0E-01	m	---	---	---	---	---	---	---	---
Aldicarb	116-06-3	7.0E-03	m	---	7.0E-01	m	---	---	---	---	---	---	---	7.0E-03	m	---	7.0E-01	m	---	---	---	---	---	---	---	---
Aldicarb sulfone	1646-88-4	7.0E-03	m	---	7.0E-01	m	---	---	---	---	---	---	---	7.0E-03	m	---	7.0E-01	m	---	---	---	---	---	---	---	---
Aldrin	309-00-2	5.4E-05	c	---	5.4E-03	c	---	4.4E+00	c	> S	5.7E-01	c	> S	1.2E-04	c	---	1.2E-02	c	---	7.4E+00	c	> S	9.6E-01	c	> S	---
Allyl alcohol	107-18-6	1.2E-01	n	---	1.2E+01	n	---	1.4E+04	n	---	1.8E+03	n	---	3.7E-01	n	---	3.7E+01	n	---	2.0E+04	n	---	2.6E+03	n	---	---
Allyl chloride	107-05-1	2.4E-01	n	---	2.4E+01	n	---	9.1E+00	n	---	1.2E+00	n	---	7.3E-01	n	---	7.3E+01	n	---	1.3E+01	n	---	1.7E+00	n	---	---
Aluminum	7429-90-5	2.4E+01	n	---	2.4E+03	n	---	---	---	---	---	---	---	7.3E+01	n	---	7.3E+03	n	---	---	---	---	---	---	---	2.0E-01
Ametryn	834-12-8	2.2E-01	n	---	2.2E+01	n	---	---	---	---	---	---	---	6.6E-01	n	---	6.6E+01	n	---	---	---	---	---	---	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	1.5E-04	c	---	1.5E-02	c	---	---	---	---	---	---	---	3.4E-04	c	---	3.4E-02	c	---	---	---	---	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	19406-51-0	4.1E-03	n	---	4.1E-01	n	---	2.8E+03	n	> S	3.6E+02	n	> S	1.2E-02	n	---	1.2E+00	n	---	3.9E+03	n	> S	5.1E+02	n	> S	---
Amino-4,6-dinitrotoluene, 2-	35572-78-2	4.1E-03	n	---	4.1E-01	n	---	2.8E+03	n	> S	3.6E+02	n	> S	1.2E-02	n	---	1.2E+00	n	---	3.9E+03	n	> S	5.1E+02	n	> S	---
Aminopyridine, 4-	504-24-5	4.9E-04	n	---	4.9E-02	n	---	4.7E+03	n	---	6.1E+02	n	---	1.5E-03	n	---	1.5E-01	n	---	6.6E+03	n	---	8.5E+02	n	---	---
Ammonia	7664-41-7	---	---	---	---	---	---	2.7E+03	n	---	3.5E+02	n	---	---	---	---	---	---	---	3.8E+03	n	---	4.9E+02	n	---	1.5E+00
Ammonium polyphosphate*	68333-79-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	NA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	62-53-3	1.6E-01	c	---	1.6E+01	c	---	1.1E+04	n	---	1.4E+03	n	---	3.6E-01	c	---	3.6E+01	c	---	1.6E+04	n	---	2.0E+03	n	---	---
Anthracene	120-12-7	7.3E+00	n	> S	7.3E+02	n	> S	---	---	---	---	---	---	2.2E+01	n	> S	2.2E+03	n	> S	---	---	---	---	---	---	---
Anthraquinone, 9,10-	84-65-1	4.9E-01	n	> S	4.9E+01	n	> S	---	---	---	---	---	---	1.5E+00	n	> S	1.5E+02	n	> S	---	---	---	---	---	---	---
Antimony	7440-36-0	6.0E-03	m	---	6.0E-01	m	---	---	---	---	---	---	---	6.0E-03	m	---	6.0E-01	m	---	---	---	---	---	---	---	---
Aramite	140-57-8	3.7E-02	c	---	3.7E+00	c	---	---	---	---	---	---	---	8.2E-02	c	---	8.2E+00	c	---	---	---	---	---	---	---	---
Arsenic	7440-38-2	1.0E-02	m	---	1.0E+00	m	---	---	---	---	---	---	---	1.0E-02	m	---	1.0E+00	m	---	---	---	---	---	---	---	---
Arsine	7784-42-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Asbestos	1332-21-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	1912-24-9	3.0E-03	m	---	3.0E-01	m	---	1.8E+05	n	> S	2.4E+04	n	> S	3.0E-03	m	---	3.0E-01	m	---	2.6E+05	n	> S	3.3E+04	n	> S	---
Azinphos-methyl (guthion)	86-50-0	3.7E-02	n	---	3.7E+00	n	> S	---	---	---	---	---	---	1.1E-01	n	> S	1.1E+01	n	> S	---	---	---	---	---	---	---
Azobenzene	103-33-3	8.3E-03	c	---	8.3E-01	c	---	6.8E+02	c	> S	8.8E+01	c	> S	1.9E-02	c	---	1.9E+00	c	> S	1.1E+03	c	> S	1.5E+02	c	> S	---
Barium	7440-39-3	2.0E+00	m	---	2.0E+02	m	---	---	---	---	---	---	---	2.0E+00	m	---	2.0E+02	m	---	---	---	---	---	---	---	---
Bayleton	43121-43-3	7.3E-01	n	---	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	---	2.2E+02	n	> S	---	---	---	---	---	---	---
Benefin (benfluralin)	1861-40-1	7.3E+00	n	> S	7.3E+02	n	> S	---	---	---	---	---	---	2.2E+01	n	> S	2.2E+03	n	> S	---	---	---	---	---	---	---
Benomyl	17804-35-2	1.2E+00	n	---	1.2E+02	n	> S	---	---	---	---	---	---	3.7E+00	n	> S	3.7E+02	n	> S	---	---	---	---	---	---	---
Benz-a-anthracene	56-55-3	1.3E-03	c	---	1.3E-01	c	> S	2.0E+03	c	> S	2.6E+02	c	> S	2.8E-03	c	---	2.8E-01	c	> S	3.4E+03	c	> S	4.4E+02	c	> S	---
Benzaldehyde	100-52-7	2.4E+00	n	---	2.4E+02	n	---	5.2E+03	n	> S	6.7E+02	n	---	7.3E+00	n	---	7.3E+02	n	---	7.3E+03	n	> S	9.4E+02	n	---	---
Benzene	71-43-2	5.0E-03	m	---	5.0E-01	m	---	5.1E+01	c	---	6.6E+00	c	---	5.0E-03	m	---	5.0E-01	m	---	8.5E+01	c	---	1.1E+01	c	---	---
Benzenethiol	108-98-5	2.4E-04	n	---	2.4E-02	n	---	4.5E+01	n	---	5.8E+00	n	---	7.3E-04	n	---	7.3E-02	n	---	6.3E+01	n	---	8.2E+00	n	---	---
Benzidine	92-87-5	4.0E-06	c	---	4.0E-04	c	---	5.0E+00	c	---	8.4E-01	c	---	8.9E-06	c	---	8.9E-04	c	---	8.4E+00	c	---	1.4E+00	c	---	---
Benzo-a-pyrene	50-32-8	2.0E-04	m	---	2.0E-02	m	> S	3.9E+02	c	> S	5.0E+01	c	> S	2.0E-04	m	---	2.0E-02	m	> S	6.5E+02	c	> S	8.4E+01	c	> S	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Benzo-b-fluoranthene	205-99-2	1.3E-03	c	---	1.3E-01	c	> S	1.6E+03	c	> S	2.1E+02	c	> S	2.8E-03	c	> S	2.8E-01	c	> S	2.7E+03	c	> S	3.5E+02	c	> S	---
Benzo-e-pyrene	192-97-2	7.3E-01	n	> S	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	> S	2.2E+02	n	> S	---	---	---	---	---	---	---
Benzo-g,h,i-perylene	191-24-2	7.3E-01	n	> S	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	> S	2.2E+02	n	> S	---	---	---	---	---	---	---
Benzoic acid	65-85-0	9.8E+01	n	---	9.8E+03	n	> S	1.0E+05	n	> S	1.3E+04	n	> S	2.9E+02	n	---	2.9E+04	n	> S	1.5E+05	n	> S	1.9E+04	n	> S	---
Benzo-k-fluoranthene	207-08-9	1.3E-02	c	> S	1.3E+00	c	> S	9.7E+04	c	> S	1.3E+04	c	> S	2.8E-02	c	> S	2.8E+00	c	> S	1.6E+05	c	> S	2.1E+04	c	> S	---
Benzotrichloride	98-07-7	7.0E-05	c	---	7.0E-03	c	---	8.5E+01	n	---	1.1E+01	n	---	1.6E-04	c	---	1.6E-02	c	---	1.2E+02	n	---	1.5E+01	n	---	---
Benzyl alcohol	100-51-6	7.3E+00	n	---	7.3E+02	n	---	9.1E+05	n	> S	1.2E+05	n	> S	2.2E+01	n	---	2.2E+03	n	---	1.0E+06	n	> S	1.7E+05	n	> S	---
Benzyl chloride	100-44-7	5.4E-03	c	---	5.4E-01	c	---	5.0E+02	n	---	6.5E+01	n	---	1.2E-02	c	---	1.2E+00	c	---	7.0E+02	n	---	9.1E+01	n	---	---
Benzyl dichloride	98-87-3	5.4E-03	c	---	5.4E-01	c	---	4.0E+02	n	---	5.1E+01	n	---	1.2E-02	c	---	1.2E+00	c	---	5.6E+02	n	---	7.2E+01	n	---	---
Beryllium	7440-41-7	4.0E-03	m	---	4.0E-01	m	---	---	---	---	---	---	---	4.0E-03	m	---	4.0E-01	m	---	---	---	---	---	---	---	---
Biphenyl, 1,1-	92-52-4	1.2E+00	n	---	1.2E+02	n	> S	2.0E+02	n	> S	2.6E+01	n	> S	3.7E+00	n	---	3.7E+02	n	> S	2.8E+02	n	> S	3.7E+01	n	> S	---
Biquinoline, 2,2'-	119-91-5	7.3E-02	n	---	7.3E+00	n	> S	---	---	---	---	---	---	2.2E-01	n	---	2.2E+01	n	> S	---	---	---	---	---	---	---
Bis (2-chloroethoxy) methane	111-91-1	8.3E-04	c	---	8.3E-02	c	---	8.0E+01	c	---	1.0E+01	c	---	1.9E-03	c	---	1.9E-01	c	---	1.3E+02	c	---	1.7E+01	c	---	---
Bis (2-chloroethyl) ether	111-44-4	8.3E-04	c	---	8.3E-02	c	---	9.3E+01	c	---	1.2E+01	c	---	1.9E-03	c	---	1.9E-01	c	---	1.6E+02	c	---	2.0E+01	c	---	---
Bis (2-chloroisopropyl) ether	108-60-1	1.3E-02	c	---	1.3E+00	c	---	8.7E+02	c	---	1.1E+02	c	---	2.9E-02	c	---	2.9E+00	c	---	1.5E+03	c	---	1.9E+02	c	---	---
Bis (2-chloromethyl) ether	542-88-1	4.1E-06	c	---	4.1E-04	c	---	8.5E-02	c	---	1.1E-02	c	---	9.3E-06	c	---	9.3E-04	c	---	1.4E-01	c	---	1.9E-02	c	---	---
Bis (2-ethyl-hexyl) phthalate	117-81-7	6.0E-03	m	---	6.0E-01	m	> S	---	---	---	---	---	---	6.0E-03	m	---	6.0E-01	m	> S	---	---	---	---	---	---	---
Bismuth	7440-69-9	1.2E+01	n	---	1.2E+03	n	---	---	---	---	---	---	---	3.7E+01	n	---	3.7E+03	n	---	---	---	---	---	---	---	---
Bisphenol A	80-05-7	1.2E+00	n	---	1.2E+02	n	---	1.0E+06	n	> S	7.4E+05	n	> S	3.7E+00	n	---	3.7E+02	n	---	1.0E+06	n	> S	1.0E+06	n	> S	---
Boron	7440-42-8	2.2E+00	n	---	2.2E+02	n	---	---	---	---	---	---	---	6.6E+00	n	---	6.6E+02	n	---	---	---	---	---	---	---	---
Bromobenzene	108-86-1	4.9E-01	n	---	4.9E+01	n	---	3.8E+02	n	> S	4.9E+01	n	---	1.5E+00	n	---	1.5E+02	n	---	5.3E+02	n	> S	6.8E+01	n	---	---
Bromo-2-chloroethane, 1-	107-04-0	9.8E-01	n	---	9.8E+01	n	---	2.5E+03	n	---	3.3E+02	n	---	2.9E+00	n	---	2.9E+02	n	---	3.6E+03	n	---	4.6E+02	n	---	---
Bromodichloromethane[6]	75-27-4	1.5E-02	c	---	1.5E+00	c	---	---	---	---	---	---	---	3.3E-02	c	---	3.3E+00	c	---	---	---	---	---	---	---	---
Bromoform[6]	75-25-2	1.2E-01	c	---	1.2E+01	c	---	5.1E+03	c	> S	6.7E+02	c	---	2.6E-01	c	---	2.6E+01	c	---	8.6E+03	c	> S	1.1E+03	c	---	---
Bromomethane (methyl bromide)	74-83-9	3.4E-02	n	---	3.4E+00	n	---	4.6E+01	n	---	6.0E+00	n	---	1.0E-01	n	---	1.0E+01	n	---	6.4E+01	n	---	8.3E+00	n	---	---
Bromophenyl phenylether, 4-	101-55-3	6.1E-05	c	---	6.1E-03	c	---	1.6E+00	c	> S	2.0E-01	c	---	1.4E-04	c	---	1.4E-02	c	---	2.7E+00	c	> S	3.4E-01	c	---	---
Butadiene, 1,3-	106-99-0	---	---	---	---	---	---	8.6E-01	c	---	1.1E-01	c	---	---	---	---	---	---	---	1.4E+00	c	---	1.9E-01	c	---	---
Butanal (butyraldehyde)	123-72-8	1.5E+00	n	---	1.5E+02	n	---	1.6E+05	n	> S	2.1E+04	n	---	4.4E+00	n	---	4.4E+02	n	---	2.2E+05	n	> S	2.9E+04	n	---	---
Butanoic acid (butyric acid)	107-92-6	1.2E+01	n	---	1.2E+03	n	---	1.9E+04	n	---	2.5E+03	n	---	3.7E+01	n	---	3.7E+03	n	---	2.7E+04	n	---	3.4E+03	n	---	---
Butanol, n-	71-36-3	2.4E+00	n	---	2.4E+02	n	---	2.0E+05	n	> S	2.6E+04	n	---	7.3E+00	n	---	7.3E+02	n	---	2.8E+05	n	> S	3.6E+04	n	---	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EG	111-76-2	1.2E+01	n	---	1.2E+03	n	---	1.0E+06	n	> S	1.0E+06	n	> S	3.7E+01	n	---	3.7E+03	n	---	1.0E+06	n	> S	1.0E+06	n	> S	---
Butyl acetate	123-86-4	3.4E+00	n	---	3.4E+02	n	---	1.0E+04	n	> S	1.3E+03	n	---	1.0E+01	n	---	1.0E+03	n	---	1.5E+04	n	> S	1.9E+03	n	---	---
Butyl acrylate	141-32-2	2.2E-01	n	---	2.2E+01	n	---	7.9E+02	n	---	1.0E+02	n	---	6.6E-01	n	---	6.6E+01	n	---	1.1E+03	n	---	1.4E+02	n	---	---
Butyl benzyl phthalate	85-68-7	4.9E+00	n	> S	4.9E+02	n	> S	1.2E+05	n	> S	1.6E+04	n	> S	1.5E+01	n	> S	1.5E+03	n	> S	1.7E+05	n	> S	2.2E+04	n	> S	---
Butylate	2008-41-5	1.2E+00	n	---	1.2E+02	n	> S	---	---	---	---	---	---	3.7E+00	n	---	3.7E+02	n	> S	---	---	---	---	---	---	---
Butylbenzene, n-	104-51-8	9.8E-01	n	---	9.8E+01	n	> S	3.6E+03	n	> S	4.7E+02	n	> S	2.9E+00	n	---	2.9E+02	n	> S	5.1E+03	n	> S	6.6E+02	n	> S	---
Butylbenzene, sec-	135-98-8	9.8E-01	n	---	9.8E+01	n	> S	3.9E+03	n	> S	5.0E+02	n	> S	2.9E+00	n	---	2.9E+02	n	> S	5.4E+03	n	> S	7.0E+02	n	> S	---
Butylbenzene, tert-	98-06-6	9.8E-01	n	---	9.8E+01	n	> S	2.5E+03	n	> S	3.2E+02	n	> S	2.9E+00	n	---	2.9E+02	n	> S	3.5E+03	n	> S	4.5E+02	n	> S	---
Butyl ether, n- (dibutyl ether)	142-96-1	2.4E+00	n	---	2.4E+02	n	---	5.0E+03	n	> S	6.5E+02	n	> S	7.3E+00	n	---	7.3E+02	n	> S	7.0E+03	n	> S	9.1E+02	n	> S	---
Cacodylic acid	75-60-5	7.3E-02	n	---	7.3E+00	n	---	---	---	---	---	---	---	2.2E-01	n	---	2.2E+01	n	---	---	---	---	---	---	---	---
Cadmium	7440-43-9	5.0E-03	m	---	5.0E-01	m	---	---	---	---	---	---	---	5.0E-03	m	---	5.0E-01	m	---	---	---	---	---	---	---	---
Calcium*	7440-70-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	105-60-2	1.2E+01	n	---	1.2E+03	n	---	2.4E+04	n	---	3.2E+03	n	---	3.7E+01	n	---	3.7E+03	n	---	3.4E+04	n	---	4.4E+03	n	---	---
Captan	133-06-2	2.6E-01	c	---	2.6E+01	c	> S	5.6E+04	n	> S	7.2E+03	n	> S	5.8E-01	c	> S	5.8E+01	c	> S	7.8E+04	n	> S	1.0E+04	n	> S	---
Carbaryl	63-25-2	2.4E+00	n	---	2.4E+02	n	> S	1.8E+05	n	> S	2.3E+04	n	> S	7.3E+00	n	---	7.3E+02	n	> S	2.5E+05	n	> S	3.3E+04	n	> S	---
Carbazole	86-74-8	4.6E-02	c	---	4.6E+00	c	> S	---	---	---	---	---	---	1.0E-01	c	---	1.0E+01	c	> S	---	---	---	---	---	---	---
Carbofuran	1563-66-2	4.0E-02	m	---	4.0E+00	m	---	3.8E+03	n	> S	4.9E+02	n	---	4.0E-02	m	---	4.0E+00	m	---	5.3E+03	n	> S	6.8E+02	n	---	---
Carbon disulfide	75-15-0	2.4E+00	n	---	2.4E+02	n	---	4.9E+03	n	> S	6.3E+02	n	---	7.3E+00	n	---	7.3E+02	n	---	6.8E+03	n	> S	8.8E+02	n	---	---
Carbon tetrachloride	56-23-5	5.0E-03	m	---	5.0E-01	m	---	7.9E+00	c	---	1.0E+00	c	---	5.0E-03	m	---	5.0E-01	m	---	1.3E+01	c	---	1.7E+00	c	---	---
Carbophenothion	786-19-6	3.2E-01	n	---	3.2E+01	n	> S	---	---	---	---	---	---	9.5E-01	n	---	9.5E+01	n	> S	---	---	---	---	---	---	---
Carbosulfan	55285-14-8	2.4E-01	n	---	2.4E+01	n	> S	---	---	---	---	---	---	7.3E-01	n	> S	7.3E+01	n	> S	---	---	---	---	---	---	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential								Commercial/Industrial								Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]		$^{GW}GW_{Class\ 3}$[3]		$^{Air}GW_{Inh-V}$ 0.5 acre source area		$^{Air}GW_{Inh-V}$ 30 acre source area		$^{GW}GW_{Ing}$[2]		$^{GW}GW_{Class\ 3}$[3]		$^{Air}GW_{Inh-V}$ 0.5 acre source area		$^{Air}GW_{Inh-V}$ 30 acre source area		
		(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)
Carboxin	5234-68-4	2.4E+00	n	2.4E+02	n	> S	---	---	---	---	---	7.3E+00	n	7.3E+02	n	> S	---	---	---	---	---	---
Chloral	75-87-6	2.4E+00	n	2.4E+02	n	---	8.4E+04	n	---	1.1E+04	n	---	7.3E+00	n	7.3E+02	n	---	1.2E+05	n	---	1.5E+04	n	---	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	2.4E+00	n	2.4E+02	n	---	1.1E+05	n	---	1.5E+04	n	---	7.3E+00	n	7.3E+02	n	---	1.6E+05	n	---	2.2E+04	n	---	---
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	133-90-4	3.7E-01	n	3.7E+01	n	---	---	---	---	---	---	---	1.1E+00	n	1.1E+02	n	---	---	---	---	---	---	---	---
Chlordane (technical)	12789-03-6	2.0E-03	m	2.0E-01	m	> S	7.7E+02	c	> S	9.9E+01	c	> S	2.0E-03	m	2.0E-01	m	> S	1.3E+03	c	> S	1.7E+02	c	> S	---
Chlordane, cis- (alpha chlordane)	5103-71-9	2.6E-03	c	2.6E-01	c	> S	1.5E+02	c	> S	2.0E+01	c	> S	5.8E-03	c	5.8E-01	c	> S	2.6E+02	c	> S	3.3E+01	c	> S	---
Chlordane, gamma	57-74-9	2.6E-03	c	2.6E-01	c	> S	1.5E+02	c	> S	2.0E+01	c	> S	5.8E-03	c	5.8E-01	c	> S	2.6E+02	c	> S	3.3E+01	c	> S	---
Chlorfenvinphos	470-90-6	1.7E-02	n	1.7E+00	n	---	---	---	---	---	---	---	5.1E-02	n	5.1E+00	n	---	---	---	---	---	---	---	---
Chloride*	16887-00-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.0E+02
Chlorine	7782-50-5	4.0E+00	m	4.0E+02	m	---	2.2E+00	n	< GW Ing	2.8E-01	n	< GW Ing	4.0E+00	m	4.0E+02	m	---	3.1E+00	n	< GW Ing	4.0E-01	n	< GW Ing	---
Chloroaniline, p-	106-47-8	9.8E-02	n	9.8E+00	n	---	6.8E+04	n	> S	8.8E+03	n	> S	2.9E-01	n	2.9E+01	n	---	9.5E+04	n	> S	1.2E+04	n	> S	---
Chlorobenzene	108-90-7	1.0E-01	m	1.0E+01	m	---	1.4E+03	n	> S	1.8E+02	n	---	1.0E-01	m	1.0E+01	m	---	1.9E+03	n	> S	2.5E+02	n	---	---
Chlorobenzilate	510-15-6	3.4E-03	c	3.4E-01	c	---	7.0E+03	c	> S	9.0E+02	c	> S	7.6E-03	c	7.6E-01	c	---	1.2E+04	c	> S	1.5E+03	c	> S	---
Chlorobromomethane (bromochloromethane)	74-97-5	9.8E-01	n	9.8E+01	n	---	2.2E+03	n	---	2.9E+02	n	---	2.9E+00	n	2.9E+02	n	---	3.1E+03	n	---	4.1E+02	n	---	---
Chloro-1,3-butadiene, 2-	126-99-8	---	---	---	---	---	2.5E+01	n	---	3.3E+00	n	---	---	---	---	---	---	3.6E+01	n	---	4.6E+00	n	---	---
Chlorodifluoromethane	75-45-6	---	---	---	---	---	1.7E+05	n	---	2.2E+04	n	---	---	---	---	---	---	2.4E+05	n	---	3.1E+04	n	---	---
Chloroethane (ethyl chloride)	75-00-3	9.8E+00	n	9.8E+02	n	---	1.2E+05	n	> S	1.5E+04	n	---	2.9E+01	n	2.9E+03	n	---	1.6E+05	n	> S	2.1E+04	n	> S	---
Chloroethanol, 2-	107-07-3	9.8E+00	n	9.8E+02	n	---	3.6E+04	n	---	4.6E+03	n	---	2.9E+01	n	2.9E+03	n	---	5.0E+04	n	---	6.5E+03	n	---	---
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	8.3E-04	c	8.3E-02	c	---	2.0E+01	n	---	2.5E+00	n	---	1.9E-03	c	1.9E-01	c	---	2.7E+01	n	---	3.5E+00	n	---	---
Chloroform[6]	67-66-3	2.4E-01	n	2.4E+01	n	---	2.0E+01	c	---	2.6E+00	c	---	7.3E-01	n	7.3E+01	n	---	3.3E+01	c	---	4.3E+00	c	---	---
Chlorohexane, 1-	544-10-5	9.8E-01	n	9.8E+01	n	> S	7.3E+03	n	> S	9.4E+02	n	> S	2.9E+00	n	2.9E+02	n	> S	1.0E+04	n	> S	1.3E+03	n	> S	---
Chloromethane (methyl chloride)	74-87-3	7.0E-02	c	7.0E+00	c	---	3.6E+01	c	---	4.7E+00	c	---	1.6E-01	c	1.6E+01	c	---	6.1E+01	c	---	7.9E+00	c	---	---
Chloro-3-methylphenol, 4-	59-50-7	1.2E-01	n	1.2E+01	n	---	6.0E+05	n	> S	7.7E+04	n	> S	3.7E-01	n	3.7E+01	n	---	8.4E+05	n	> S	1.1E+05	n	> S	---
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	2.0E+00	n	2.0E+02	n	> S	---	---	---	---	---	---	5.8E+00	n	5.8E+02	n	> S	---	---	---	---	---	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	2.0E+00	n	2.0E+02	n	> S	---	---	---	---	---	---	5.8E+00	n	5.8E+02	n	> S	---	---	---	---	---	---	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	5.1E-02	c	5.1E+00	c	---	---	---	---	---	---	---	1.1E-01	c	1.1E+01	c	---	---	---	---	---	---	---	---
Chlorophenol, 2-	95-57-8	1.2E-01	n	1.2E+01	n	---	6.2E+04	n	> S	8.0E+03	n	---	3.7E-01	n	3.7E+01	n	---	8.6E+04	n	> S	1.1E+04	n	---	---
Chlorophenol, 3-	108-43-0	1.2E-01	n	1.2E+01	n	---	5.9E+05	n	> S	7.7E+04	n	> S	3.7E-01	n	3.7E+01	n	---	8.3E+05	n	> S	1.1E+05	n	> S	---
Chlorophenol, 4-	106-48-9	1.2E-01	n	1.2E+01	n	---	5.8E+05	n	> S	7.5E+04	n	> S	3.7E-01	n	3.7E+01	n	---	8.2E+05	n	> S	1.1E+05	n	> S	---
Chlorophenyl phenylether, 4-	7005-72-3	6.1E-05	c	6.1E-03	c	---	1.2E+00	c	---	1.6E-01	c	---	1.4E-04	c	1.4E-02	c	---	2.1E+00	c	> S	2.7E-01	c	---	---
Chloropropane, 2-	75-29-6	7.3E-01	n	7.3E+01	n	---	4.7E+02	n	---	6.0E+01	n	---	2.2E+00	n	2.2E+02	n	---	6.5E+02	n	---	8.5E+01	n	---	---
Chloro-2-propanol, 1-	127-00-4	4.9E-01	n	4.9E+01	n	---	---	---	---	---	---	---	1.5E+00	n	1.5E+02	n	---	---	---	---	---	---	---	---
Chlorothalonil	1897-45-6	8.3E-02	c	8.3E+00	c	---	---	---	---	---	---	---	1.9E-01	c	1.9E+01	c	---	---	---	---	---	---	---	---
Chlorotoluene, o- (2-chlorotoluene)	95-49-8	4.9E-01	n	4.9E+01	n	---	7.7E+03	n	> S	9.9E+02	n	> S	1.5E+00	n	1.5E+02	n	---	1.1E+04	n	> S	1.4E+03	n	> S	---
Chlorotoluene, p- (4-chlorotoluene)	106-43-4	4.9E-01	n	4.9E+01	n	---	7.9E+00	n	---	1.0E+00	n	---	1.5E+00	n	1.5E+02	n	> S	1.1E+01	n	---	1.4E+00	n	< GW Ing	---
Chlorpyrifos	2921-88-2	7.3E-02	n	7.3E+00	n	> S	1.6E+03	n	> S	2.1E+02	n	> S	2.2E-01	n	2.2E+01	n	> S	2.2E+03	n	> S	2.9E+02	n	> S	---
Chromium (III) (total chromium)	16065-83-1/ 7440-47-3	1.0E-01	m	1.0E+01	m	---	---	---	---	---	---	---	1.0E-01	m	1.0E+01	m	---	---	---	---	---	---	---	---
Chromium (VI)	18540-29-9	1.0E-01	m	1.0E+01	m	---	---	---	---	---	---	---	1.0E-01	m	1.0E+01	m	---	---	---	---	---	---	---	---
Chrysene	218-01-9	1.3E-01	c	1.3E+01	c	> S	5.8E+05	c	> S	7.5E+04	c	> S	2.8E-01	c	2.8E+01	c	> S	9.8E+05	c	> S	1.3E+05	c	> S	---
Cobalt	7440-48-4	1.5E+00	n	1.5E+02	n	---	---	---	---	---	---	---	4.4E+00	n	4.4E+02	n	---	---	---	---	---	---	---	---
Copolymer acrylamide	69418-26-4	4.9E-03	n	4.9E-01	n	---	4.8E+02	n	---	6.5E+01	n	---	1.5E-02	n	1.5E+00	n	---	6.8E+02	n	---	9.0E+01	n	---	---
Copper	7440-50-8	1.3E+00	a	1.3E+02	a	---	---	---	---	---	---	---	1.3E+00	a	1.3E+02	a	---	---	---	---	---	---	---	1.0E+00
Coronene	191-07-1	4.9E-02	n	4.9E+00	n	> S	---	---	---	---	---	---	1.5E-01	n	1.5E+01	n	> S	---	---	---	---	---	---	---
Coumaphos	56-72-4	1.7E-01	n	1.7E+01	n	> S	---	---	---	---	---	---	5.1E-01	n	5.1E+01	n	> S	---	---	---	---	---	---	---
Cresol	1319-77-3	1.2E+00	n	1.2E+02	n	---	1.2E+05	n	> S	1.6E+04	n	---	3.7E+00	n	3.7E+02	n	---	1.7E+05	n	> S	2.2E+04	n	---	---
Cresol, m- (3-methylphenol)	108-39-4	1.2E+00	n	1.2E+02	n	---	1.2E+05	n	> S	1.6E+04	n	---	3.7E+00	n	3.7E+02	n	---	1.7E+05	n	> S	2.2E+04	n	---	---
Cresol, o- (2-methylphenol)	95-48-7	1.2E+00	n	1.2E+02	n	---	1.0E+05	n	> S	1.3E+04	n	---	3.7E+00	n	3.7E+02	n	---	1.4E+05	n	> S	1.8E+04	n	---	---
Cresol, p- (4-methylphenol)	106-44-5	1.2E-01	n	1.2E+01	n	---	1.2E+05	n	> S	1.5E+04	n	---	3.7E-01	n	3.7E+01	n	---	1.7E+05	n	> S	2.1E+04	n	---	---
Crotonaldehyde	123-73-9	4.8E-04	c	4.8E-02	c	---	6.3E+03	n	---	8.2E+02	n	---	1.1E-03	c	1.1E-01	c	---	8.9E+03	n	---	1.1E+03	n	---	---
Cumene (isopropylbenzene)	98-82-8	2.4E+00	n	2.4E+02	n	> S	4.4E+03	n	> S	5.7E+02	n	> S	7.3E+00	n	7.3E+02	n	> S	6.2E+03	n	> S	8.0E+02	n	> S	---

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Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential								Commercial/Industrial								Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]		$^{GW}GW_{Class3}$[3]		$^{Air}GW_{Inh-V}$ 0.5 acre source area		$^{Air}GW_{Inh-V}$ 30 acre source area		$^{GW}GW_{Ing}$[2]		$^{GW}GW_{Class3}$[3]		$^{Air}GW_{Inh-V}$ 0.5 acre source area		$^{Air}GW_{Inh-V}$ 30 acre source area		
		(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)	note[4]	(mg/L)
Cyanazine	21725-46-2	1.1E-03	c	1.1E-01	c	---	---	---	---	2.4E-03	c	2.4E-01	c	---	---	---	---	---
Cyanide	57-12-5	2.0E-01	m	2.0E+01	m	---	---	---	---	2.0E-01	m	2.0E+01	m	---	---	---	---	---
Cyanogen	460-19-5	9.8E-01	n	9.8E+01	n	1.9E+02	n	2.5E+01	n	2.9E+00	n	2.9E+02	n	2.7E+02	n	3.5E+01	n	---
Cycloate	1134-23-2	1.3E+00	n	1.3E+02	n	> S	---	---	---	4.0E+00	n	4.0E+02	n	> S	---	---	---	---
Cyclohexane	110-82-7	1.2E+02	n	> S	1.2E+04	n	> S	5.9E+03	n	> S	7.7E+02	n	> S	3.7E+02	n	> S	3.7E+04	n	> S	8.3E+03	n	> S	1.1E+03	n	> S	---
Cyclohexanol	108-93-0	1.2E+02	n	> S	1.2E+04	n	> S	1.0E+06	n	> S	3.6E+05	n	> S	3.7E+02	n	> S	3.7E+04	n	> S	1.0E+06	n	> S	5.0E+05	n	> S	---
Cyclohexanone	108-94-1	1.2E+02	n	1.2E+04	n	2.0E+05	n	2.6E+04	n	> S	3.7E+02	n	3.7E+04	n	> S	2.8E+05	n	> S	3.6E+04	n	> S	---
Cyclotetramethylenetetranitramine (HMX)	2691-41-0	1.2E+00	n	1.2E+02	n	1.0E+06	n	> S	1.0E+06	n	> S	3.7E+00	n	3.7E+02	n	1.0E+06	n	> S	1.0E+06	n	> S	---
Cyclotrimethylenetrinitramine (RDX)	121-82-4	8.3E-03	c	8.3E-01	c	1.2E+03	n	> S	1.5E+02	n	> S	1.9E-02	c	1.9E+00	c	1.6E+03	n	> S	2.1E+02	n	> S	---
Cymene (isopropyltoluene)	99-87-6	2.4E+00	n	2.4E+02	n	> S	4.6E+03	n	> S	5.9E+02	n	> S	7.3E+00	n	7.3E+02	n	> S	6.4E+03	n	> S	8.3E+02	n	> S	---
Cymoxanil	57966-95-7	3.2E-01	n	3.2E+01	n	---	---	---	---	9.5E-01	n	9.5E+01	n	---	---	---	---	---
Dacthal (DCPA)	1861-32-1	2.4E-01	n	> S	2.4E+01	n	> S	---	---	---	7.3E-01	n	> S	7.3E+01	n	> S	---	---	---	---	---	---
Delapon, sodium salt (2,2-dichloropropanoic acid)	75-99-0	2.0E-01	m	2.0E+01	m	---	---	---	---	2.0E-01	m	2.0E+01	m	---	---	---	---	---
DDD	72-54-8	3.8E-03	c	3.8E-01	c	> S	---	---	---	8.5E-03	c	8.5E-01	c	> S	---	---	---	---	---	---	---
DDE	72-55-9	2.7E-03	c	2.7E-01	c	> S	---	---	---	6.0E-03	c	6.0E-01	c	> S	---	---	---	---	---	---	---
DDT	50-29-3	2.7E-03	c	2.7E-01	c	> S	6.2E+02	c	> S	8.1E+01	c	> S	6.0E-03	c	> S	6.0E-01	c	> S	1.0E+03	c	> S	1.4E+02	c	> S	---
Demeton	8065-48-3	9.8E-04	n	9.8E-02	n	---	---	---	---	2.9E-03	n	2.9E-01	n	---	---	---	---	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	9.8E-01	n	9.8E+01	n	---	---	---	---	2.9E+00	n	2.9E+02	n	---	---	---	---	---
Diallate	2303-16-4	1.5E-02	c	1.5E+00	c	---	---	---	---	3.4E-02	c	3.4E+00	c	---	---	---	---	---
Diazinon	333-41-5	2.2E-02	n	2.2E+00	n	---	4.0E+03	n	> S	5.2E+02	n	> S	6.6E-02	n	---	6.6E+00	n	---	5.6E+03	n	> S	7.2E+02	n	> S	---
Dibenz-a,h-acridine	226-36-8	7.6E-04	c	> S	7.6E-02	c	> S	8.1E+03	c	> S	1.1E+03	c	> S	1.7E-03	c	> S	1.7E-01	c	> S	1.4E+04	c	> S	1.8E+03	c	> S	---
Dibenz-a,h-anthracene	53-70-3	2.0E-04	c	2.0E-02	c	> S	1.0E+03	c	> S	1.3E+02	c	> S	2.8E-04	c	---	2.8E-02	c	> S	1.8E+03	c	> S	2.3E+02	c	> S	---
Dibenz-a,j-acridine	224-42-0	1.3E-03	c	> S	1.3E-01	c	> S	1.0E+04	c	> S	1.3E+03	c	> S	2.8E-03	c	> S	2.8E-01	c	> S	1.7E+04	c	> S	2.2E+03	c	> S	---
Dibenzofuran	132-64-9	9.8E-02	n	9.8E+00	n	> S	---	---	---	2.9E-01	n	2.9E+01	n	> S	---	---	---	---	---	---	---
Dibenzothiophene	132-65-0	7.3E-02	n	7.3E+00	n	> S	---	---	---	2.2E-01	n	> S	2.2E+01	n	> S	---	---	---	---	---	---
Dibromochloromethane (chlorodibromomethane)[6]	124-48-1	1.1E-02	c	1.1E+00	c	---	---	---	---	2.4E-02	c	---	2.4E+00	c	---	---	---	---	---	---	---
Dibromo-3-chloropropane, 1,2-	96-12-8	2.0E-04	m	2.0E-02	m	---	3.2E+01	n	---	4.1E+00	n	---	2.0E-04	m	---	2.0E-02	m	---	4.4E+01	n	---	5.7E+00	n	---	---
Dibromofluoromethane	1868-53-7	4.9E+00	n	4.9E+02	n	---	1.3E+05	n	> S	1.7E+04	n	> S	1.5E+01	n	---	1.5E+03	n	---	1.8E+05	n	> S	2.4E+04	n	> S	---
Dicamba	1918-00-9	7.3E-01	n	7.3E+01	n	---	3.0E+05	n	> S	3.9E+04	n	> S	2.2E+00	n	---	2.2E+02	n	---	4.2E+05	n	> S	5.5E+04	n	> S	---
Dichlorobenzene, 1,2-	95-50-1	6.0E-01	m	6.0E+01	m	---	1.2E+03	n	> S	1.5E+02	n	---	6.0E-01	m	---	6.0E+01	m	---	1.6E+03	n	> S	2.1E+02	n	> S	---
Dichlorobenzene, 1,3-	541-73-1	7.3E-01	n	7.3E+01	n	---	1.9E+02	n	> S	2.5E+01	n	---	2.2E+00	n	---	2.2E+02	n	> S	2.7E+02	n	> S	3.4E+01	n	---	---
Dichlorobenzene, 1,4-	106-46-7	7.5E-02	m	7.5E+00	m	---	2.6E+04	n	> S	3.4E+03	n	> S	7.5E-02	m	---	7.5E+00	m	---	3.7E+04	n	> S	4.7E+03	n	> S	---
Dichlorobenzidine, 3,3-	91-94-1	2.0E-03	c	2.0E-01	c	---	---	---	---	4.5E-03	c	4.5E-01	c	---	---	---	---	---	---	---	---
Dichlorobutane, 2,3-	7581-97-7	2.4E-01	n	2.4E+01	n	---	1.4E+02	n	---	1.9E+01	n	---	7.3E-01	n	---	7.3E+01	n	---	2.0E+02	n	---	2.6E+01	n	---	---
Dichloro-2-butene, 1,4-	764-41-0	---	---	---	---	---	1.1E+00	c	---	1.4E-01	c	---	---	---	---	---	---	---	1.8E+00	c	---	2.4E-01	c	---	---
Dichloro-2-butene, 1,4- trans	110-57-6	---	---	---	---	---	1.1E+00	c	---	1.4E-01	c	---	---	---	---	---	---	---	1.8E+00	c	---	2.3E-01	c	---	---
Dichlorodifluoromethane	75-71-8	4.9E+00	n	4.9E+02	n	> S	3.0E+03	n	> S	3.8E+02	n	> S	1.5E+01	n	---	1.5E+03	n	> S	4.2E+03	n	> S	5.4E+02	n	> S	---
Dichloroethane, 1,1-	75-34-3	2.4E+00	n	2.4E+02	n	---	7.2E+03	n	> S	9.3E+02	n	---	7.3E+00	n	---	7.3E+02	n	---	1.0E+04	n	> S	1.3E+03	n	---	---
Dichloroethane, 1,2-	107-06-2	5.0E-03	m	5.0E-01	m	---	3.3E+01	c	---	4.3E+00	c	---	5.0E-03	m	---	5.0E-01	m	---	5.5E+01	c	---	7.2E+00	c	---	---
Dichloroethylene, 1,1-	75-35-4	7.0E-03	m	7.0E-01	m	---	9.8E+02	n	---	1.3E+02	n	---	7.0E-03	m	---	7.0E-01	m	---	1.4E+03	n	---	1.8E+02	n	---	---
Dichloroethylene, cis-1,2-	156-59-2	7.0E-02	m	7.0E+00	m	---	1.6E+04	n	> S	2.1E+03	n	---	7.0E-02	m	---	7.0E+00	m	---	2.3E+04	n	> S	2.9E+03	n	---	---
Dichloroethylene, trans-1,2	156-60-5	1.0E-01	m	1.0E+01	m	---	1.0E+04	n	> S	1.3E+03	n	---	1.0E-01	m	---	1.0E+01	m	---	1.4E+04	n	> S	1.8E+03	n	---	---
Dichlorophenol, 2,3-	576-24-9	7.3E-02	n	7.3E+00	n	---	1.0E+06	n	> S	1.4E+05	n	> S	2.2E-01	n	---	2.2E+01	n	---	1.0E+06	n	> S	2.0E+05	n	> S	---
Dichlorophenol, 2,4-	120-83-2	7.3E-02	n	7.3E+00	n	---	5.4E+05	n	> S	7.0E+04	n	> S	2.2E-01	n	---	2.2E+01	n	---	7.6E+05	n	> S	9.8E+04	n	> S	---
Dichlorophenol, 2,5-	583-78-8	7.3E-02	n	7.3E+00	n	---	1.0E+06	n	> S	1.4E+05	n	> S	2.2E-01	n	---	2.2E+01	n	---	1.0E+06	n	> S	2.0E+05	n	> S	---
Dichlorophenol, 2,6-	87-65-0	2.4E-02	n	2.4E+00	n	---	3.7E+05	n	> S	4.7E+04	n	> S	7.3E-02	n	---	7.3E+00	n	---	5.1E+05	n	> S	6.6E+04	n	> S	---
Dichlorophenol, 3,4-	95-77-2	7.3E-02	n	7.3E+00	n	---	1.0E+06	n	> S	1.6E+05	n	> S	2.2E-01	n	---	2.2E+01	n	---	1.0E+06	n	> S	2.3E+05	n	> S	---
Dichlorophenol, 3,5-	591-35-5	7.3E-02	n	7.3E+00	n	---	1.0E+06	n	> S	1.6E+05	n	> S	2.2E-01	n	---	2.2E+01	n	---	1.0E+06	n	> S	2.2E+05	n	> S	---
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	7.0E-02	m	7.0E+00	m	---	3.2E+04	n	> S	4.2E+03	n	> S	7.0E-02	m	---	7.0E+00	m	---	4.4E+04	n	> S	5.9E+03	n	> S	---
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	2.0E-01	n	2.0E+01	n	---	---	---	---	5.8E-01	n	5.8E+01	n	---	---	---	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	2.4E-01	n	2.4E+01	n	---	---	---	---	7.3E-01	n	7.3E+01	n	---	---	---	---	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Dichloropropane, 1,2-	78-87-5	5.0E-03	m	---	5.0E-01	m	---	1.2E+02	n	---	1.5E+01	n	---	5.0E-03	m	---	5.0E-01	m	---	1.6E+02	n	---	2.1E+01	n	---	---
Dichloropropane, 1,3-	142-28-9	9.1E-03	c	---	9.1E-01	c	---	2.5E+02	c	---	3.3E+01	c	---	2.0E-02	c	---	2.0E+00	c	---	4.3E+02	c	---	5.5E+01	c	---	---
Dichloropropane, 2,2-	594-20-7	1.3E-02	c	---	1.3E+00	c	---	5.7E+01	n	---	7.3E+00	n	---	3.0E-02	c	---	3.0E+00	c	---	7.9E+01	n	---	1.0E+01	n	---	---
Dichloropropanol, 2,3-	616-23-9	7.3E-02	n	---	7.3E+00	n	---	---	---	---	---	---	---	2.2E-01	n	---	2.2E+01	n	---	---	---	---	---	---	---	---
Dichloropropene, 1,1-	563-58-6	9.1E-03	c	---	9.1E-01	c	---	1.9E+01	c	---	2.5E+00	c	---	2.0E-02	c	---	2.0E+00	c	---	3.2E+01	c	---	4.2E+00	c	---	---
Dichloropropene, 1,3- (mixed isomers)	542-75-6	9.1E-03	c	---	9.1E-01	c	---	1.8E+02	c	---	2.3E+01	c	---	2.0E-02	c	---	2.0E+00	c	---	3.0E+02	c	---	3.8E+01	c	---	---
Dichloropropene, cis 1,3-	10061-01-5	1.7E-03	c	---	1.7E-01	c	---	2.3E+02	n	---	3.0E+01	n	---	3.8E-03	c	---	3.8E-01	c	---	3.2E+02	n	---	4.2E+01	n	---	---
Dichloropropene, trans 1,3-	10061-02-6	9.1E-03	c	---	9.1E-01	c	---	1.9E+02	c	---	2.5E+01	c	---	2.0E-02	c	---	2.0E+00	c	---	3.2E+02	c	---	4.1E+01	c	---	---
Dichlorvos	62-73-7	3.1E-03	c	---	3.1E-01	c	---	1.0E+04	n	---	1.3E+03	n	---	7.0E-03	c	---	7.0E-01	c	---	1.4E+04	n	---	1.8E+03	n	---	---
Dicrotophos (bidrin)	141-66-2	2.4E-03	n	---	2.4E-01	n	---	---	---	---	---	---	---	7.3E-03	n	---	7.3E-01	n	---	---	---	---	---	---	---	---
Dicyclopentadiene	77-73-6	7.3E-01	n	---	7.3E+01	n	---	---	---	---	---	---	---	2.2E+00	n	---	2.2E+02	n	---	---	---	---	---	---	---	---
Dieldrin	60-57-1	5.7E-05	c	---	5.7E-03	c	---	1.3E+02	c	> S	1.6E+01	c	> S	1.3E-04	c	---	1.3E-02	c	---	2.1E+02	c	> S	2.8E+01	c	> S	---
Diethanolamine	111-42-2	1.2E-02	n	---	1.2E+00	n	---	1.5E+05	n	---	1.2E+05	n	---	3.7E-02	n	---	3.7E+00	n	---	2.2E+05	n	---	1.6E+05	n	---	---
Diethyl phthalate	84-66-2	2.0E+01	n	---	2.0E+03	n	> S	1.4E+05	n	> S	1.8E+04	n	> S	5.8E+01	n	---	5.8E+03	n	> S	1.9E+05	n	> S	2.5E+04	n	> S	---
Diethylene glycol	111-46-6	4.9E+01	n	---	4.9E+03	n	---	---	---	---	---	---	---	1.5E+02	n	---	1.5E+04	n	---	---	---	---	---	---	---	---
Diethylene glycol monobutyl ether	112-34-5	2.2E+00	n	---	2.2E+02	n	---	6.4E+05	n	> S	8.3E+04	n	> S	6.6E+00	n	---	6.6E+02	n	---	9.0E+05	n	> S	1.2E+05	n	> S	---
Diethylhexyl adipate	103-23-1	4.0E-01	m	> S	4.0E+01	m	> S	1.7E+03	n	> S	2.1E+02	n	> S	4.0E-01	m	> S	4.0E+01	m	> S	2.3E+03	n	> S	3.0E+02	n	> S	---
Diethylstilbestrol	56-53-1	1.9E-07	c	---	1.9E-05	c	---	---	---	---	---	---	---	4.3E-07	c	---	4.3E-05	c	---	---	---	---	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	1.5E+00	n	---	1.5E+02	n	> S	2.3E+01	n	> S	3.0E+00	n	---	4.4E+00	n	> S	4.4E+02	n	> S	3.2E+01	n	> S	4.2E+00	n	< GW Ing	---
Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	2.4E+00	n	---	2.4E+02	n	---	2.8E+04	n	> S	3.6E+03	n	> S	7.3E+00	n	---	7.3E+02	n	---	3.9E+04	n	> S	5.0E+03	n	> S	---
Dimethenamid	87674-68-8	3.7E-01	n	---	3.7E+01	n	---	---	---	---	---	---	---	1.1E+00	n	---	1.1E+02	n	---	---	---	---	---	---	---	---
Dimethoate	60-51-5	4.9E-03	n	---	4.9E-01	n	---	---	---	---	---	---	---	1.5E-02	n	---	1.5E+00	n	---	---	---	---	---	---	---	---
Dimethoxybenzidine, 3,3'-	119-90-4	6.5E-02	c	---	6.5E+00	c	---	---	---	---	---	---	---	1.5E-01	c	---	1.5E+01	c	---	---	---	---	---	---	---	---
Dimethylaminoazobenzene, p-	60-11-7	2.4E-04	n	---	2.4E-02	n	---	---	---	---	---	---	---	7.3E-04	n	---	7.3E-02	n	---	---	---	---	---	---	---	---
Dimethylbenz-a-anthracene, 7,12-	57-97-6	3.7E-06	c	---	3.7E-04	c	---	3.3E+01	c	> S	4.3E+00	c	> S	8.2E-06	c	---	8.2E-04	c	---	5.5E+01	c	> S	7.2E+00	c	> S	---
Dimethylbenzidine, 3,3'-	119-93-7	9.9E-05	c	---	9.9E-03	c	---	---	---	---	---	---	---	2.2E-04	c	---	2.2E-02	c	---	---	---	---	---	---	---	---
Dimethylnaphthalene, 1,3-	575-41-7	9.8E-01	n	---	9.8E+01	n	> S	---	---	---	---	---	---	2.9E+00	n	---	2.9E+02	n	> S	---	---	---	---	---	---	---
Dimethyl phenol, 2,4-	105-67-9	4.9E-01	n	---	4.9E+01	n	---	1.6E+05	n	> S	2.1E+04	n	> S	1.5E+00	n	---	1.5E+02	n	---	2.3E+05	n	> S	3.0E+04	n	> S	---
Dimethylphenethylamine, alpha, alpha-	122-09-8	4.9E-02	n	---	4.9E+00	n	---	1.0E+06	n	> S	9.4E+05	n	> S	1.5E-01	n	---	1.5E+01	n	---	1.0E+06	n	> S	1.0E+06	n	> S	---
Dimethylphthalate	131-11-3	2.0E+01	n	---	2.0E+03	n	---	1.1E+05	n	> S	1.4E+04	n	> S	5.8E+01	n	---	5.8E+03	n	> S	1.5E+05	n	> S	1.9E+04	n	> S	---
Di-n-butyl phthalate	84-74-2	2.4E+00	n	---	2.4E+02	n	> S	7.2E+04	n	> S	9.3E+03	n	> S	7.3E+00	n	---	7.3E+02	n	> S	1.0E+05	n	> S	1.3E+04	n	> S	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	2.4E-03	n	---	2.4E-01	n	---	1.9E+04	n	> S	2.5E+03	n	> S	7.3E-03	n	---	7.3E-01	n	---	2.7E+04	n	> S	3.4E+03	n	> S	---
Dinitrobenzene, 1,4-	100-25-4	9.8E-03	n	---	9.8E-01	n	---	2.6E+04	n	> S	3.4E+03	n	> S	2.9E-02	n	---	2.9E+00	n	---	3.6E+04	n	> S	4.7E+03	n	> S	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	4.9E-02	n	---	4.9E+00	n	---	8.4E+03	n	> S	1.1E+03	n	---	1.5E-01	n	---	1.5E+01	n	---	1.2E+04	n	> S	1.5E+03	n	---	---
Dinitrophenol, 2,4-	51-28-5	4.9E-02	n	---	4.9E+00	n	---	---	---	---	---	---	---	1.5E-01	n	---	1.5E+01	n	---	---	---	---	---	---	---	---
Dinitrophenol, 2,5-	329-71-5	4.9E-02	n	---	4.9E+00	n	---	---	---	---	---	---	---	1.5E-01	n	---	1.5E+01	n	---	---	---	---	---	---	---	---
Dinitrotoluene, 2,4-	121-14-2	1.3E-03	c	---	1.3E-01	c	---	1.2E+03	n	> S	1.6E+02	n	---	3.0E-03	c	---	3.0E-01	c	---	1.7E+03	n	> S	2.2E+02	n	---	---
Dinitrotoluene, 2,6-	606-20-2	1.3E-03	c	---	1.3E-01	c	---	3.1E+03	n	> S	4.1E+02	n	> S	3.0E-03	c	---	3.0E-01	c	---	4.4E+03	n	> S	5.7E+02	n	> S	---
Di-n-octyl phthalate	117-84-0	4.9E-01	n	> S	4.9E+01	n	> S	---	---	---	---	---	---	1.5E+00	n	> S	1.5E+02	n	> S	---	---	---	---	---	---	---
Dinoseb	88-85-7	7.0E-03	m	---	7.0E-01	m	---	---	---	---	---	---	---	7.0E-03	m	---	7.0E-01	m	---	---	---	---	---	---	---	---
Dioxane 1,4-	123-91-1	8.3E-02	c	---	8.3E+00	c	---	1.5E+05	n	---	1.9E+04	n	---	1.9E-01	c	---	1.9E+01	c	---	2.1E+05	n	---	2.7E+04	n	---	---
Diphenylamine	122-39-4	6.1E-01	n	---	6.1E+01	n	---	5.6E+04	n	> S	7.2E+03	n	> S	1.8E+00	n	---	1.8E+02	n	---	7.8E+04	n	> S	1.0E+04	n	> S	---
Diphenylhydrazine, 1,2-	122-66-7	1.1E-03	c	---	1.1E-01	c	---	3.8E+03	c	> S	4.9E+02	c	---	2.6E-03	c	---	2.6E-01	c	---	6.4E+03	c	> S	8.3E+02	c	---	---
Diphenyl oxide	101-84-8	1.5E-01	n	---	1.5E+01	n	> S	9.0E+02	n	> S	1.2E+02	n	> S	4.5E-01	n	---	4.5E+01	n	> S	1.3E+03	n	> S	1.6E+02	n	> S	---
Diquat	85-00-7	2.0E-02	m	---	2.0E+00	m	---	4.2E+04	n	---	3.9E+04	n	---	2.0E-02	m	---	2.0E+00	m	---	5.9E+04	n	---	5.5E+04	n	---	---
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	3-72-3/ 142-7	2.4E-01	n	---	2.4E+01	n	---	---	---	---	---	---	---	7.3E-01	n	---	7.3E+01	n	---	---	---	---	---	---	---	---
Disulfoton	298-04-4	9.8E-04	n	---	9.8E-02	n	---	3.5E+02	n	> S	4.5E+01	n	> S	2.9E-03	n	---	2.9E-01	n	---	4.9E+02	n	> S	6.3E+01	n	> S	---
Diuron	330-54-1	4.9E-02	n	---	4.9E+00	n	---	3.9E+05	n	> S	5.0E+04	n	> S	1.5E-01	n	---	1.5E+01	n	---	5.4E+05	n	> S	7.0E+04	n	> S	---
Dodecylphenol, 4-	27193-86-8/ 104-43-8	1.2E+00	n	> S	1.2E+02	n	> S	6.4E+05	n	> S	8.2E+04	n	> S	3.7E+00	n	> S	3.7E+02	n	> S	8.9E+05	n	> S	1.2E+05	n	> S	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Endosulfan	115-29-7	1.5E-01	n	---	1.5E+01	n	> S	1.2E+03	n	> S	1.5E+02	n	> S	4.4E-01	n	---	4.4E+01	n	> S	1.6E+03	n	> S	2.1E+02	n	> S	---
Endosulfan I	959-98-8	4.9E-02	n	---	4.9E+00	n	> S	9.1E+02	n	> S	1.2E+02	n	> S	1.5E-01	n	---	1.5E+01	n	> S	1.3E+03	n	> S	1.6E+02	n	> S	---
Endosulfan II	33213-65-9	1.5E-01	n	---	1.5E+01	n	> S	---	---	---	---	---	---	4.4E-01	n	---	4.4E+01	n	> S	---	---	---	---	---	---	---
Endosulfan sulfate	1031-07-8	1.5E-01	n	> S	1.5E+01	n	> S	---	---	---	---	---	---	4.4E-01	n	> S	4.4E+01	n	> S	---	---	---	---	---	---	---
Endothall	145-73-3	1.0E-01	m	---	1.0E+01	m	---	---	---	---	---	---	---	1.0E-01	m	---	1.0E+01	m	---	---	---	---	---	---	---	---
Endrin	72-20-8	2.0E-03	m	---	2.0E-01	m	---	3.3E+03	n	> S	4.2E+02	n	> S	2.0E-03	m	---	2.0E-01	m	---	4.6E+03	n	> S	5.9E+02	n	> S	---
Endrin aldehyde	7421-93-4	7.3E-03	n	---	7.3E-01	n	> S	---	---	---	---	---	---	2.2E-02	n	> S	2.2E+00	n	> S	---	---	---	---	---	---	---
Endrin ketone	53494-70-5	7.3E-03	n	---	7.3E-01	n	---	2.8E+03	n	> S	3.6E+02	n	> S	2.2E-02	n	---	2.2E+00	n	> S	3.9E+03	n	> S	5.1E+02	n	> S	---
Epichlorohydrin	106-89-8	4.9E-02	n	---	4.9E+00	n	---	7.1E+02	n	---	9.1E+01	n	---	1.5E-01	n	---	1.5E+01	n	---	9.9E+02	n	---	1.3E+02	n	---	---
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	2104-64-5	2.4E-04	n	---	2.4E-02	n	---	---	---	---	---	---	---	7.3E-04	n	---	7.3E-02	n	---	---	---	---	---	---	---	---
Esfenvalerate	66230-04-4	4.9E-02	n	> S	4.9E+00	n	> S	---	---	---	---	---	---	1.5E-01	n	> S	1.5E+01	n	> S	---	---	---	---	---	---	---
Ethalfluralin (sonolan)	55283-68-6	1.0E-02	c	---	1.0E+00	c	---	---	---	---	---	---	---	2.3E-02	c	---	2.3E+00	c	---	---	---	---	---	---	---	---
Ethanol	64-17-5	8.1E+02	n	---	8.1E+04	n	---	1.0E+06	n	> S	5.6E+05	n	> S	2.4E+03	n	---	2.4E+05	n	---	1.0E+06	n	> S	7.8E+05	n	> S	---
Ethion	563-12-2	1.2E-02	n	---	1.2E+00	n	> S	1.2E+04	n	> S	1.5E+03	n	> S	3.7E-02	n	---	3.7E+00	n	> S	1.7E+04	n	> S	2.2E+03	n	> S	---
Ethoprop	13194-48-4	2.4E-03	n	---	2.4E-01	n	---	---	---	---	---	---	---	7.3E-03	n	---	7.3E-01	n	---	---	---	---	---	---	---	---
Ethoxy ethanol, 2-	110-80-5	9.8E+00	n	---	9.8E+02	n	> S	4.9E+02	n	> S	6.4E+01	n	> S	2.9E+01	n	> S	2.9E+03	n	> S	6.9E+02	n	> S	9.0E+01	n	> S	---
Ethyl acetate	141-78-6	2.2E+01	n	---	2.2E+03	n	---	3.3E+05	n	> S	4.3E+04	n	---	6.6E+01	n	---	6.6E+03	n	---	4.7E+05	n	> S	6.0E+04	n	---	---
Ethyl acrylate	140-88-5	1.9E-02	c	---	1.9E+00	c	---	2.2E+03	n	---	2.8E+02	n	---	4.3E-02	c	---	4.3E+00	c	---	3.1E+03	n	---	4.0E+02	n	---	---
Ethyl benzene	100-41-4	7.0E-01	m	---	7.0E+01	m	---	1.6E+04	n	> S	2.0E+03	n	> S	7.0E-01	m	---	7.0E+01	m	---	2.2E+04	n	> S	2.8E+03	n	> S	---
Ethyl dipropylthiocarbamate, S-	759-94-4	6.1E-01	n	---	6.1E+01	n	---	---	---	---	---	---	---	1.8E+00	n	---	1.8E+02	n	---	---	---	---	---	---	---	---
Ethylene*	74-85-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	107-15-3	4.9E-01	n	---	4.9E+01	n	---	4.6E+05	n	---	5.9E+04	n	---	1.5E+00	n	---	1.5E+02	n	---	6.4E+05	n	---	8.3E+04	n	---	---
Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	5.0E-05	m	---	5.0E-03	m	---	1.5E+01	c	---	2.0E+00	c	---	5.0E-05	m	---	5.0E-03	m	---	2.6E+01	c	---	3.3E+00	c	---	---
Ethylene glycol	107-21-1	4.9E+01	n	---	4.9E+03	n	---	4.1E+05	n	---	5.3E+04	n	---	1.5E+02	n	---	1.5E+04	n	---	5.8E+05	n	---	7.5E+04	n	---	---
Ethylenimine	151-56-4	1.4E-05	c	---	1.4E-03	c	---	1.4E+01	c	---	1.8E+00	c	---	3.1E-05	c	---	3.1E-03	c	---	2.3E+01	c	---	3.0E+00	c	---	---
Ethylene oxide	75-21-8	8.9E-04	c	---	8.9E-02	c	---	4.2E+01	c	---	5.4E+00	c	---	2.0E-03	c	---	2.0E-01	c	---	7.0E+01	c	---	9.1E+00	c	---	---
Ethylene thiourea	96-45-7	2.0E-03	n	---	2.0E-01	n	---	5.4E+04	n	> S	7.0E+03	n	---	5.8E-03	n	---	5.8E-01	n	---	7.5E+04	n	> S	9.7E+03	n	---	---
Ethyl ether	60-29-7	4.9E+00	n	---	4.9E+02	n	---	8.4E+04	n	> S	1.1E+04	n	---	1.5E+01	n	---	1.5E+03	n	---	1.2E+05	n	> S	1.5E+04	n	---	---
Ethyl-1-hexanol, 2-	104-76-7	3.7E+00	n	---	3.7E+02	n	---	2.6E+05	n	> S	3.3E+04	n	> S	1.1E+01	n	---	1.1E+03	n	> S	3.6E+05	n	> S	4.7E+04	n	> S	---
Ethyl-2-hexenal, 2-	645-62-5	3.7E+00	n	---	3.7E+02	n	---	1.9E+04	n	> S	2.4E+03	n	> S	1.1E+01	n	---	1.1E+03	n	> S	2.6E+04	n	> S	3.4E+03	n	> S	---
Ethylhexyl acrylate, 2-	103-11-7	1.9E-02	c	---	1.9E+00	c	---	1.3E+03	n	---	1.7E+02	n	---	4.3E-02	c	---	4.3E+00	c	---	1.9E+03	n	---	2.4E+02	n	---	---
Ethyl methacrylate	97-63-2	2.2E+00	n	---	2.2E+02	n	---	9.5E+04	n	> S	1.2E+04	n	---	6.6E+00	n	---	6.6E+02	n	---	1.3E+05	n	> S	1.7E+04	n	---	---
Ethyl methanesulfonate	62-50-0	9.2E-03	c	---	9.2E-01	c	---	1.9E+04	c	---	2.4E+03	c	---	2.1E-02	c	---	2.1E+00	c	---	3.1E+04	c	---	4.0E+03	c	---	---
Ethyl-2-methyl benzene, 1-	611-14-3	4.9E+00	n	---	4.9E+02	n	> S	9.2E+03	n	> S	1.2E+03	n	> S	1.5E+01	n	---	1.5E+03	n	> S	1.3E+04	n	> S	1.7E+03	n	> S	---
Ethyl-4-methyl benzene, 1-	622-96-8	4.9E+00	n	---	4.9E+02	n	> S	7.0E+03	n	> S	9.0E+02	n	> S	1.5E+01	n	---	1.5E+03	n	> S	9.7E+03	n	> S	1.3E+03	n	> S	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	2.4E-02	n	---	2.4E+00	n	---	1.1E+04	n	> S	1.4E+03	n	---	7.3E-02	n	---	7.3E+00	n	---	1.5E+04	n	> S	2.0E+03	n	---	---
Famphur	52-85-7	7.3E-04	n	---	7.3E-02	n	---	5.4E+04	n	> S	2.1E+04	n	> S	2.2E-03	n	---	2.2E-01	n	---	7.6E+04	n	> S	2.9E+04	n	> S	---
Fensulfothion	115-90-2	2.4E-02	n	---	2.4E+00	n	---	---	---	---	---	---	---	7.3E-02	n	---	7.3E+00	n	---	---	---	---	---	---	---	---
Fenthion	55-38-9	1.7E-03	n	---	1.7E-01	n	---	---	---	---	---	---	---	5.1E-03	n	---	5.1E-01	n	---	---	---	---	---	---	---	---
Fluoranthene	206-44-0	9.8E-01	n	> S	9.8E+01	n	> S	---	---	---	---	---	---	2.9E+00	n	> S	2.9E+02	n	> S	---	---	---	---	---	---	---
Fluorene	86-73-7	9.8E-01	n	---	9.8E+01	n	> S	---	---	---	---	---	---	2.9E+00	n	> S	2.9E+02	n	> S	---	---	---	---	---	---	---
Fluorine (soluble fluoride)	7782-41-4	4.0E+00	m	---	4.0E+02	m	---	---	---	---	---	---	---	4.0E+00	m	---	4.0E+02	m	---	---	---	---	---	---	---	2.0E+00
Fluorochloridone	61213-25-0	1.8E-01	n	---	1.8E+01	n	---	3.7E+05	n	> S	4.8E+04	n	> S	5.5E-01	n	---	5.5E+01	n	---	5.2E+05	n	> S	6.8E+04	n	> S	---
Fonofos	944-22-9	4.9E-02	n	---	4.9E+00	n	---	---	---	---	---	---	---	1.5E-01	n	---	1.5E+01	n	> S	---	---	---	---	---	---	---
Formaldehyde	50-00-0	4.9E+00	n	---	4.9E+02	n	---	1.4E+04	c	---	1.8E+03	c	---	1.5E+01	n	---	1.5E+03	n	---	2.4E+04	c	---	3.1E+03	c	---	---
Formic acid	64-18-6	4.9E+01	n	---	4.9E+03	n	---	5.5E+04	n	---	7.1E+03	n	---	1.5E+02	n	---	1.5E+04	n	---	7.7E+04	n	---	9.9E+03	n	---	---
Furan	110-00-9	2.4E-02	n	---	2.4E+00	n	---	4.0E+02	n	---	5.2E+01	n	---	7.3E-02	n	---	7.3E+00	n	---	5.6E+02	n	---	7.3E+01	n	---	---
Furfural	98-01-1	7.3E-02	n	---	7.3E+00	n	---	4.3E+04	n	---	5.6E+03	n	---	2.2E-01	n	---	2.2E+01	n	---	6.0E+04	n	---	7.8E+03	n	---	---
Glycidylaldehyde	765-34-4	9.8E-03	n	---	9.8E-01	n	---	1.4E+04	n	---	1.9E+03	n	---	2.9E-02	n	---	2.9E+00	n	---	2.0E+04	n	---	2.6E+03	n	---	---
Glyphosate	1071-83-6	7.0E-01	m	---	7.0E+01	m	---	---	---	---	---	---	---	7.0E-01	m	---	7.0E+01	m	---	---	---	---	---	---	---	---
Heptachlor	76-44-8	4.0E-04	m	---	4.0E-02	m	---	6.3E+00	c	> S	8.1E-01	c	> S	4.0E-04	m	---	4.0E-02	m	---	1.1E+01	c	> S	1.4E+00	c	> S	---

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Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Heptachlor epoxide	1024-57-3	2.0E-04	m	---	2.0E-02	m	---	1.2E+02	c	> S	1.5E+01	c	> S	2.0E-04	m	---	2.0E-02	m	---	2.0E+02	c	> S	2.6E+01	c	> S	---
Heptane, n-	142-82-5	1.5E+00	n	---	1.5E+02	n	> S	1.7E+03	n	> S	2.2E+02	n	> S	4.4E+00	n	> S	4.4E+02	n	> S	2.4E+03	n	> S	3.1E+02	n	> S	---
Heptanoic acid, n-	111-14-8	1.2E+01	n	---	1.2E+03	n	---	1.7E+04	n	> S	2.1E+03	n	> S	3.7E+01	n	---	3.7E+03	n	> S	2.3E+04	n	> S	3.0E+03	n	> S	---
Hexachlorobenzene	118-74-1	1.0E-03	m	---	1.0E-01	m	> S	5.7E+00	c	> S	7.4E-01	c	> S	1.0E-03	m	---	1.0E-01	m	> S	9.6E+00	c	> S	1.2E+00	c	> S	---
Hexachlorobutadiene	87-68-3	4.9E-03	n	---	4.9E-01	n	---	8.9E+00	c	> S	1.1E+00	c	---	1.5E-02	n	---	1.5E+00	n	---	1.5E+01	c	> S	1.9E+00	c	---	---
Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	1.4E-04	c	---	1.4E-02	c	---	1.5E+02	c	> S	2.0E+01	c	> S	3.2E-04	c	---	3.2E-02	c	---	2.6E+02	c	> S	3.3E+01	c	> S	---
Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	5.1E-04	c	---	5.1E-02	c	---	1.1E+03	c	> S	1.5E+02	c	> S	1.1E-03	c	---	1.1E-01	c	---	1.9E+03	c	> S	2.5E+02	c	> S	---
Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	5.1E-04	c	---	5.1E-02	c	---	3.6E+02	c	> S	4.7E+01	c	> S	1.1E-03	c	---	1.1E-01	c	---	6.1E+02	c	> S	7.9E+01	c	> S	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	2.0E-04	m	---	2.0E-02	m	---	8.3E+03	n	> S	1.1E+03	n	> S	2.0E-04	m	---	2.0E-02	m	---	1.2E+04	n	> S	1.5E+03	n	> S	---
Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	5.1E-04	c	---	5.1E-02	c	---	9.9E+02	c	> S	1.3E+02	c	> S	1.1E-03	c	---	1.1E-01	c	---	1.7E+03	c	> S	2.2E+02	c	> S	---
Hexachlorocyclopentadiene (HCCPD)	77-47-4	5.0E-02	m	---	5.0E+00	m	> S	5.4E+00	n	> S	7.0E-01	n	---	5.0E-02	m	---	5.0E+00	m	> S	7.6E+00	n	> S	9.8E-01	n	---	---
Hexachloroethane	67-72-1	2.4E-02	n	---	2.4E+00	n	---	1.4E+03	c	> S	1.8E+02	c	> S	7.3E-02	n	---	7.3E+00	n	---	2.4E+03	c	> S	3.1E+02	c	> S	---
Hexachlorophene	70-30-4	7.3E-03	n	> S	7.3E-01	n	> S	---	---	---	---	---	---	2.2E-02	n	> S	2.2E+00	n	> S	---	---	---	---	---	---	---
Hexachloropropylene	1888-71-7	2.4E-02	n	---	2.4E+00	n	---	4.2E+02	c	> S	5.4E+01	c	> S	7.3E-02	n	---	7.3E+00	n	---	7.0E+02	c	> S	9.1E+01	c	> S	---
Hexane, n-	110-54-3	1.5E+00	n	---	1.5E+02	n	> S	1.1E+01	n	---	1.5E+00	n	---	4.4E+00	n	---	4.4E+02	n	> S	1.6E+01	n	> S	2.1E+00	n	< GW Ing	---
Hexanediol, 1,6-	629-11-8	1.2E+02	n	---	1.2E+04	n	---	1.0E+06	n	> S	1.0E+06	n	> S	3.7E+02	n	---	3.7E+04	n	> S	1.0E+06	n	> S	1.0E+06	n	> S	---
Hexanoic acid	142-62-1	1.2E+01	n	---	1.2E+03	n	---	2.1E+04	n	> S	2.7E+03	n	---	3.7E+01	n	---	3.7E+03	n	---	3.0E+04	n	> S	3.8E+03	n	---	---
Hexanone, 2-	591-78-6	1.5E+00	n	---	1.5E+02	n	---	1.5E+03	n	---	2.0E+02	n	---	4.4E+00	n	---	4.4E+02	n	---	2.1E+03	n	---	2.8E+02	n	---	---
Hexazinone	51235-04-2	8.1E-01	n	---	8.1E+01	n	---	2.6E+05	n	> S	8.6E+04	n	> S	2.4E+00	n	---	2.4E+02	n	---	3.6E+05	n	> S	1.2E+05	n	> S	---
Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	7.3E+00	n	---	7.3E+02	n	---	3.9E+03	n	---	5.1E+02	n	---	2.2E+01	n	---	2.2E+03	n	---	5.5E+03	n	---	7.1E+02	n	---	---
Hydrazine	302-01-2	3.0E-04	c	---	3.0E-02	c	---	5.1E+01	c	---	6.7E+00	c	---	6.8E-04	c	---	6.8E-02	c	---	8.6E+01	c	---	1.1E+01	c	---	---
Hydrogen chloride (hydrochloric acid)*	7647-01-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	95-13-6	4.9E-01	n	---	4.9E+01	n	---	2.7E+02	n	---	3.5E+01	n	---	1.5E+00	n	---	1.5E+02	n	---	3.8E+02	n	---	5.0E+01	n	---	---
Indeno-1,2,3-cd-pyrene	193-39-5	1.3E-03	c	---	1.3E-01	c	> S	9.4E+03	c	> S	1.2E+03	c	> S	2.8E-03	c	---	2.8E-01	c	> S	1.6E+04	c	> S	2.0E+03	c	> S	---
Iron*	7439-89-6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.0E-01
Isobutyl alcohol	78-83-1	7.3E+00	n	---	7.3E+02	n	---	2.8E+05	n	> S	3.6E+04	n	---	2.2E+01	n	---	2.2E+03	n	---	3.9E+05	n	> S	5.0E+04	n	---	---
Isobutylene (2-methyl-1-propene)	115-11-7	---	---	---	---	---	---	2.2E+03	n	---	2.9E+02	n	---	---	---	---	---	---	---	3.1E+03	n	---	4.0E+02	n	---	---
Isobutyric acid (2-methylpropanoic acid)	79-31-2	1.2E+01	n	---	1.2E+03	n	---	1.5E+04	n	---	1.9E+03	n	---	3.7E+01	n	---	3.7E+03	n	---	2.1E+04	n	---	2.7E+03	n	---	---
Isodrin	465-73-6	5.4E-06	c	---	5.4E-04	c	---	3.4E-02	c	> S	4.4E-03	c	---	1.2E-05	c	---	1.2E-03	c	---	5.7E-02	c	> S	7.4E-03	c	---	---
Isophorone	78-59-1	9.6E-01	c	---	9.6E+01	c	---	1.0E+05	n	> S	1.3E+04	n	> S	2.2E+00	c	---	2.2E+02	c	---	1.4E+05	n	> S	1.9E+04	n	> S	---
Isopropyl acetate	108-21-4	1.7E+00	n	---	1.7E+02	n	---	---	---	---	---	---	---	5.1E+00	n	---	5.1E+02	n	---	---	---	---	---	---	---	---
Isopropyl alcohol	67-63-0	4.9E+00	n	---	4.9E+02	n	---	1.0E+06	n	> S	1.9E+05	n	---	1.5E+01	n	---	1.5E+03	n	---	1.0E+06	n	> S	2.7E+05	n	> S	---
Isosafrole	120-58-1	4.1E-03	c	---	4.1E-01	c	---	4.3E+02	c	> S	5.5E+01	c	---	9.3E-03	c	---	9.3E-01	c	---	7.2E+02	c	> S	9.3E+01	c	---	---
Kelthane (dicofol)	115-32-2	1.5E-01	n	---	1.5E+01	n	> S	---	---	---	---	---	---	4.4E-01	n	---	4.4E+01	n	> S	---	---	---	---	---	---	---
Kepone (chlordecone)	143-50-0	5.7E-05	c	---	5.7E-03	c	---	2.4E+02	c	> S	3.0E+01	c	> S	1.3E-04	c	---	1.3E-02	c	---	4.0E+02	c	> S	5.1E+01	c	> S	---
Lead (inorganic)	7439-92-1	1.5E-02	a	---	1.5E+00	a	---	---	---	---	---	---	---	1.5E-02	a	---	1.5E+00	a	---	---	---	---	---	---	---	---
Limonene, d-*	5989-27-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium	7439-93-2	4.9E-01	n	---	4.9E+01	n	---	---	---	---	---	---	---	1.5E+00	n	---	1.5E+02	n	---	---	---	---	---	---	---	---
Magnesium*	7439-95-4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	121-75-5	4.9E-01	n	---	4.9E+01	n	---	2.3E+05	n	> S	3.0E+04	n	> S	1.5E+00	n	---	1.5E+02	n	> S	3.2E+05	n	> S	4.2E+04	n	> S	---
Maleic anhydride	108-31-6	2.4E+00	n	---	2.4E+02	n	---	1.6E+04	n	> S	2.0E+03	n	> S	7.3E+00	n	---	7.3E+02	n	---	2.2E+04	n	> S	2.8E+03	n	> S	---
Maleic hydrazide	123-33-1	1.2E+01	n	---	1.2E+03	n	---	1.0E+06	n	> S	1.0E+06	n	> S	3.7E+01	n	---	3.7E+03	n	---	1.0E+06	n	> S	1.0E+06	n	> S	---
Malononitrile	109-77-3	4.9E-04	n	---	4.9E-02	n	---	1.5E+05	n	---	1.9E+04	n	---	1.5E-03	n	---	1.5E-01	n	---	2.1E+05	n	---	2.7E+04	n	---	---
Mancozeb	8018-01-7	7.3E-01	n	---	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	---	2.2E+02	n	> S	---	---	---	---	---	---	---
Manganese	7439-96-5	1.1E+00	n	---	1.1E+02	n	---	---	---	---	---	---	---	1.0E+01	n	---	1.0E+03	n	---	---	---	---	---	---	---	5.0E-02
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	94-74-6	1.2E-02	n	---	1.2E+00	n	---	---	---	---	---	---	---	3.7E-02	n	---	3.7E+00	n	---	---	---	---	---	---	---	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0/ 93-65-2	2.4E-02	n	---	2.4E+00	n	---	---	---	---	---	---	---	7.3E-02	n	---	7.3E+00	n	---	---	---	---	---	---	---	---
Merphos	150-50-5	7.3E-04	n	---	7.3E-02	n	> S	---	---	---	---	---	---	2.2E-03	n	---	2.2E-01	n	> S	---	---	---	---	---	---	---
Mercury	7439-97-6/ 7487-94-7	2.0E-03	m	---	2.0E-01	m	> S	7.3E+00	n	> S	9.4E-01	n	> S	2.0E-03	m	---	2.0E-01	m	> S	1.0E+01	n	> S	1.3E+00	n	> S	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	2.4E-01	n	---	2.4E+01	n	---	1.2E+05	n	> S	1.6E+04	n	---	7.3E-01	n	---	7.3E+01	n	---	1.7E+05	n	> S	2.2E+04	n	---	---
Methacrylonitrile	126-98-7	2.4E-03	n	---	2.4E-01	n	---	1.0E+03	n	---	1.3E+02	n	---	7.3E-03	n	---	7.3E-01	n	---	1.4E+03	n	---	1.8E+02	n	---	---
Methanol	67-56-1	1.2E+01	n	---	1.2E+03	n	---	6.1E+05	n	---	7.9E+04	n	---	3.7E+01	n	---	3.7E+03	n	---	8.6E+05	n	---	1.1E+05	n	---	---
Methapyrilene	91-80-5	1.9E-04	c	---	1.9E-02	c	---	1.2E+04	n	---	1.5E+03	n	---	4.3E-04	c	---	4.3E-02	c	---	1.6E+04	n	---	2.1E+03	n	---	---
Methomyl	16752-77-5	6.1E-01	n	---	6.1E+01	n	---	7.1E+04	n	> S	9.5E+03	n	---	1.8E+00	n	---	1.8E+02	n	---	1.0E+05	n	> S	1.3E+04	n	---	---
Methoxychlor	72-43-5	4.0E-02	m	---	4.0E+00	m	> S	3.5E+04	n	> S	4.5E+03	n	> S	4.0E-02	m	---	4.0E+00	m	> S	4.8E+04	n	> S	6.3E+03	n	> S	---
Methoxyethanol, 2-	109-86-4	---	---	---	---	---	---	8.1E+01	n	---	1.1E+01	n	---	---	---	---	---	---	---	1.1E+02	n	---	1.5E+01	n	---	---
Methyl acetate (acetic acid, methyl ester)	79-20-9	2.4E+01	n	---	2.4E+03	n	---	1.3E+05	n	---	1.7E+04	n	---	7.3E+01	n	---	7.3E+03	n	---	1.9E+05	n	> S	2.4E+04	n	---	---
Methyl acrylate	96-33-3	4.9E-02	n	---	4.9E+00	n	---	9.3E+02	n	---	1.2E+02	n	---	1.5E-01	n	---	1.5E+01	n	---	1.3E+03	n	---	1.7E+02	n	---	---
Methyl amyl ketone (2-heptanone)	110-43-0	1.2E+00	n	---	1.2E+02	n	---	9.1E+04	n	> S	1.2E+04	n	> S	3.7E+00	n	---	3.7E+02	n	---	1.3E+05	n	> S	1.6E+04	n	> S	---
Methyl-1-butene, 2-	563-46-2	1.5E+00	n	---	1.5E+02	n	> S	7.8E+03	n	> S	1.0E+03	n	> S	4.4E+00	n	---	4.4E+02	n	> S	1.1E+04	n	> S	1.4E+03	n	> S	---
Methyl-2-butene, 2-	513-35-9	1.5E+00	n	---	1.5E+02	n	---	1.5E+04	n	> S	1.9E+03	n	> S	4.4E+00	n	---	4.4E+02	n	> S	2.1E+04	n	> S	2.7E+03	n	> S	---
Methylcholanthrene, 3-	56-49-5	4.1E-05	c	---	4.1E-03	c	> S	4.1E+02	c	> S	5.4E+01	c	> S	9.3E-05	c	---	9.3E-03	c	> S	7.0E+02	c	> S	9.0E+01	c	> S	---
Methyl chrysene, 1-	3351-28-8	1.3E-01	c	> S	1.3E+01	c	> S	8.0E+05	c	> S	1.0E+05	c	> S	2.8E-01	c	> S	2.8E+01	c	> S	1.0E+06	c	> S	1.7E+05	c	> S	---
Methyl chrysene, 2-	3351-32-4	1.3E-01	c	> S	1.3E+01	c	> S	8.0E+05	c	> S	1.0E+05	c	> S	2.8E-01	c	> S	2.8E+01	c	> S	1.0E+06	c	> S	1.7E+05	c	> S	---
Methyl chrysene, 6-	1705-85-7	1.3E-02	c	> S	1.3E+00	c	> S	8.0E+04	c	> S	1.0E+04	c	> S	2.8E-02	c	> S	2.8E+00	c	> S	1.3E+05	c	> S	1.7E+04	c	> S	---
Methyl cyclohexane	108-87-2	1.2E+02	n	> S	1.2E+04	n	> S	1.4E+03	n	> S	1.8E+02	n	> S	3.7E+02	n	> S	3.7E+04	n	> S	2.0E+03	n	> S	2.6E+02	n	< GW Ing	---
Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	7.0E-03	c	---	7.0E-01	c	---	2.0E+04	c	> S	2.6E+03	c	> S	1.6E-02	c	---	1.6E+00	c	---	3.3E+04	c	> S	4.3E+03	c	> S	---
Methylene bromide (dibromomethane)	74-95-3	1.2E-01	c	---	1.2E+01	c	---	7.9E+02	n	---	1.0E+02	n	---	2.7E-01	c	---	2.7E+01	c	---	1.1E+03	n	---	1.4E+02	n	---	---
Methylene chloride (dichloromethane)	75-09-2	5.0E-03	m	---	5.0E-01	m	---	1.3E+03	c	---	1.6E+02	c	---	5.0E-03	m	---	5.0E-01	m	---	2.1E+03	c	---	2.8E+02	c	---	---
Methyl ethyl ketone (2-butanone)	78-93-3	1.5E+01	n	---	1.5E+03	n	---	1.0E+06	n	> S	3.5E+05	n	> S	4.4E+01	n	---	4.4E+03	n	---	1.0E+06	n	> S	4.9E+05	n	> S	---
Methyl iodide (iodomethane)	74-88-4	3.4E-02	n	---	3.4E+00	n	---	1.7E+02	n	---	2.2E+01	n	---	1.0E-01	n	---	1.0E+01	n	---	2.4E+02	n	---	3.1E+01	n	---	---
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	2.0E+00	n	---	2.0E+02	n	---	6.7E+05	n	> S	8.7E+04	n	> S	5.8E+00	n	---	5.8E+02	n	---	9.4E+05	n	> S	1.2E+05	n	> S	---
Methyl mercury	22967-92-6	2.4E-03	n	---	2.4E-01	n	---	---	---	---	---	---	---	7.3E-03	n	---	7.3E-01	n	---	---	---	---	---	---	---	---
Methylmecury hydroxide	1184-57-2	2.4E-03	n	---	2.4E-01	n	---	1.5E+02	n	---	2.0E+01	n	---	7.3E-03	n	---	7.3E-01	n	---	2.0E+02	n	---	2.9E+01	n	---	---
Methyl methacrylate	80-62-6	3.4E+01	n	---	3.4E+03	n	---	7.9E+04	n	> S	1.0E+04	n	---	1.0E+02	n	---	1.0E+04	n	---	1.1E+05	n	> S	1.4E+04	n	---	---
Methyl methanesulfonate	66-27-3	9.2E-03	c	---	9.2E-01	c	---	1.7E+04	c	---	2.2E+03	c	---	2.1E-02	c	---	2.1E+00	c	---	2.8E+04	c	---	3.7E+03	c	---	---
Methylnaphthalene, 1-	90-12-0	1.7E+00	n	---	1.7E+02	n	> S	---	---	---	---	---	---	5.1E+00	n	---	5.1E+02	n	> S	---	---	---	---	---	---	---
Methylnaphthalene, 2-	91-57-6	9.8E-02	n	---	9.8E+00	n	---	---	---	---	---	---	---	2.9E-01	n	---	2.9E+01	n	> S	---	---	---	---	---	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	2.8E-02	c	---	2.8E+00	c	---	---	---	---	---	---	---	6.2E-02	c	---	6.2E+00	c	---	---	---	---	---	---	---	---
Methyl parathion	298-00-0	6.1E-03	n	---	6.1E-01	n	---	4.5E+03	n	> S	5.8E+02	n	> S	1.8E-02	n	---	1.8E+00	n	---	6.3E+03	n	> S	8.1E+02	n	> S	---
Methyl-2-pentenal, 2-	623-36-9	4.8E-04	c	---	4.8E-02	c	---	7.2E+02	n	---	9.3E+01	n	---	1.1E-03	c	---	1.1E-01	c	---	1.0E+03	n	---	1.3E+02	n	---	---
Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	9.8E-01	n	---	9.8E+01	n	---	4.5E+04	n	---	5.8E+03	n	---	2.9E+00	n	---	2.9E+02	n	---	6.2E+04	n	> S	8.1E+03	n	---	---
Methylpyrrolidone, N-	872-50-4	4.9E-01	n	---	4.9E+01	n	---	1.0E+06	n	---	2.3E+05	n	---	1.5E+00	n	---	1.5E+02	n	---	1.0E+06	n	---	3.3E+05	n	---	---
Methyltetrahydrofuran, 2-	96-47-9	1.2E-01	c	---	1.2E+01	c	---	1.8E+03	c	---	2.3E+02	c	---	2.7E-01	c	---	2.7E+01	c	---	3.1E+03	c	---	3.9E+02	c	---	---
Methyltetrahydropyran, 2-	10141-72-7	1.2E-01	c	---	1.2E+01	c	---	2.1E+03	c	---	2.7E+02	c	---	2.7E-01	c	---	2.7E+01	c	---	3.6E+03	c	---	4.6E+02	c	---	---
Metolachlor	51218-45-2	3.7E+00	n	---	3.7E+02	n	---	---	---	---	---	---	---	1.1E+01	n	---	1.1E+03	n	> S	---	---	---	---	---	---	---
Metribuzin	21087-64-9	6.1E-01	n	---	6.1E+01	n	---	---	---	---	---	---	---	1.8E+00	n	---	1.8E+02	n	---	---	---	---	---	---	---	---
Mirex	2385-85-5	4.9E-03	n	> S	4.9E-01	n	> S	---	---	---	---	---	---	1.5E-02	n	> S	1.5E+00	n	> S	---	---	---	---	---	---	---
Molinate	2212-67-1	4.9E-02	n	---	4.9E+00	n	---	---	---	---	---	---	---	1.5E-01	n	---	1.5E+01	n	---	---	---	---	---	---	---	---
Molybdenum	7439-98-7	1.2E-01	n	---	1.2E+01	n	---	---	---	---	---	---	---	3.7E-01	n	---	3.7E+01	n	---	---	---	---	---	---	---	---
Morpholine	110-91-8	1.2E+04	n	---	1.0E+06	n	---	2.1E+04	n	---	2.7E+03	n	< GW Ing	3.7E+04	n	---	1.0E+06	n	---	2.9E+04	n	< GW Ing	3.7E+03	n	< GW Ing	---
MTBE (methyl tert-butyl ether)[7]	1634-04-4	2.4E-01	n	---	2.4E+01	n	---	4.0E+03	c	---	5.2E+02	c	---	7.3E-01	n	---	7.3E+01	n	---	6.8E+03	c	---	8.8E+02	c	---	1.5E-02
Naled	300-76-5	4.9E-02	n	---	4.9E+00	n	> S	2.2E+03	n	> S	2.8E+02	n	> S	1.5E-01	n	---	1.5E+01	n	> S	3.0E+03	n	> S	3.9E+02	n	> S	---
Naphthalene	91-20-3	4.9E-01	n	---	4.9E+01	n	> S	3.2E+02	n	> S	4.1E+01	n	> S	1.5E+00	n	---	1.5E+02	n	> S	4.4E+02	n	> S	5.7E+01	n	> S	---
Naphthoquinone, 1,4-	130-15-4	1.7E-01	n	---	1.7E+01	n	---	1.6E+03	n	> S	2.1E+02	n	---	5.1E-01	n	---	5.1E+01	n	---	2.3E+03	n	> S	2.9E+02	n	> S	---
Naphthylamine, 1-	134-32-7	4.9E-01	n	---	4.9E+01	n	---	---	---	---	---	---	---	1.5E+00	n	---	1.5E+02	n	---	---	---	---	---	---	---	---
Naphthylamine, 2-	91-59-8	5.1E-04	c	---	5.1E-02	c	---	---	---	---	---	---	---	1.1E-03	c	---	1.1E-01	c	---	---	---	---	---	---	---	---
Napropamide	15299-99-7	2.4E+00	n	---	2.4E+02	n	> S	---	---	---	---	---	---	7.3E+00	n	---	7.3E+02	n	> S	---	---	---	---	---	---	---
Neopentyl glycol	126-30-7	7.3E+00	n	---	7.3E+02	n	---	---	---	---	---	---	---	2.2E+01	n	---	2.2E+03	n	---	---	---	---	---	---	---	---
Nickel and compounds	7440-02-0	4.9E-01	n	---	4.9E+01	n	---	---	---	---	---	---	---	1.5E+00	n	---	1.5E+02	n	---	---	---	---	---	---	---	---

Table 3

Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5] (mg/L)
		$^{GW}GW_{Ing}$[2] (mg/L)	note[4]		$^{GW}GW_{Class\ 3}$[3] (mg/L)	note[4]		$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	note[4]		$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	note[4]		$^{GW}GW_{Ing}$[2] (mg/L)	note[4]		$^{GW}GW_{Class\ 3}$[3] (mg/L)	note[4]		$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	note[4]		$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	note[4]		
Nitrate	14797-55-8	1.0E+01	m	---	1.0E+03	m	---	---	---	---	---	---	---	1.0E+01	m	---	1.0E+03	m	---	---	---	---	---	---	---	---
Nitrite	14797-65-0	1.0E+00	m	---	1.0E+02	m	---	---	---	---	---	---	---	1.0E+00	m	---	1.0E+02	m	---	---	---	---	---	---	---	---
Nitroaniline, 2-	88-74-4	7.3E-03	n	---	7.3E-01	n	---	4.0E+03	n	> S	5.2E+02	n	---	2.2E-02	n	---	2.2E+00	n	---	5.6E+03	n	> S	7.2E+02	n	---	---
Nitroaniline, 3-	99-09-2	7.3E-03	n	---	7.3E-01	n	---	7.1E+04	n	> S	9.2E+03	n	> S	2.2E-02	n	---	2.2E+00	n	---	1.0E+05	n	> S	1.3E+04	n	> S	---
Nitroaniline, 4-	100-01-6	2.4E-02	c	---	2.4E+00	c	---	7.1E+04	n	> S	9.3E+03	n	> S	5.4E-02	c	---	5.4E+00	c	---	1.0E+05	n	> S	1.3E+04	n	> S	---
Nitrobenzene	98-95-3	1.2E-02	n	---	1.2E+00	n	---	6.2E+03	n	> S	8.0E+02	n	---	3.7E-02	n	---	3.7E+00	n	---	8.7E+03	n	> S	1.1E+03	n	---	---
Nitroglycerin	55-63-0	1.7E-03	n	---	1.7E-01	n	---	---	---	---	---	---	---	5.1E-03	n	---	5.1E-01	n	---	---	---	---	---	---	---	---
Nitrophenol, 2-	88-75-5	4.9E-02	n	---	4.9E+00	n	---	6.7E+04	n	> S	8.7E+03	n	---	1.5E-01	n	---	1.5E+01	n	---	9.4E+04	n	> S	1.2E+04	n	---	---
Nitrophenol, 3-	554-84-7	4.9E-02	n	---	4.9E+00	n	---	3.1E+05	n	> S	2.3E+05	n	> S	1.5E-01	n	---	1.5E+01	n	---	4.4E+05	n	> S	3.2E+05	n	> S	---
Nitrophenol, 4-	100-02-7	4.9E-02	n	---	4.9E+00	n	---	2.4E+04	n	> S	3.1E+03	n	---	1.5E-01	n	---	1.5E+01	n	---	3.3E+04	n	> S	4.3E+03	n	---	---
Nitropropane, 2-	79-46-9	---	---	---	---	---	---	1.7E+00	c	---	2.2E-01	c	---	---	---	---	---	---	---	2.9E+00	c	---	3.8E-01	c	---	---
Nitroquinoline-N-oxide, 4-	56-57-5	9.7E-05	c	---	9.7E-03	c	---	1.1E+04	c	---	1.1E+04	c	---	2.2E-04	c	---	2.2E-02	c	---	1.9E+04	c	---	1.8E+04	c	---	---
Nitrosodiethanolamine, N-	1116-54-7	3.3E-04	c	---	3.3E-02	c	---	---	---	---	---	---	---	7.3E-04	c	---	7.3E-02	c	---	---	---	---	---	---	---	---
Nitrosodiethylamine, N-	55-18-5	6.1E-06	c	---	6.1E-04	c	---	7.4E+00	c	---	9.5E-01	c	---	1.4E-05	c	---	1.4E-03	c	---	1.2E+01	c	---	1.6E+00	c	---	---
Nitrosodimethylamine, N-	62-75-9	1.8E-05	c	---	1.8E-03	c	---	2.0E+01	c	---	2.6E+00	c	---	4.0E-05	c	---	4.0E-03	c	---	3.4E+01	c	---	4.4E+00	c	---	---
Nitrosodi-n-butylamine, N-	924-16-3	1.7E-04	c	---	1.7E-02	c	---	4.7E+00	c	---	6.1E-01	c	---	3.8E-04	c	---	3.8E-02	c	---	7.9E+00	c	---	1.0E+00	c	---	---
Nitrosodi-n-propylamine, N-	621-64-7	1.3E-04	c	---	1.3E-02	c	---	---	---	---	---	---	---	2.9E-04	c	---	2.9E-02	c	---	---	---	---	---	---	---	---
Nitrosodiphenylamine, N-	86-30-6	1.9E-01	c	---	1.9E+01	c	---	---	---	---	---	---	---	4.2E-01	c	---	4.2E+01	c	> S	---	---	---	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	10595-95-6	4.1E-05	c	---	4.1E-03	c	---	---	---	---	---	---	---	9.3E-05	c	---	9.3E-03	c	---	---	---	---	---	---	---	---
Nitrosomorpholine, N-	59-89-2	1.4E-04	c	---	1.4E-02	c	---	2.7E+02	c	---	3.6E+01	c	---	3.1E-04	c	---	3.1E-02	c	---	4.6E+02	c	---	6.0E+01	c	---	---
Nitroso-N-ethylurea, N-	759-73-9	6.5E-06	c	---	6.5E-04	c	---	---	---	---	---	---	---	1.5E-05	c	---	1.5E-03	c	---	---	---	---	---	---	---	---
Nitrosopiperidine, N-	100-75-4	9.7E-05	c	---	9.7E-03	c	---	1.6E+02	c	---	2.1E+01	c	---	2.2E-04	c	---	2.2E-02	c	---	2.8E+02	c	---	3.6E+01	c	---	---
Nitrosopyrrolidine, N-	930-55-2	4.3E-04	c	---	4.3E-02	c	---	9.6E+02	c	---	1.2E+02	c	---	9.7E-04	c	---	9.7E-02	c	---	1.6E+03	c	---	2.1E+02	c	---	---
Nitrotoluene, m-	99-08-1	2.4E-01	n	---	2.4E+01	n	---	6.6E+03	n	> S	8.5E+02	n	> S	7.3E-01	n	---	7.3E+01	n	---	9.2E+03	n	> S	1.2E+03	n	> S	---
Nitrotoluene, o-	88-72-2	2.4E-01	n	---	2.4E+01	n	---	7.7E+03	n	> S	1.0E+03	n	> S	7.3E-01	n	---	7.3E+01	n	---	1.1E+04	n	> S	1.4E+03	n	> S	---
Nitrotoluene, p-	99-99-0	2.4E-01	n	---	2.4E+01	n	---	6.5E+03	n	> S	8.4E+02	n	> S	7.3E-01	n	---	7.3E+01	n	---	9.1E+03	n	> S	1.2E+03	n	> S	---
Nonachlor, cis-	5103-73-1	2.6E-03	c	---	2.6E-01	c	> S	7.7E+02	c	> S	9.9E+01	c	> S	5.8E-03	c	---	5.8E-01	c	> S	1.3E+03	c	> S	1.7E+02	c	> S	---
Nonachlor, trans-	39765-80-5	2.6E-03	c	---	2.6E-01	c	> S	7.7E+02	c	> S	9.9E+01	c	> S	5.8E-03	c	---	5.8E-01	c	> S	1.3E+03	c	> S	1.7E+02	c	> S	---
Nonanal	124-19-6	4.9E+00	n	---	4.9E+02	n	> S	---	---	---	---	---	---	1.5E+01	n	---	1.5E+03	n	> S	---	---	---	---	---	---	---
Nonylphenol	25154-52-3/ 84852-15-3/ 104-40-5	1.2E+00	n	> S	1.2E+02	n	> S	6.8E+05	n	> S	8.8E+04	n	> S	3.7E+00	n	> S	3.7E+02	n	> S	9.5E+05	n	> S	1.2E+05	n	> S	---
Octamethylpyrophosphoramide	152-16-9	4.9E-02	n	---	4.9E+00	n	---	---	---	---	---	---	---	1.5E-01	n	---	1.5E+01	n	---	---	---	---	---	---	---	---
Octanone	106-68-3	1.5E+00	n	---	1.5E+02	n	---	1.0E+06	n	> S	6.2E+05	n	> S	4.4E+00	n	---	4.4E+02	n	---	1.0E+06	n	> S	8.7E+05	n	> S	---
Oxamyl	23135-22-0	2.0E-01	m	---	2.0E+01	m	---	---	---	---	---	---	---	2.0E-01	m	---	2.0E+01	m	---	---	---	---	---	---	---	---
Oxychlordane	27304-13-8	2.6E-03	c	---	2.6E-01	c	> S	7.7E+02	c	> S	9.9E+01	c	> S	5.8E-03	c	---	5.8E-01	c	> S	1.3E+03	c	> S	1.7E+02	c	> S	---
Paraquat	1910-42-5	1.1E-01	n	---	1.1E+01	n	---	---	---	---	---	---	---	3.3E-01	n	---	3.3E+01	n	---	---	---	---	---	---	---	---
Parathion (ethyl parathion)	56-38-2	1.5E-01	n	---	1.5E+01	n	> S	1.5E+03	n	> S	1.9E+02	n	> S	4.4E-01	n	---	4.4E+01	n	> S	2.1E+03	n	> S	2.7E+02	n	> S	---
Pebulate	1114-71-2	1.2E+00	n	---	1.2E+02	n	> S	---	---	---	---	---	---	3.7E+00	n	---	3.7E+02	n	> S	---	---	---	---	---	---	---
Pendimethalin	40487-42-1	9.8E-01	n	> S	9.8E+01	n	> S	---	---	---	---	---	---	2.9E+00	n	> S	2.9E+02	n	> S	---	---	---	---	---	---	---
Pentachlorobenzene	608-93-5	2.0E-02	n	---	2.0E+00	n	> S	7.7E+03	n	> S	1.0E+03	n	> S	5.8E-02	n	---	5.8E+00	n	> S	1.1E+04	n	> S	1.4E+03	n	> S	---
Pentachloroethane	76-01-7	3.5E-02	c	---	3.5E+00	c	---	3.0E+02	c	---	3.8E+01	c	---	7.9E-02	c	---	7.9E+00	c	---	5.0E+02	c	---	6.4E+01	c	---	---
Pentachloronitrobenzene	82-68-8	3.5E-03	c	---	3.5E-01	c	> S	1.2E+02	n	> S	1.6E+01	n	> S	7.9E-03	c	---	7.9E-01	c	> S	1.7E+02	n	> S	2.2E+01	n	> S	---
Pentachlorophenol	87-86-5	1.0E-03	m	---	1.0E-01	m	---	1.3E+04	n	> S	1.7E+03	n	> S	1.0E-03	m	---	1.0E-01	m	---	1.9E+04	n	> S	2.4E+03	n	> S	---
Pentadiene, 1,3-trans-	2004-70-8	1.5E+00	n	---	1.5E+02	n	---	7.6E+04	n	> S	9.8E+03	n	> S	4.4E+00	n	---	4.4E+02	n	---	1.1E+05	n	> S	1.4E+04	n	> S	---
Pentaerythritol tetranitrate (PETN)	78-11-5	9.8E+00	n	---	9.8E+02	n	> S	---	---	---	---	---	---	2.9E+01	n	> S	2.9E+03	n	> S	---	---	---	---	---	---	---
Pentane	109-66-0	1.7E+01	n	---	1.7E+03	n	> S	5.0E+00	n	< GW Ing	6.4E-01	n	< GW Ing	5.1E+01	n	> S	5.1E+03	n	> S	7.0E+00	n	< GW Ing	9.0E-01	n	< GW Ing	---
Pentanediol, 1,5-	111-29-5	1.2E+02	n	---	1.2E+04	n	---	1.0E+06	n	> S	1.0E+06	n	> S	3.7E+02	n	---	3.7E+04	n	---	1.0E+06	n	> S	1.0E+06	n	> S	---
Pentanone, 2-	107-87-9	9.8E-01	n	---	9.8E+01	n	---	2.2E+05	n	> S	2.9E+04	n	---	2.9E+00	n	---	2.9E+02	n	---	3.1E+05	n	> S	4.0E+04	n	---	---
Pentyne, 1-	627-19-0	4.0E-03	n	---	1.5E+02	n	---	7.2E+04	n	> S	9.3E+03	n	> S	4.4E+00	n	---	4.4E+02	n	---	1.0E+05	n	> S	1.3E+04	n	> S	---
Perchlorate[8]	14797-73-0	4.0E-03	n	---	2.4E-01	n	---	---	---	---	---	---	---	7.3E-03	n	---	7.3E-01	n	---	---	---	---	---	---	---	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Perylene	198-55-0	4.9E-01	n	> S	4.9E+01	n	> S	---	---	---	---	---	---	1.5E+00	n	> S	1.5E+02	n	> S	---	---	---	---	---	---	---
Phenacetin	62-44-2	4.1E-01	c	---	4.1E+01	c	---	1.0E+06	c	> S	1.5E+05	c	> S	9.3E-01	c	---	9.3E+01	c	---	1.0E+06	c	> S	2.5E+05	c	> S	---
Phenanthrene	85-01-8	7.3E-01	n	---	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	> S	2.2E+02	n	> S	---	---	---	---	---	---	---
Phenanthridine	229-87-8	7.3E-02	n	---	7.3E+00	n	---	---	---	---	---	---	---	2.2E-01	n	---	2.2E+01	n	---	---	---	---	---	---	---	---
Phenol	108-95-2	7.3E+00	n	---	7.3E+02	n	---	2.8E+05	n	> S	3.6E+04	n	---	2.2E+01	n	---	2.2E+03	n	---	3.9E+05	n	> S	5.0E+04	n	---	---
Phenylene diamine, m-	108-45-2	1.5E-01	n	---	1.5E+01	n	---	2.0E+03	n	---	2.6E+02	n	---	4.4E-01	n	---	4.4E+01	n	---	2.8E+03	n	---	3.7E+02	n	---	---
Phenylene diamine, p-	106-50-3	4.6E+00	n	---	4.6E+02	n	---	2.3E+03	n	---	3.0E+02	n	---	1.4E+01	n	---	1.4E+03	n	---	3.2E+03	n	---	4.2E+02	n	---	---
Phenyl mercuric acetate	62-38-4	2.0E-03	n	---	2.0E-01	n	---	---	---	---	---	---	---	5.8E-03	n	---	5.8E-01	n	---	---	---	---	---	---	---	---
Phorate	298-02-2	4.9E-03	n	---	4.9E-01	n	---	9.8E+01	n	> S	1.3E+01	n	---	1.5E-02	n	---	1.5E+00	n	---	1.4E+02	n	> S	1.8E+01	n	---	---
Phosalone	2310-17-0	4.9E-02	n	---	4.9E+00	n	---	---	---	---	---	---	---	1.5E-01	n	---	1.5E+01	n	---	---	---	---	---	---	---	---
Phosdrin (mevinphos)	7786-34-7	6.1E-04	n	---	6.1E-02	n	---	---	---	---	---	---	---	1.8E-03	n	---	1.8E-01	n	---	---	---	---	---	---	---	---
Phosmet	732-11-6	4.9E-01	n	---	4.9E+01	n	---	7.6E+04	n	> S	9.9E+03	n	> S	1.5E+00	n	---	1.5E+02	n	---	1.1E+05	n	> S	1.4E+04	n	> S	---
Phosphine	7803-51-2	7.3E-03	n	---	7.3E-01	n	---	2.9E-03	n	< GW Ing	3.7E-04	n	< GW Ing	2.2E-02	n	---	2.2E+00	n	---	4.0E-03	n	< GW Ing	5.2E-04	n	< GW Ing	---
Phosphorus, total*	7723-14-0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	7723-14-0	4.9E-04	n	---	4.9E-02	n	---	---	---	---	---	---	---	1.5E-03	n	---	1.5E-01	n	---	---	---	---	---	---	---	---
Phthalic anhydride	85-44-9	4.9E+01	n	---	4.9E+03	n	---	1.0E+06	n	> S	4.0E+05	n	> S	1.5E+02	n	---	1.5E+04	n	> S	1.0E+06	n	> S	5.6E+05	n	> S	---
Picloram	1918-02-1	5.0E-01	m	---	5.0E+01	m	---	---	---	---	---	---	---	5.0E-01	m	---	5.0E+01	m	---	---	---	---	---	---	---	---
Picoline, 2- (2-methylpyridine)	109-06-8	2.2E-01	n	---	2.2E+01	n	---	4.9E+02	n	---	6.3E+01	n	---	6.6E-01	n	---	6.6E+01	n	---	6.8E+02	n	---	8.8E+01	n	---	---
Polybrominated biphenyls (PBBs)	67774-32-7	1.0E-04	c	---	1.0E-02	c	---	---	---	---	---	---	---	2.3E-04	c	---	2.3E-02	c	> S	---	---	---	---	---	---	---
Polychlorinated biphenyls (PCBs)	1336-36-3	5.0E-04	m	---	5.0E-02	m	---	2.9E+00	c	> S	3.8E-01	c	> S	5.0E-04	m	---	5.0E-02	m	---	4.9E+00	c	> S	6.4E-01	c	> S	---
Potassium*	7440-09-7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Primene	68955-53-3	1.5E-01	n	---	1.5E+01	n	---	8.5E+02	n	> S	1.1E+02	n	> S	4.4E-01	n	---	4.4E+01	n	---	1.2E+03	n	> S	1.5E+02	n	> S	---
Prometon (pramitol)	1610-18-0	3.7E-01	n	---	3.7E+01	n	---	---	---	---	---	---	---	1.1E+00	n	---	1.1E+02	n	> S	---	---	---	---	---	---	---
Pronamide	23950-58-5	1.8E+00	n	---	1.8E+02	n	> S	---	---	---	---	---	---	5.5E+00	n	---	5.5E+02	n	> S	---	---	---	---	---	---	---
Propanal (propionaldehyde)	123-38-6	2.0E-01	n	---	2.0E+01	n	---	3.7E+04	n	---	4.8E+03	n	---	5.8E-01	n	---	5.8E+01	n	---	5.2E+04	n	---	6.7E+03	n	---	---
Propanil	709-98-8	1.2E-01	n	---	1.2E+01	n	---	---	---	---	---	---	---	3.7E-01	n	---	3.7E+01	n	---	---	---	---	---	---	---	---
Propanoic acid (propionic acid)	79-09-4	1.2E+01	n	---	1.2E+03	n	---	1.5E+04	n	---	1.9E+03	n	---	3.7E+01	n	---	3.7E+03	n	---	2.1E+04	n	---	2.7E+03	n	---	---
Propanol, 1-	71-23-8	4.9E+00	n	---	4.9E+02	n	---	8.5E+05	n	> S	1.1E+05	n	---	1.5E+01	n	---	1.5E+03	n	---	1.0E+06	n	> S	1.5E+05	n	> S	---
Propargite	2312-35-8	4.9E-01	n	---	4.9E+01	n	> S	---	---	---	---	---	---	1.5E+00	n	> S	1.5E+02	n	> S	---	---	---	---	---	---	---
Propargyl alcohol	107-19-7	4.9E-02	n	---	4.9E+00	n	---	3.0E+04	n	---	3.8E+03	n	---	1.5E-01	n	---	1.5E+01	n	---	4.2E+04	n	---	5.4E+03	n	---	---
Propazine	139-40-2	2.1E-02	c	---	2.1E+00	c	---	---	---	---	---	---	---	4.6E-02	c	---	4.6E+00	c	---	---	---	---	---	---	---	---
Propham	122-42-9	4.9E-01	n	---	4.9E+01	n	---	---	---	---	---	---	---	1.5E+00	n	---	1.5E+02	n	---	---	---	---	---	---	---	---
Propionitrile (propane nitrile)	107-12-0	9.8E-03	n	---	9.8E-01	n	---	7.7E+03	n	---	9.9E+02	n	---	2.9E-02	n	---	2.9E+00	n	---	1.1E+04	n	---	1.4E+03	n	---	---
Propyl acetate, n-	109-60-4	2.2E+00	n	---	2.2E+02	n	---	---	---	---	---	---	---	6.6E+00	n	---	6.6E+02	n	---	---	---	---	---	---	---	---
Propylbenzene, n-	103-65-1	9.8E-01	n	---	9.8E+01	n	> S	6.0E+03	n	> S	7.8E+02	n	> S	2.9E+00	n	---	2.9E+02	n	> S	8.5E+03	n	> S	1.1E+03	n	> S	---
Propylene glycol	57-55-6	4.9E+02	n	---	4.9E+04	n	---	1.0E+06	n	> S	3.3E+05	n	> S	1.5E+03	n	---	1.5E+05	n	> S	1.0E+06	n	> S	4.7E+05	n	> S	---
Propylene glycol monomethyl ether	107-98-2	1.7E+01	n	---	1.7E+03	n	---	1.0E+06	n	> S	1.0E+06	n	> S	5.1E+01	n	---	5.1E+03	n	---	1.0E+06	n	> S	1.0E+06	n	> S	---
Propylene oxide	75-56-9	3.8E-03	c	---	3.8E-01	c	---	1.6E+03	c	---	2.0E+02	c	---	8.5E-03	c	---	8.5E-01	c	---	2.7E+03	c	---	3.4E+02	c	---	---
Propylene tetramer	6842-15-5	2.4E+00	n	> S	2.4E+02	n	> S	4.4E+01	n	> S	5.7E+00	n	> S	7.3E+00	n	> S	7.3E+02	n	> S	6.2E+01	n	> S	8.0E+00	n	> S	---
Pyrene	129-00-0	7.3E-01	n	> S	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	> S	2.2E+02	n	> S	---	---	---	---	---	---	---
Pyridine	110-86-1	2.4E-02	n	---	2.4E+00	n	---	2.2E+02	n	---	2.9E+01	n	---	7.3E-02	n	---	7.3E+00	n	---	3.1E+02	n	> S	4.0E+01	n	---	---
Quinoline	91-22-5	3.0E-04	c	---	3.0E-02	c	---	4.3E+03	n	---	5.6E+02	n	---	6.8E-04	c	---	6.8E-02	c	---	6.0E+03	n	---	7.8E+02	n	---	---
Ronnel	299-84-3	1.2E+00	n	---	1.2E+02	n	> S	---	---	---	---	---	---	3.7E+00	n	> S	3.7E+02	n	> S	---	---	---	---	---	---	---
Safrole	94-59-7	4.1E-03	c	---	4.1E-01	c	---	1.9E+02	c	> S	2.4E+01	c	---	9.3E-03	c	---	9.3E-01	c	---	3.2E+02	c	> S	4.1E+01	c	---	---
Selenium	7782-49-2	5.0E-02	m	---	5.0E+00	m	---	---	---	---	---	---	---	5.0E-02	m	---	5.0E+00	m	---	---	---	---	---	---	---	---
Selenourea	630-10-4	1.2E-01	n	---	1.2E+01	n	---	---	---	---	---	---	---	3.7E-01	n	---	3.7E+01	n	---	---	---	---	---	---	---	---
Silver	7440-22-4	1.2E-01	n	---	1.2E+01	n	---	---	---	---	---	---	---	3.7E-01	n	---	3.7E+01	n	---	---	---	---	---	---	---	1.0E-01
Simazine	122-34-9	4.0E-03	m	---	4.0E-01	m	---	---	---	---	---	---	---	4.0E-03	m	---	4.0E-01	m	---	---	---	---	---	---	---	---
Sodium*	7440-23-5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	148-18-5	3.4E-03	c	---	3.4E-01	c	---	---	---	---	---	---	---	7.6E-03	c	---	7.6E-01	c	---	---	---	---	---	---	---	---
Sodium polyacrylate	9003-04-7	1.2E+01	n	---	1.2E+03	n	---	1.5E+04	n	---	2.0E+03	n	---	3.7E+01	n	---	3.7E+03	n	---	2.1E+04	n	---	2.7E+03	n	---	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Strontium	7440-24-6	1.5E+01	n	---	1.5E+03	n	---	---	---	---	---	---	---	4.4E+01	n	---	4.4E+03	n	---	---	---	---	---	---	---	---
Strychnine	57-24-9	7.3E-03	n	---	7.3E-01	n	---	---	---	---	---	---	---	2.2E-02	n	---	2.2E+00	n	---	---	---	---	---	---	---	---
Styrene	100-42-5	1.0E-01	m	---	1.0E+01	m	---	3.2E+04	n	> S	4.2E+03	n	> S	1.0E-01	m	---	1.0E+01	m	---	4.5E+04	n	> S	5.8E+03	n	> S	---
Sulfate*	14808-79-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.0E+02
Sulfide*	18496-25-8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	126-33-0	4.9E-04	n	---	4.9E-02	n	---	---	---	---	---	---	---	1.5E-03	n	---	1.5E-01	n	---	---	---	---	---	---	---	---
Sulfur*	7704-34-9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	1746-01-6	3.0E-08	m	---	3.0E-06	m	---	---	---	---	---	---	---	3.0E-08	m	---	3.0E-06	m	---	---	---	---	---	---	---	---
Tebuconazole	107534-96-3	7.3E-01	n	---	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	---	2.2E+02	n	> S	---	---	---	---	---	---	---
Tebuthiuron	34014-18-1	1.7E+00	n	---	1.7E+02	n	---	---	---	---	---	---	---	5.1E+00	n	---	5.1E+02	n	---	---	---	---	---	---	---	---
Terbufos	13071-79-9	6.1E-04	n	---	6.1E-02	n	---	---	---	---	---	---	---	1.8E-03	n	---	1.8E-01	n	---	---	---	---	---	---	---	---
Tert-amyl-methyl ether (TAME)	994-05-8	9.8E-01	n	---	9.8E+01	n	---	---	---	---	---	---	---	2.9E+00	n	---	2.9E+02	n	---	---	---	---	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	2.2E+00	n	---	2.2E+02	n	---	1.1E+05	n	---	1.4E+04	n	---	6.6E+00	n	---	6.6E+02	n	---	1.5E+05	n	---	1.9E+04	n	---	---
Tetrachlorobenzene, 1,2,3,4-	634-66-2	7.3E-03	n	---	7.3E-01	n	---	2.9E+04	n	> S	3.7E+03	n	> S	2.2E-02	n	---	2.2E+00	n	---	4.1E+04	n	> S	5.2E+03	n	> S	---
Tetrachlorobenzene, 1,2,3,5-	634-90-2	7.3E-03	n	---	7.3E-01	n	---	3.3E+04	n	> S	4.3E+03	n	> S	2.2E-02	n	---	2.2E+00	n	---	4.7E+04	n	> S	6.1E+03	n	> S	---
Tetrachlorobenzene, 1,2,4,5-	95-94-3	7.3E-03	n	---	7.3E-01	n	> S	3.8E+04	n	> S	5.0E+03	n	> S	2.2E-02	n	---	2.2E+00	n	> S	5.4E+04	n	> S	6.9E+03	n	> S	---
Tetrachloroethane, 1,1,1,2-	630-20-6	3.5E-02	c	---	3.5E+00	c	---	1.1E+02	c	---	1.4E+01	c	---	7.9E-02	c	---	7.9E+00	c	---	1.9E+02	c	---	2.4E+01	c	---	---
Tetrachloroethane, 1,1,2,2-	79-34-5	4.6E-03	c	---	4.6E-01	c	---	4.4E+01	c	---	5.7E+00	c	---	1.0E-02	c	---	1.0E+00	c	---	7.4E+01	c	---	9.6E+00	c	---	---
Tetrachloroethylene (perchlorethylene)	127-18-4	5.0E-03	m	---	5.0E-01	m	---	3.3E+02	c	> S	4.2E+01	c	---	5.0E-03	m	---	5.0E-01	m	---	5.5E+02	c	> S	7.1E+01	c	---	---
Tetrachlorophenol, 2,3,4,5-	4901-51-3	7.3E-01	n	---	7.3E+01	n	---	1.9E+05	n	> S	2.4E+04	n	> S	2.2E+00	n	---	2.2E+02	n	---	2.6E+05	n	> S	3.4E+04	n	> S	---
Tetrachlorophenol, 2,3,4,6-	58-90-2	7.3E-01	n	---	7.3E+01	n	---	6.9E+04	n	> S	9.0E+03	n	> S	2.2E+00	n	---	2.2E+02	n	> S	9.7E+04	n	> S	1.3E+04	n	> S	---
Tetrachlorophenol, 2,3,5,6-	935-95-5	7.3E-01	n	---	7.3E+01	n	> S	2.0E+03	n	> S	2.6E+02	n	> S	2.2E+00	n	> S	2.2E+02	n	> S	2.8E+03	n	> S	3.7E+02	n	> S	---
Tetradifon	116-29-0	4.9E-01	n	---	4.9E+01	n	> S	---	---	---	---	---	---	1.5E+00	n	> S	1.5E+02	n	> S	---	---	---	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	1.2E-02	n	---	1.2E+00	n	---	3.4E+03	n	> S	4.4E+02	n	> S	3.7E-02	n	---	3.7E+00	n	---	4.8E+03	n	> S	6.2E+02	n	> S	---
Tetraethyl lead	78-00-2	2.4E-06	n	---	2.4E-04	n	---	7.7E-01	n	---	9.9E-02	n	---	7.3E-06	n	---	7.3E-04	n	---	1.1E+00	n	> S	1.4E-01	n	---	---
Tetrahydrofuran	109-99-9	1.2E-01	c	---	1.2E+01	c	---	2.2E+03	c	---	2.9E+02	c	---	2.7E-01	c	---	2.7E+01	c	---	3.7E+03	c	---	4.8E+02	c	---	---
Tetrahydropyran	142-68-7	1.2E-01	c	---	1.2E+01	c	---	2.6E+03	c	---	3.4E+02	c	---	2.7E-01	c	---	2.7E+01	c	---	4.4E+03	c	---	5.7E+02	c	---	---
Thallium and compounds (as thallium chloride)	7791-12-0	2.0E-03	m	---	2.0E-01	m	---	---	---	---	---	---	---	2.0E-03	m	---	2.0E-01	m	---	---	---	---	---	---	---	---
Thiofanox	39196-18-4	7.3E-03	n	---	7.3E-01	n	---	2.5E+04	n	> S	3.2E+03	n	---	2.2E-02	n	---	2.2E+00	n	---	3.4E+04	n	> S	4.5E+03	n	---	---
Thionazin	297-97-2	1.7E-03	n	---	1.7E-01	n	---	---	---	---	---	---	---	5.1E-03	n	---	5.1E-01	n	---	---	---	---	---	---	---	---
Thiophanate-methyl	23564-05-8	2.0E+00	n	---	2.0E+02	n	> S	---	---	---	---	---	---	5.8E+00	n	> S	5.8E+02	n	> S	---	---	---	---	---	---	---
Thiram	137-26-8	1.2E-01	n	---	1.2E+01	n	---	3.2E+04	n	> S	4.1E+03	n	> S	3.7E-01	n	---	3.7E+01	n	> S	4.5E+04	n	> S	5.8E+03	n	> S	---
Tin	7440-31-5	1.5E+01	n	---	1.5E+03	n	---	---	---	---	---	---	---	4.4E+01	n	---	4.4E+03	n	---	---	---	---	---	---	---	---
Titanium	7440-32-6	1.2E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---	3.7E+04	n	---	1.0E+06	n	---	---	---	---	---	---	---	---
Toluene	108-88-3	1.0E+00	m	---	1.0E+02	m	---	6.2E+03	n	> S	8.0E+02	n	> S	1.0E+00	m	---	1.0E+02	m	---	8.7E+03	n	> S	1.1E+03	n	> S	---
Toluenediamine, 2,4-	95-80-7	2.9E-04	c	---	2.9E-02	c	---	1.3E+05	n	---	1.7E+04	n	---	6.4E-04	c	---	6.4E-02	c	---	1.8E+05	n	---	2.3E+04	n	---	---
Toluenediamine, 2,6-	823-40-5	4.9E+00	n	---	4.9E+02	n	---	---	---	---	---	---	---	1.5E+01	n	---	1.5E+03	n	---	---	---	---	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	26471-62-5	---	---	---	---	---	---	1.8E+03	n	---	2.4E+02	n	---	---	---	---	---	---	---	2.6E+03	n	---	3.3E+02	n	---	---
Toluidine, o-	95-53-4	3.8E-03	c	---	3.8E-01	c	---	2.6E+03	c	---	3.4E+02	c	---	8.5E-03	c	---	8.5E-01	c	---	4.4E+03	c	---	5.7E+02	c	---	---
Toluidine, p-	106-49-0	4.8E-03	c	---	4.8E-01	c	---	---	---	---	---	---	---	1.1E-02	c	---	1.1E+00	c	---	---	---	---	---	---	---	---
Toxaphene	8001-35-2	3.0E-03	m	---	3.0E-01	m	---	1.8E+03	c	> S	2.3E+02	c	> S	3.0E-03	m	---	3.0E-01	m	---	3.0E+03	c	> S	3.9E+02	c	> S	---
TP Silvex, 2,4,5-	93-72-1	5.0E-02	m	---	5.0E+00	m	---	3.5E+05	n	> S	4.5E+04	n	> S	5.0E-02	m	---	5.0E+00	m	---	4.9E+05	n	> S	6.4E+04	n	> S	---
Triademenol	55219-65-3	7.3E-01	n	---	7.3E+01	n	---	---	---	---	---	---	---	2.2E+00	n	---	2.2E+02	n	> S	---	---	---	---	---	---	---
Triallate	2303-17-5	3.2E-01	n	---	3.2E+01	n	> S	---	---	---	---	---	---	9.5E-01	n	---	9.5E+01	n	> S	---	---	---	---	---	---	---
Triaminotrinitrobenzene (TATB)	3058-38-6	3.0E-02	c	---	3.0E+00	c	---	4.2E+05	n	> S	3.7E+05	n	> S	6.8E-02	c	---	6.8E+00	c	---	5.9E+05	n	> S	5.1E+05	n	> S	---
Tributyltin oxide	56-35-9	7.3E-03	n	---	7.3E-01	n	---	---	---	---	---	---	---	2.2E-02	n	---	2.2E+00	n	---	---	---	---	---	---	---	---
Trichlorobenzene, 1,2,3-	87-61-6	7.3E-02	n	---	7.3E+00	n	---	2.7E+03	n	> S	3.5E+02	n	> S	2.2E-01	n	---	2.2E+01	n	> S	3.7E+03	n	> S	4.8E+02	n	> S	---
Trichlorobenzene, 1,2,4-	120-82-1	7.0E-02	m	---	7.0E+00	m	---	1.6E+04	n	> S	2.0E+03	n	> S	7.0E-02	m	---	7.0E+00	m	---	2.2E+04	n	> S	2.8E+03	n	> S	---
Trichlorobenzene, 1,3,5-	108-70-3	7.3E-02	n	---	7.3E+00	n	---	2.0E+03	n	> S	2.6E+02	n	> S	2.2E-01	n	---	2.2E+01	n	> S	2.9E+03	n	> S	3.7E+02	n	> S	---
Trichloroethane, 1,1,1-	71-55-6	2.0E-01	m	---	2.0E+01	m	---	7.9E+03	n	> S	1.0E+03	n	---	2.0E-01	m	---	2.0E+01	m	---	1.1E+04	n	> S	1.4E+03	n	> S	---
Trichloroethane, 1,1,2-	79-00-5	5.0E-03	m	---	5.0E-01	m	---	8.0E+01	c	---	1.0E+01	c	---	5.0E-03	m	---	5.0E-01	m	---	1.3E+02	c	---	1.7E+01	c	---	---

Table 3
Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

Chemical of Concern	CAS	Residential												Commercial/Industrial												Secondary MCL[5]
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			
		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)	note[4]		(mg/L)
Trichloroethylene	79-01-6	5.0E-03	m	---	5.0E-01	m	---	1.6E+02	c	---	2.1E+01	c	---	5.0E-03	m	---	5.0E-01	m	---	2.7E+02	c	---	3.5E+01	c	---	---
Trichlorofluoromethane	75-69-4	7.3E+00	n	---	7.3E+02	n	---	4.1E+03	n	> S	5.3E+02	n	---	2.2E+01	n	---	2.2E+03	n	> S	5.7E+03	n	> S	7.4E+02	n	---	---
Trichloronate	327-98-0	7.3E-02	n	---	7.3E+00	n	> S	---	---	---	---	---	---	2.2E-01	n	---	2.2E+01	n	> S	---	---	---	---	---	---	---
Trichlorophenol, 2,3,4-	15950-66-0	2.4E+00	n	---	2.4E+02	n	---	1.0E+06	n	> S	1.4E+05	n	> S	7.3E+00	n	---	7.3E+02	n	---	1.0E+06	n	> S	1.9E+05	n	> S	---
Trichlorophenol, 2,3,5-	933-78-8	2.4E+00	n	---	2.4E+02	n	---	1.0E+06	n	> S	1.4E+05	n	> S	7.3E+00	n	---	7.3E+02	n	---	1.0E+06	n	> S	2.0E+05	n	> S	---
Trichlorophenol, 2,3,6-	933-75-5	2.4E+00	n	---	2.4E+02	n	> S	8.4E+03	n	> S	1.1E+03	n	> S	7.3E+00	n	---	7.3E+02	n	> S	1.2E+04	n	> S	1.5E+03	n	> S	---
Trichlorophenol, 2,4,5-	95-95-4	2.4E+00	n	---	2.4E+02	n	---	4.5E+05	n	> S	5.9E+04	n	> S	7.3E+00	n	---	7.3E+02	n	---	6.4E+05	n	> S	8.2E+04	n	> S	---
Trichlorophenol, 2,4,6-	88-06-2	8.3E-02	c	---	8.3E+00	c	---	4.9E+04	c	> S	6.4E+03	c	> S	1.9E-01	c	---	1.9E+01	c	---	8.3E+04	c	> S	1.1E+04	c	> S	---
Trichlorophenol, 3,4,5-	609-19-8	2.4E+00	n	---	2.4E+02	n	---	1.0E+06	n	> S	1.5E+05	n	> S	7.3E+00	n	---	7.3E+02	n	---	1.0E+06	n	> S	2.1E+05	n	> S	---
Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	2.4E-01	n	---	2.4E+01	n	---	2.5E+05	n	> S	3.3E+04	n	> S	7.3E-01	n	---	7.3E+01	n	---	3.5E+05	n	> S	4.6E+04	n	> S	---
Trichloropropane, 1,1,2-	598-77-6	1.2E-01	n	---	1.2E+01	n	---	5.4E+02	n	> S	6.9E+01	n	> S	3.7E-01	n	---	3.7E+01	n	---	7.5E+02	n	> S	9.7E+01	n	> S	---
Trichloropropane, 1,2,3-	96-18-4	1.3E-04	c	---	1.3E-02	c	---	6.5E+03	n	> S	8.4E+02	n	---	2.9E-04	c	---	2.9E-02	c	---	9.0E+03	n	> S	1.2E+03	n	---	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	7.3E+02	n	> S	7.3E+04	n	> S	9.2E+03	n	> S	1.2E+03	n	> S	2.2E+03	n	> S	2.2E+05	n	> S	1.3E+04	n	> S	1.7E+03	n	< GW Ing	---
Triethanolamine	102-71-6	4.9E+00	n	---	4.9E+02	n	---	1.0E+06	n	---	1.0E+06	n	---	1.5E+01	n	---	1.5E+03	n	---	1.0E+06	n	---	1.0E+06	n	---	---
Triethylamine	121-44-8	---	---	---	---	---	---	6.3E+02	n	---	8.1E+01	n	---	---	---	---	---	---	---	8.8E+02	n	---	1.1E+02	n	---	---
Triethylene glycol	112-27-6	7.3E+01	n	---	7.3E+03	n	---	---	---	---	---	---	---	2.2E+02	n	---	2.2E+04	n	---	---	---	---	---	---	---	---
Triethylphosphorothioate, O, O, O-	126-68-1	2.0E-04	n	---	2.0E-02	n	---	---	---	---	---	---	---	6.1E-04	n	---	6.1E-02	n	---	---	---	---	---	---	---	---
Trifluralin	1582-09-8	1.2E-01	c	---	1.2E+01	c	> S	2.7E+04	n	> S	3.4E+03	n	> S	2.7E-01	c	---	2.7E+01	c	> S	3.7E+04	n	> S	4.8E+03	n	> S	---
Trimethylamine	75-50-3	---	---	---	---	---	---	1.7E+03	n	---	2.2E+02	n	---	---	---	---	---	---	---	2.3E+03	n	---	3.0E+02	n	---	---
Trimethylbenzene, 1,2,3-	526-73-8	1.2E+00	n	---	1.2E+02	n	> S	1.9E+02	n	> S	2.4E+01	n	---	3.7E+00	n	---	3.7E+02	n	> S	2.6E+02	n	> S	3.4E+01	n	---	---
Trimethylbenzene, 1,2,4-	95-63-6	1.2E+00	n	---	1.2E+02	n	> S	1.6E+02	n	> S	2.1E+01	n	---	3.7E+00	n	---	3.7E+02	n	> S	2.3E+02	n	> S	2.9E+01	n	---	---
Trimethylbenzene, 1,3,5-	108-67-8	1.2E+00	n	---	1.2E+02	n	> S	1.3E+02	n	> S	1.6E+01	n	---	3.7E+00	n	---	3.7E+02	n	> S	1.8E+02	n	> S	2.3E+01	n	---	---
Trinitrobenzene, 1,3,5-	99-35-4	7.3E-01	n	---	7.3E+01	n	---	---	---	---	---	---	---	2.2E+00	n	---	2.2E+02	n	---	---	---	---	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	479-45-8	2.4E-01	n	---	2.4E+01	n	---	4.4E+03	n	> S	1.7E+03	n	> S	7.3E-01	n	---	7.3E+01	n	---	6.2E+03	n	> S	2.3E+03	n	> S	---
Trinitrotoluene, 2,4,6-	118-96-7	1.2E-02	n	---	1.2E+00	n	---	2.2E+03	n	> S	2.9E+02	n	> S	3.7E-02	n	---	3.7E+00	n	---	3.1E+03	n	> S	4.1E+02	n	> S	---
Uranium (soluble salts)	7440-61-1	3.0E-02	m	---	3.0E+00	m	---	---	---	---	---	---	---	3.0E-02	m	---	3.0E+00	m	---	---	---	---	---	---	---	---
Valeric acid (pentanoic acid)	109-52-4	1.2E+01	n	> S	1.2E+03	n	> S	2.0E+04	n	> S	2.6E+03	n	> S	3.7E+01	n	> S	3.7E+03	n	> S	2.8E+04	n	> S	3.6E+03	n	> S	---
Vanadium	7440-62-2	1.7E-01	n	---	1.7E+01	n	---	---	---	---	---	---	---	5.1E-01	n	---	5.1E+01	n	---	---	---	---	---	---	---	---
Vernam	1929-77-7	2.4E-02	n	---	2.4E+00	n	---	---	---	---	---	---	---	7.3E-02	n	---	7.3E+00	n	---	---	---	---	---	---	---	---
Vinyl acetate	108-05-4	2.4E+01	n	---	2.4E+03	n	---	1.4E+04	n	---	1.8E+03	n	---	7.3E+01	n	---	7.3E+03	n	---	2.0E+04	n	---	2.6E+03	n	---	---
Vinyl chloride	75-01-4	2.0E-03	m	---	2.0E-01	m	---	3.6E+00	c	---	4.7E-01	c	---	2.0E-03	m	---	2.0E-01	m	---	6.1E+00	c	---	7.9E-01	c	---	---
Vinylcyclohexane	695-12-5	1.2E+01	n	> S	1.2E+03	n	> S	2.2E+01	n	> S	2.8E+00	n	< GW Ing	3.7E+01	n	> S	3.7E+03	n	> S	3.1E+01	n	< GW Ing	4.0E+00	n	< GW Ing	---
Warfarin	81-81-2	7.3E-03	n	---	7.3E-01	n	---	4.6E+03	n	> S	6.0E+02	n	> S	2.2E-02	n	---	2.2E+00	n	---	6.5E+03	n	> S	8.4E+02	n	> S	---
Xylene, m-	108-38-3	1.0E+01	m	---	1.0E+03	m	> S	7.5E+03	n	> S	9.7E+02	n	> S	1.0E+01	m	---	1.0E+03	m	> S	1.1E+04	n	> S	1.4E+03	n	> S	---
Xylene, o-	95-47-6	1.0E+01	m	---	1.0E+03	m	> S	5.4E+05	n	> S	7.0E+04	n	> S	1.0E+01	m	---	1.0E+03	m	> S	7.6E+05	n	> S	9.8E+04	n	> S	---
Xylene, p-	106-42-3	1.0E+01	m	---	1.0E+03	m	> S	6.7E+03	n	> S	8.6E+02	n	> S	1.0E+01	m	---	1.0E+03	m	> S	9.3E+03	n	> S	1.2E+03	n	> S	---
Xylenes	1330-20-7	1.0E+01	m	---	1.0E+03	m	> S	1.7E+03	n	> S	2.2E+02	n	> S	1.0E+01	m	---	1.0E+03	m	> S	2.3E+03	n	> S	3.0E+02	n	> S	---
Zinc	7440-66-6	7.3E+00	n	---	7.3E+02	n	---	---	---	---	---	---	---	2.2E+01	n	---	2.2E+03	n	---	---	---	---	---	---	---	5.0E+00
6 C aliphatics (TPH)	NA	1.5E+00	n	---	1.5E+02	n	> S	3.2E+01	n	---	4.1E+00	n	---	4.4E+00	n	---	4.4E+02	n	> S	4.5E+01	n	> S	5.8E+00	n	---	---
>6-8 C aliphatics (TPH)	NA	1.5E+00	n	---	1.5E+02	n	> S	2.1E+01	n	> S	2.7E+00	n	---	4.4E+00	n	---	4.4E+02	n	> S	3.0E+01	n	> S	3.8E+00	n	< GW Ing	---
>8-10 C aliphatics (TPH)	NA	2.4E+00	n	> S	2.4E+02	n	> S	6.6E+01	n	> S	8.5E+00	n	> S	7.3E+00	n	> S	7.3E+02	n	> S	9.2E+01	n	> S	1.2E+01	n	> S	---
>10-12 C aliphatics (TPH)	NA	2.4E+00	n	> S	2.4E+02	n	> S	4.4E+01	n	> S	5.7E+00	n	> S	7.3E+00	n	> S	7.3E+02	n	> S	6.2E+01	n	> S	8.0E+00	n	> S	---
>12-16 C aliphatics (TPH)	NA	2.4E+00	n	> S	2.4E+02	n	> S	1.0E+01	n	> S	1.3E+00	n	< GW Ing	7.3E+00	n	> S	7.3E+02	n	> S	1.4E+01	n	> S	1.8E+00	n	< GW Ing	---
>16-21 C aliphatics (TPH)	NA	4.9E+01	n	> S	4.9E+03	n	> S	---	---	---	---	---	---	1.5E+02	n	> S	1.5E+04	n	> S	---	---	---	---	---	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	NA	3.9E+01	n	> S	3.9E+03	n	> S	---	---	---	---	---	---	1.2E+02	n	> S	1.2E+04	n	> S	---	---	---	---	---	---	---
>7-8 C aromatics (TPH)	NA	2.4E+00	n	---	2.4E+02	n	---	1.6E+04	n	> S	2.0E+03	n	> S	7.3E+00	n	---	7.3E+02	n	> S	2.2E+04	n	> S	2.8E+03	n	> S	---
>8-10 C aromatics (TPH)	NA	9.8E-01	n	---	9.8E+01	n	> S	1.8E+03	n	> S	2.3E+02	n	> S	2.9E+00	n	---	2.9E+02	n	> S	2.5E+03	n	> S	3.2E+02	n	> S	---
>10-12 C aromatics (TPH)	NA	9.8E-01	n	---	9.8E+01	n	> S	4.3E+03	n	> S	5.5E+02	n	> S	2.9E+00	n	---	2.9E+02	n	> S	6.0E+03	n	> S	7.7E+02	n	> S	---
>12-16 C aromatics (TPH)	NA	9.8E-01	n	---	9.8E+01	n	> S	7.5E+03	n	> S	9.7E+02	n	> S	2.9E+00	n	---	2.9E+02	n	> S	1.0E+04	n	> S	1.4E+03	n	> S	---
>16-21 C aromatics (TPH)	NA	7.3E-01	n	> S	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	> S	2.2E+02	n	> S	---	---	---	---	---	---	---

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (Includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Nitroaniline, 3-	5.0E+02	1.8E+02	5.0E+02	1.6E+02
Nitroaniline, 4-	5.0E+02	6.0E+02	5.0E+02	3.6E+02
Nitrobenzene	---	2.4E+02	---	1.9E+02
Nitroglycerin	1.4E+03	4.8E+01	1.4E+03	4.8E+01
Nitrophenol, 2-	---	6.2E+02	---	4.1E+02
Nitrophenol, 3-	---	8.3E+02	---	6.0E+02
Nitrophenol, 4-	---	1.9E+02	---	1.1E+02
Nitropropane, 2-	2.2E-01	4.3E+02	1.1E-01	2.2E+02
Nitroquinoline-N-oxide, 4-	1.2E+00	---	9.0E-01	---
Nitrosodiethanolamine, N-	6.8E+00	---	6.8E+00	---
Nitrosodiethylamine, N-	7.0E-02	---	4.4E-02	---
Nitrosodimethylamine, N-	2.1E-01	---	1.3E-01	---
Nitrosodi-n-butylamine, N-	1.2E+00	---	7.1E-01	---
Nitrosodi-n-propylamine, N-	1.4E+00	---	1.4E+00	---
Nitrosodiphenylamine, N-	1.9E+03	---	1.9E+03	---
Nitroso-methyl-ethyl-amine, N-	1.3E+00	---	1.3E+00	---
Nitrosomorpholine, N-	1.4E+00	---	9.7E-01	---
Nitroso-N-ethylurea, N-	1.4E-01	---	1.4E-01	---
Nitrosopiperidine, N-	1.1E+00	---	7.4E-01	---
Nitrosopyrrolidine, N-	4.7E+00	---	3.2E+00	---
Nitrotoluene, m-	---	1.0E+03	---	5.7E+02
Nitrotoluene, o-	---	1.1E+03	---	6.2E+02
Nitrotoluene, p-	---	1.0E+03	---	5.7E+02
Nonachlor, cis-	5.3E+01	3.2E+02	5.2E+01	3.0E+02
Nonachlor, trans-	5.3E+01	3.2E+02	5.2E+01	3.0E+02
Nonanal	---	1.4E+05	---	1.4E+05
Nonylphenol	---	3.4E+04	---	3.3E+04
Octamethylpyrophosphoramide	---	1.4E+03	---	1.4E+03
Octanone	---	5.8E+04	---	5.6E+04
Oxamyl	---	1.7E+04	---	1.7E+04
Oxychlordane	5.3E+01	3.2E+02	5.2E+01	3.0E+02
Paraquat	---	3.1E+03	---	3.1E+03
Parathion (ethyl parathion)	---	2.3E+02	---	1.2E+02
Pebulate	---	3.4E+04	---	3.4E+04
Pendimethalin	---	2.7E+04	---	2.7E+04
Pentachlorobenzene	---	5.4E+02	---	5.3E+02
Pentachloroethane	1.4E+02	3.1E+04	7.6E+01	3.1E+04
Pentachloronitrobenzene	7.3E+01	2.7E+02	7.3E+01	1.5E+02
Pentachlorophenol	1.1E+02	6.0E+02	1.1E+02	3.2E+02
Pentadiene, 1,3-trans-	---	5.3E+04	---	4.7E+04
Pentaerythritol tetranitrate (PETN)	---	2.7E+05	---	2.7E+05
Pentane	---	7.4E+03	---	3.8E+03
Pentanediol, 1,5-	---	1.0E+06	---	1.0E+06
Pentanone, 2-	---	1.2E+04	---	7.3E+03
Pentyne, 1-	---	5.3E+04	---	4.7E+04
Perchlorate	---	8.2E+01	---	8.2E+01
Perylene	---	1.4E+04	---	1.4E+04
Phenacetin	5.9E+03	---	4.5E+03	---
Phenanthrene	---	1.9E+04	---	1.9E+04
Phenanthridine	---	2.0E+03	---	2.0E+03
Phenol	---	4.6E+03	---	2.4E+03
Phenylene diamine, m-	---	1.9E+01	---	1.0E+01
Phenylene diamine, p-	---	2.1E+01	---	1.1E+01
Phenyl mercuric acetate	---	5.5E+01	---	5.5E+01
Phorate	---	4.2E+01	---	2.6E+01
Phosalone	---	1.4E+03	---	1.4E+03
Phosdrin (mevinphos)	---	1.7E+01	---	1.7E+01
Phosmet	---	1.7E+03	---	9.3E+02
Phosphine	---	6.3E+00	---	3.3E+00
Phosphorus, total*	---	---	---	---
Phosphorus, white	---	1.9E+00	---	1.0E+00
Phthalic anhydride	---	6.6E+04	---	3.5E+04
Picloram	---	4.8E+04	---	4.8E+04
Picoline, 2- (2-methylpyridine)	---	2.4E+01	---	1.2E+01
Polybrominated biphenyls (PBBs)	2.1E+00	4.8E+00	2.1E+00	4.8E+00
Polychlorinated biphenyls (PCBs)	7.7E+00	1.2E+01	7.1E+00	1.2E+01
Potassium*	---	---	---	---
Primene	---	1.6E+03	---	1.0E+03

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Prometon (pramitol)	---	1.0E+04	---	1.0E+04
Pronamide	---	5.1E+04	---	5.1E+04
Propanal (propionaldehyde)	---	2.6E+03	---	1.6E+03
Propanil	---	3.4E+03	---	3.4E+03
Propanoic acid (propionic acid)	---	1.6E+02	---	8.2E+01
Propanol, 1-	---	2.7E+04	---	1.5E+04
Propargite	---	1.4E+04	---	1.4E+04
Propargyl alcohol	---	3.4E+02	---	1.9E+02
Propazine	4.3E+02	1.4E+04	4.3E+02	1.4E+04
Propham	---	1.4E+04	---	1.4E+04
Propionitrile (propane nitrile)	---	2.0E+02	---	1.3E+02
Propyl acetate, n-	---	9.2E+04	---	9.2E+04
Propylbenzene, n-	---	7.3E+03	---	4.1E+03
Propylene glycol	---	2.7E+04	---	1.4E+04
Propylene glycol monomethyl ether	---	2.2E+05	---	1.3E+05
Propylene oxide	6.9E+01	6.4E+02	4.9E+01	3.3E+02
Propylene tetramer	---	1.6E+04	---	9.5E+03
Pyrene	---	1.9E+04	---	1.9E+04
Pyridine	---	2.5E+02	---	1.4E+02
Quinoline	6.4E+00	4.2E+02	6.4E+00	2.2E+02
Ronnel	---	3.4E+04	---	3.4E+04
Safrole	4.9E+01	---	3.5E+01	---
Selenium	---	4.8E+03	---	4.7E+03
Selenourea	---	5.1E+03	---	5.1E+03
Silver	---	1.9E+03	---	1.7E+03
Simazine	1.6E+02	3.4E+03	1.6E+02	3.4E+03
Sodium*	---	---	---	---
Sodium diethyldithiocarbamate	1.1E+02	3.1E+04	1.1E+02	3.1E+04
Sodium polyacrylate	---	1.7E+02	---	8.7E+01
Strontium	---	4.9E+05	---	4.9E+05
Strychnine	---	2.0E+02	---	2.0E+02
Styrene	---	2.9E+04	---	1.6E+04
Sulfate*	---	---	---	---
Sulfide*	---	---	---	---
Sulfolane	---	1.4E+01	---	1.4E+01
Sulfur*	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	5.0E-03	5.0E-03	5.0E-03	5.0E-03
Tebuconazole	---	2.0E+04	---	2.0E+04
Tebuthiuron	---	4.8E+04	---	4.8E+04
Terbufos	---	1.7E+01	---	1.7E+01
Tert-amyl-methyl ether (TAME)	---	4.1E+04	---	4.1E+04
Tert-butyl alcohol (2-methyl-2-propanol)	---	7.5E+03	---	4.0E+03
Tetrachlorobenzene, 1,2,3,4-	---	2.0E+02	---	2.0E+02
Tetrachlorobenzene, 1,2,3,5-	---	2.0E+02	---	2.0E+02
Tetrachlorobenzene, 1,2,4,5-	---	2.0E+02	---	2.0E+02
Tetrachloroethane, 1,1,1,2-	1.3E+02	3.1E+04	7.3E+01	3.1E+04
Tetrachloroethane, 1,1,2,2-	1.4E+01	4.1E+04	7.3E+00	4.1E+04
Tetrachloroethylene (perchlorethylene)	3.6E+02	3.7E+03	2.7E+02	2.3E+03
Tetrachlorophenol, 2,3,4,5-	---	6.4E+03	---	3.9E+03
Tetrachlorophenol, 2,3,4,6-	---	2.5E+03	---	1.4E+03
Tetrachlorophenol, 2,3,5,6-	---	2.5E+02	---	1.3E+02
Tetradifon	---	1.4E+04	---	1.4E+04
Tetraethyl dithiopyrophosphate (sulfotep)	---	1.5E+02	---	9.9E+01
Tetraethyl lead	---	6.6E-02	---	6.5E-02
Tetrahydrofuran	2.9E+02	6.3E+03	1.6E+02	3.3E+03
Tetrahydropyran	3.1E+02	2.0E+05	1.7E+02	2.0E+05
Thallium and compounds (as thallium chloride)	---	7.8E+01	---	7.8E+01
Thiofanox	---	1.4E+02	---	1.1E+02
Thionazin	---	4.8E+01	---	4.8E+01
Thiophanate-methyl	---	5.5E+04	---	5.5E+04
Thiram	---	1.2E+03	---	7.2E+02
Tin	---	4.0E+05	---	4.0E+05
Titanium	---	1.0E+06	---	1.0E+06
Toluene	---	8.2E+03	---	4.3E+03
Toluenediamine, 2,4-	6.0E+00	1.1E+04	6.0E+00	5.6E+03
Toluenediamine, 2,6-	---	1.4E+05	---	1.4E+05
Toluene diisocyanate, 2,4/2,6-	---	2.0E+02	---	1.0E+02
Toluidine, o-	5.9E+01	---	4.8E+01	---

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (Includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Toluidine, p-	1.0E+02	---	1.0E+02	---
Toxaphene	1.7E+01	---	1.7E+01	---
TP Silvex, 2,4,5-	---	4.7E+03	---	4.2E+03
Triademenol	---	2.0E+04	---	2.0E+04
Triallate	---	8.9E+03	---	8.9E+03
Triaminotrinitrobenzene (TATB)	6.4E+02	4.3E+02	6.4E+02	2.4E+02
Tributyltin oxide	---	1.1E+00	---	5.5E-01
Trichlorobenzene, 1,2,3-	---	1.6E+03	---	1.4E+03
Trichlorobenzene, 1,2,4-	---	5.2E+03	---	4.2E+03
Trichlorobenzene, 1,3,5-	---	1.3E+03	---	9.6E+02
Trichloroethane, 1,1,1-	---	1.9E+04	---	1.0E+04
Trichloroethane, 1,1,2-	3.5E+01	4.1E+03	1.9E+01	4.1E+03
Trichloroethylene	3.1E+02	6.1E+03	1.7E+02	6.1E+03
Trichlorofluoromethane	---	5.0E+04	---	2.8E+04
Trichloronate	---	2.0E+03	---	2.0E+03
Trichlorophenol, 2,3,4-	---	3.2E+04	---	2.2E+04
Trichlorophenol, 2,3,5-	---	2.6E+04	---	1.6E+04
Trichlorophenol, 2,3,6-	---	3.2E+03	---	1.7E+03
Trichlorophenol, 2,4,5-	---	2.1E+04	---	1.2E+04
Trichlorophenol, 2,4,6-	1.1E+03	---	8.6E+02	---
Trichlorophenol, 3,4,5-	---	4.7E+04	---	3.7E+04
Trichlorophenoxyacetic acid, 2,4,5-	---	2.8E+03	---	1.8E+03
Trichloropropane, 1,1,2-	---	1.0E+03	---	5.9E+02
Trichloropropane, 1,2,3-	4.1E+00	2.4E+03	4.1E+00	1.5E+03
Trichloro-1,2,2-trifluoroethane, 1,1,2-	---	6.3E+05	---	3.3E+05
Triethanolamine	---	1.1E+03	---	5.5E+02
Triethylamine	---	1.5E+02	---	7.7E+01
Triethylene glycol	---	1.0E+06	---	1.0E+06
Triethylphosphorothioate, O, O, O-	---	5.7E+00	---	5.7E+00
Trifluralin	2.5E+03	4.2E+03	2.5E+03	3.5E+03
Trimethylamine	---	2.1E+02	---	1.1E+02
Trimethylbenzene, 1,2,3-	---	1.7E+02	---	8.7E+01
Trimethylbenzene, 1,2,4-	---	1.9E+02	---	9.6E+01
Trimethylbenzene, 1,3,5-	---	1.6E+02	---	8.3E+01
Trinitrobenzene, 1,3,5-	---	2.0E+04	---	2.0E+04
Trinitrophenylmethylnitramine (tetryl; nitramine)	---	1.0E+02	---	5.4E+01
Trinitrotoluene, 2,4,6-	6.4E+02	7.8E+01	6.4E+02	4.5E+01
Uranium (soluble salts)	---	2.9E+03	---	2.9E+03
Valeric acid (pentanoic acid)	---	1.8E+02	---	9.5E+01
Vanadium	---	2.4E+03	---	2.3E+03
Vernam	---	6.8E+02	---	6.8E+02
Vinyl acetate	---	4.3E+03	---	2.2E+03
Vinyl chloride	1.5E+01	1.3E+03	1.2E+01	8.1E+02
Vinylcyclohexane	---	2.1E+02	---	1.1E+02
Warfarin	---	1.1E+02	---	7.8E+01
Xylene, m-	---	9.3E+03	---	4.8E+03
Xylene, o-	---	6.6E+04	---	3.4E+04
Xylene, p-	---	9.3E+03	---	4.8E+03
Xylenes	---	2.1E+03	---	1.1E+03
Zinc	---	2.5E+05	---	2.5E+05
6 C aliphatics (TPH)	---	4.0E+03	---	2.1E+03
>6-8 C aliphatics (TPH)	---	4.0E+03	---	2.1E+03
>8-10 C aliphatics (TPH)	---	1.8E+04	---	1.0E+04
>10-12 C aliphatics (TPH)	---	1.6E+04	---	9.5E+03
>12-16 C aliphatics (TPH)	---	2.3E+04	---	1.4E+04
>16-21 C aliphatics (TPH)	---	1.0E+06	---	1.0E+06
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	1.0E+06	---	1.0E+06
>7-8 C aromatics (TPH)	---	1.8E+04	---	1.0E+04
>8-10 C aromatics (TPH)	---	3.9E+03	---	2.1E+03
>10-12 C aromatics (TPH)	---	6.9E+03	---	4.0E+03
>12-16 C aromatics (TPH)	---	1.2E+04	---	7.8E+03
>16-21 C aromatics (TPH)	---	1.9E+04	---	1.9E+04
>21-35 C aromatics (TPH)	---	1.9E+04	---	1.9E+04

Footnotes

[1]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at
All values capped at 1E+06

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Acenaphthene	---	---	---	---	---	---	---	---	---	---	---	---	---
Acenaphthylene	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetaldehyde	1.7E+02	8.7E+01	---	---	---	---	---	---	---	1.7E+02	8.7E+01	5.6E+03	3.7E+02
Acetic acid*	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone cyanohydrin	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetonitrile	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetophenone	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetylaminofluorene, 2-	1.9E+01	9.5E+00	1.6E+00	5.5E+00	---	4.5E-03	2.3E-03	4.5E-01	2.3E-01	1.9E+01	9.6E+00	1.2E+04	9.9E+02
Acifluorfen, sodium	---	---	---	---	---	---	---	---	---	---	---	---	---
Acridine	---	---	---	---	---	---	---	---	---	---	---	---	---
Acrolein	---	---	---	---	---	---	---	---	---	---	---	---	---
Acrylamide	2.1E+00	1.1E+00	1.3E+00	4.6E+00	---	3.9E-04	2.0E-04	3.9E-02	2.0E-02	2.1E+00	1.1E+00	5.6E+02	3.7E+01
Acrylic acid (propenoic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Acrylonitrile	5.3E+00	2.7E+00	1.1E+01	---	---	3.3E-03	1.7E-03	3.3E-01	1.7E-01	5.3E+00	2.7E+00	1.1E+02	7.4E+00
Adipic acid (hexanedioic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Alachlor	---	---	7.6E+01	2.6E+02	---	1.9E-02	9.5E-03	1.9E+00	9.5E-01	---	---	---	---
Aldicarb	---	---	---	---	---	1.8E-02	8.9E-03	1.8E+00	8.9E-01	---	---	---	---
Aldicarb sulfone	---	---	---	---	---	1.4E-02	6.9E-03	1.4E+00	6.9E-01	---	---	---	---
Aldrin	8.3E+00	4.3E+00	3.6E-01	1.2E+00	6.2E-02	1.0E-01	5.1E-02	1.0E+01	5.1E+00	8.3E+00	4.3E+00	8.5E+03	5.5E+02
Allyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---	---
Allyl chloride	---	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	---	---	---	---	---	---	---	---	---	---	---	---	---
Ametryn	---	---	---	---	---	---	---	---	---	---	---	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	---	---	1.0E+00	3.4E+00	---	1.1E-02	5.4E-03	1.1E+00	5.4E-01	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	---	---	6.1E+02	2.1E+03	---	1.5E+00	7.5E-01	1.5E+02	7.5E+01	---	---	---	---
Amino-4,6-dinitrotoluene, 2-	---	---	6.1E+02	2.1E+03	---	2.2E+00	1.1E+00	2.2E+02	1.1E+02	---	---	---	---
Aminopyridine, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonia	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium polyphosphate*	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	---	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	1.1E+03	3.6E+03	---	3.7E-01	1.8E-01	3.7E+01	1.8E+01	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthraquinone, 9,10-	---	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	---	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Aramite	---	---	2.4E+02	8.3E+02	2.7E+02	---	---	---	---	---	---	---	---
Arsenic	5.3E+03	2.7E+03	5.2E+01	4.6E+02	1.3E+02	5.0E+00	2.5E+00	5.0E+02	2.5E+02	---	---	---	---
Arsine	---	---	---	---	---	---	---	---	---	---	---	---	---
Asbestos	2.9E+03	1.5E+03	---	---	---	---	---	---	---	---	---	---	---
Atrazine	---	---	2.7E+01	9.4E+01	---	2.5E-02	1.2E-02	2.5E+00	1.2E+00	---	---	---	---
Azinphos-methyl (guthion)	---	---	---	---	---	---	---	---	---	---	---	---	---
Azobenzene	1.4E+03	7.1E+02	5.5E+01	1.9E+02	3.5E+02	1.8E+01	8.8E+00	1.8E+03	8.8E+02	1.4E+03	7.1E+02	1.0E+06	9.4E+04
Barium	---	---	---	---	---	4.4E+02	2.2E+02	4.4E+04	2.2E+04	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
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Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Bayleton	---	---	---	---	---	---	---	---	---	---	---	---	---
Benefin (benfluralin)	---	---	---	---	---	---	---	---	---	---	---	---	---
Benomyl	---	---	---	---	---	---	---	---	---	---	---	---	---
Benz-a-anthracene	3.7E+03	1.9E+03	8.3E+00	2.2E+01	9.4E+01	1.8E+01	8.9E+00	1.8E+03	8.9E+02	3.7E+03	1.9E+03	1.0E+06	1.0E+06
Benzaldehyde	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	4.6E+01	2.4E+01	1.1E+02	---	---	2.6E-02	1.3E-02	2.6E+00	1.3E+00	4.6E+01	2.4E+01	2.6E+02	1.7E+01
Benzenethiol	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzidine	6.3E-02	3.2E-02	2.6E-02	9.0E-02	---	1.1E-05	5.5E-06	1.1E-03	5.5E-04	6.3E-02	3.2E-02	1.4E+01	1.2E+00
Benzo-a-pyrene	8.2E+02	4.2E+02	8.3E-01	2.2E+00	8.9E+00	7.6E+00	3.8E+00	7.6E+02	3.8E+02	8.5E+02	4.4E+02	1.0E+06	9.6E+05
Benzo-b-fluoranthene	6.0E+03	3.1E+03	8.3E+00	2.2E+01	1.1E+02	6.0E+01	3.0E+01	6.0E+03	3.0E+03	6.1E+03	3.2E+03	1.0E+06	1.0E+06
Benzo-e-pyrene	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo-g,h,i-perylene	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo-k-fluoranthene	1.4E+05	7.4E+04	8.3E+01	2.2E+02	1.1E+03	6.2E+02	3.1E+02	6.2E+04	3.1E+04	1.5E+05	7.8E+04	1.0E+06	1.0E+06
Benzotrichloride	---	---	4.7E-01	1.6E+00	---	4.2E-03	2.1E-03	4.2E-01	2.1E-01	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzyl chloride	---	---	3.6E+01	---	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	---	---	---	---
Benzyl dichloride	---	---	3.6E+01	1.2E+02	---	6.3E-02	3.2E-02	6.3E+00	3.2E+00	---	---	---	---
Beryllium	9.4E+03	4.8E+03	---	---	---	1.8E+00	9.2E-01	1.8E+02	9.2E+01	---	---	---	---
Biphenyl, 1,1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Biquinoline, 2,2'-	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-chloroethoxy) methane	1.1E+01	5.8E+00	5.5E+00	1.9E+01	---	1.2E-02	5.9E-03	1.2E+00	5.9E-01	1.1E+01	5.8E+00	1.1E+03	7.4E+01
Bis (2-chloroethyl) ether	3.6E+00	1.8E+00	5.5E+00	---	---	2.1E-03	1.1E-03	2.1E-01	1.1E-01	3.6E+00	1.8E+00	2.4E+02	1.5E+01
Bis (2-chloroisopropyl) ether	2.1E+02	1.1E+02	8.7E+01	3.0E+02	---	1.9E-01	9.5E-02	1.9E+01	9.5E+00	2.1E+02	1.1E+02	1.3E+04	8.2E+02
Bis (2-chloromethyl) ether	5.8E-03	3.0E-03	2.8E-02	---	---	8.2E-06	4.1E-06	8.2E-04	4.1E-04	5.8E-03	3.0E-03	1.7E-01	1.1E-02
Bis (2-ethyl-hexyl) phthalate	---	---	4.3E+02	2.8E+02	5.8E+01	1.6E+02	8.2E+01	1.6E+04	8.2E+03	---	---	---	---
Bismuth	---	---	---	---	---	---	---	---	---	---	---	---	---
Bisphenol A	---	---	---	---	---	---	---	---	---	---	---	---	---
Boron[2]	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromo-2-chloroethane, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	9.8E+01	---	---	6.5E-02	3.3E-02	6.5E+00	3.3E+00	---	---	---	---
Bromoform	8.4E+02	4.3E+02	7.7E+02	---	---	6.3E-01	3.2E-01	6.3E+01	3.2E+01	8.4E+02	4.3E+02	2.8E+04	1.8E+03
Bromomethane (methyl bromide)	---	---	---	---	---	---	---	---	---	---	---	---	---
Bromophenyl phenylether, 4-	9.7E+00	5.0E+00	4.0E-01	1.4E+00	3.0E+00	3.5E-01	1.8E-01	3.5E+01	1.8E+01	9.8E+00	5.0E+00	9.2E+03	5.9E+02
Butadiene, 1,3-	1.2E+01	6.1E+00	---	---	---	---	---	---	---	1.2E+01	6.1E+00	1.2E+01	7.6E-01
Butanal (butyraldehyde)	---	---	---	---	---	---	---	---	---	---	---	---	---
Butanoic acid (butyric acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Butanol, n-	---	---	---	---	---	---	---	---	---	---	---	---	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGB	---	---	---	---	---	---	---	---	---	---	---	---	---
Butyl acetate	---	---	---	---	---	---	---	---	---	---	---	---	---
Butyl acrylate	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
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Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Butyl benzyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---
Butylate	---	---	---	---	---	---	---	---	---	---	---	---	---
Butylbenzene, n-	---	---	---	---	---	---	---	---	---	---	---	---	---
Butylbenzene, sec-	---	---	---	---	---	---	---	---	---	---	---	---	---
Butylbenzene, tert-	---	---	---	---	---	---	---	---	---	---	---	---	---
Butyl ether, n- (dibutyl ether)	---	---	---	---	---	---	---	---	---	---	---	---	---
Cacodylic acid	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	1.3E+04	6.5E+03	---	---	---	1.5E+00	7.5E-01	1.5E+02	7.5E+01	---	---	---	---
Calcium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	---	---	---	---	---	---	---	---	---	---	---	---	---
Captan	---	---	1.7E+03	5.9E+03	---	6.7E+01	3.4E+01	6.7E+03	3.4E+03	---	---	---	---
Carbaryl	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	3.0E+02	1.0E+03	---	4.6E+00	2.3E+00	4.6E+02	2.3E+02	---	---	---	---
Carbofuran	---	---	---	---	---	1.2E-01	6.2E-02	1.2E+01	6.2E+00	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	2.4E+01	1.2E+01	4.7E+01	---	---	6.2E-02	3.1E-02	6.2E+00	3.1E+00	2.4E+01	1.2E+01	9.8E+01	6.3E+00
Carbophenothion	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbosulfan	---	---	---	---	---	---	---	---	---	---	---	---	---
Carboxin	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloral	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlordane (technical)	1.2E+03	6.4E+02	1.7E+01	1.5E+02	9.7E+00	9.6E+00	4.8E+00	9.6E+02	4.8E+02	1.2E+03	6.4E+02	1.0E+06	2.4E+05
Chlordane, cis- (alpha chlordane)	4.0E+03	2.1E+03	1.7E+01	5.9E+01	3.0E+02	7.4E+02	3.7E+02	7.4E+04	3.7E+04	4.1E+03	2.1E+03	1.0E+06	1.0E+06
Chlordane, gamma	9.6E+02	5.0E+02	1.7E+01	5.9E+01	1.7E+01	4.1E+01	2.1E+01	4.1E+03	2.1E+03	9.7E+02	5.0E+02	1.0E+06	1.6E+05
Chlorfenvinphos	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloride*	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorine	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroaniline, p-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	---	1.1E+00	5.5E-01	1.1E+02	5.5E+01	---	---	---	---
Chlorobenzilate	3.5E+02	1.8E+02	2.2E+01	7.7E+01	---	1.1E-01	5.7E-02	1.1E+01	5.7E+00	3.5E+02	1.8E+02	2.4E+05	1.5E+04
Chlorobromomethane (bromochloromethane)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloro-1,3-butadiene, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorodifluoromethane	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	---	---	5.5E+00	---	---	2.9E-03	1.4E-03	2.9E-01	1.4E-01	---	---	---	---
Chloroform	1.6E+01	8.0E+00	---	---	---	---	---	---	---	1.6E+01	8.0E+00	8.3E+01	5.4E+00
Chlorohexane, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane (methyl chloride)	2.0E+02	1.0E+02	4.7E+02	---	---	4.1E-01	2.0E-01	4.1E+01	2.0E+01	2.0E+02	1.0E+02	2.1E+02	1.4E+01
Chloro-3-methylphenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	---	---	---	---	---	---	---	---	---	---	---	---

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Individual Tier 1 Soil PCLs
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Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	---	---	3.4E+02	1.2E+03	---	3.2E-01	1.6E-01	3.2E+01	1.6E+01	---	---	---	---
Chlorophenol, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenol, 3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenyl phenylether, 4-	2.5E+00	1.3E+00	4.0E-01	1.4E+00	3.9E-01	3.2E-02	1.6E-02	3.2E+00	1.6E+00	2.5E+00	1.3E+00	6.5E+02	4.2E+01
Chloropropane, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloro-2-propanol, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorothalonil	---	---	5.5E+02	1.9E+03	---	8.1E+00	4.1E+00	8.1E+02	4.1E+02	---	---	---	---
Chlorotoluene, o- (2-chlorotoluene)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorotoluene, p- (4-chlorotoluene)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorpyrifos	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (III) (total chromium)	---	---	---	---	---	2.4E+03	1.2E+03	2.4E+05	1.2E+05	---	---	---	---
Chromium (VI)	1.9E+03	9.7E+02	---	---	---	2.8E+01	1.4E+01	2.8E+03	1.4E+03	---	---	---	---
Chrysene	5.8E+05	3.0E+05	8.3E+02	2.2E+03	8.1E+03	1.5E+03	7.7E+02	1.5E+05	7.7E+04	5.9E+05	3.0E+05	1.0E+06	1.0E+06
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---	---
Copolymer acrylamide	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	---	1.0E+03	5.2E+02	1.0E+05	5.2E+04	---	---	---	---
Coronene	---	---	---	---	---	---	---	---	---	---	---	---	---
Coumaphos	---	---	---	---	---	---	---	---	---	---	---	---	---
Cresol	---	---	---	---	---	---	---	---	---	---	---	---	---
Cresol, m- (3-methylphenol)	---	---	---	---	---	---	---	---	---	---	---	---	---
Cresol, o- (2-methylphenol)	---	---	---	---	---	---	---	---	---	---	---	---	---
Cresol, p- (4-methylphenol)	---	---	---	---	---	---	---	---	---	---	---	---	---
Crotonaldehyde	---	---	3.2E+00	---	---	9.5E-04	4.8E-04	9.5E-02	4.8E-02	---	---	---	---
Cumene (isopropylbenzene)	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyanazine	---	---	7.2E+00	2.5E+01	---	4.2E-03	2.1E-03	4.2E-01	2.1E-01	---	---	---	---
Cyanide	---	---	---	---	---	4.0E+01	2.0E+01	4.0E+03	2.0E+03	---	---	---	---
Cyanogen	---	---	---	---	---	---	---	---	---	---	---	---	---
Cycloate	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexanol	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexanone	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclotetramethylenetetranitramine (HMX)	---	---	---	---	---	---	---	---	---	---	---	---	---
Cyclotrimethylenetrinitramine (RDX)	---	---	5.5E+01	1.9E+02	---	3.7E-02	1.8E-02	3.7E+00	1.8E+00	---	---	---	---
Cymene (isopropyltoluene)	---	---	---	---	---	---	---	---	---	---	---	---	---
Cymoxanil	---	---	---	---	---	---	---	---	---	---	---	---	---
Dacthal (DCPA)	---	---	---	---	---	---	---	---	---	---	---	---	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	---	---	---	---	5.8E-01	2.9E-01	5.8E+01	2.9E+01	---	---	---	---
DDD	---	---	2.5E+01	2.9E+02	3.7E+01	1.3E+01	6.5E+00	1.3E+03	6.5E+02	---	---	---	---
DDE	---	---	1.8E+01	2.0E+02	2.7E+01	1.2E+01	5.9E+00	1.2E+03	5.9E+02	---	---	---	---
DDT	1.2E+03	6.2E+02	1.8E+01	2.0E+02	8.1E+00	1.5E+01	7.4E+00	1.5E+03	7.4E+02	1.2E+03	6.2E+02	1.0E+06	2.2E+05
Demeton	---	---	---	---	---	---	---	---	---	---	---	---	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	---	---	---	---	---	---	---	---	---	---	---	---

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Residential

Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Diallate	---	---	1.0E+02	3.4E+02	7.6E+01	1.2E+00	5.8E-01	1.2E+02	5.8E+01	---	---	---	---
Diazinon	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenz-a,h-acridine	1.4E+04	7.4E+03	5.1E+00	1.7E+01	6.6E+01	5.8E+01	2.9E+01	5.8E+03	2.9E+03	1.5E+04	7.9E+03	1.0E+06	1.0E+06
Dibenz-a,h-anthracene	1.8E+03	9.4E+02	8.3E-01	2.2E+00	6.3E+00	1.5E+01	7.6E+00	1.5E+03	7.6E+02	2.0E+03	1.0E+03	1.0E+06	1.0E+06
Dibenz-a,j-acridine	1.9E+04	1.0E+04	8.3E+00	2.2E+01	1.4E+02	1.1E+02	5.6E+01	1.1E+04	5.6E+03	2.1E+04	1.1E+04	1.0E+06	1.0E+06
Dibenzofuran	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzothiophene	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane (chlorodibromomethane)	---	---	7.2E+01	---	---	4.9E-02	2.5E-02	4.9E+00	2.5E+00	---	---	---	---
Dibromo-3-chloropropane, 1,2-	1.4E+03	7.1E+02	4.3E+00	1.5E+01	---	1.7E-03	8.7E-04	1.7E-01	8.7E-02	1.4E+03	7.1E+02	4.7E+04	3.0E+03
Dibromofluoromethane	---	---	---	---	---	---	---	---	---	---	---	---	---
Dicamba	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,2-	---	---	---	---	---	1.8E+01	8.9E+00	1.8E+03	8.9E+02	---	---	---	---
Dichlorobenzene, 1,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,4-	---	---	2.5E+02	---	---	2.1E+00	1.1E+00	2.1E+02	1.1E+02	---	---	---	---
Dichlorobenzidine, 3,3-	---	---	1.3E+01	4.6E+01	---	6.3E-02	3.1E-02	6.3E+00	3.1E+00	---	---	---	---
Dichlorobutane, 2,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloro-2-butene, 1,4-	3.2E-01	1.6E-01	---	---	---	---	---	---	---	3.2E-01	1.6E-01	1.0E+01	6.5E-01
Dichloro-2-butene, 1,4- trans	3.3E-01	1.7E-01	---	---	---	---	---	---	---	3.3E-01	1.7E-01	1.1E+01	6.9E-01
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloroethane, 1,1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloroethane, 1,2-	1.4E+01	7.1E+00	6.7E+01	---	---	1.4E-02	6.9E-03	1.4E+00	6.9E-01	1.4E+01	7.1E+00	9.1E+01	5.9E+00
Dichloroethylene, 1,1-	---	---	---	---	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	---	---	---	---
Dichloroethylene, cis-1,2-	---	---	---	---	---	2.5E-01	1.2E-01	2.5E+01	1.2E+01	---	---	---	---
Dichloroethylene, trans-1,2	---	---	---	---	---	4.9E-01	2.5E-01	4.9E+01	2.5E+01	---	---	---	---
Dichlorophenol, 2,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 2,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 2,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 2,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 3,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 3,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	---	---	---	---	---	2.6E+00	1.3E+00	2.6E+02	1.3E+02	---	---	---	---
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloropropane, 1,2-	---	---	8.9E+01	---	---	2.3E-02	1.1E-02	2.3E+00	1.1E+00	---	---	---	---
Dichloropropane, 1,3-	9.0E+01	4.6E+01	6.1E+01	---	---	6.4E-02	3.2E-02	6.4E+00	3.2E+00	9.0E+01	4.6E+01	1.8E+03	1.2E+02
Dichloropropane, 2,2-	---	---	8.9E+01	---	---	1.2E-01	6.0E-02	1.2E+01	6.0E+00	---	---	---	---
Dichloropropanol, 2,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloropropene, 1,1-	9.0E+01	4.6E+01	6.1E+01	---	---	1.3E-01	6.7E-02	1.3E+01	6.7E+00	9.0E+01	4.6E+01	2.8E+02	1.8E+01
Dichloropropene, 1,3- (mixed isomers)	9.0E+01	4.6E+01	6.1E+01	---	---	3.9E-02	2.0E-02	3.9E+00	2.0E+00	9.0E+01	4.6E+01	7.7E+02	5.0E+01
Dichloropropene, cis 1,3-	---	---	1.1E+01	---	---	6.6E-03	3.3E-03	6.6E-01	3.3E-01	---	---	---	---
Dichloropropene, trans 1,3-	9.0E+01	4.6E+01	6.1E+01	---	---	3.6E-02	1.8E-02	3.6E+00	1.8E+00	9.0E+01	4.6E+01	7.5E+02	4.8E+01
Dichlorvos	---	---	2.1E+01	7.2E+01	---	4.9E+05	2.4E+05	1.0E+06	1.0E+06	---	---	---	---
Dicrotophos (bidrin)	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Dicyclopentadiene	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	3.2E+01	1.6E+01	3.8E-01	1.3E+00	2.9E-01	4.9E-02	2.4E-02	4.9E+00	2.4E+00	3.2E+01	1.6E+01	1.1E+05	7.0E+03
Diethanolamine	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethylene glycol	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethylene glycol monobutyl ether	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethylhexyl adipate	---	---	5.1E+03	1.7E+04	---	6.1E+03	3.0E+03	6.1E+05	3.0E+05	---	---	---	---
Diethylstilbestrol	---	---	1.3E-03	4.4E-03	2.5E-03	5.8E-04	2.9E-04	5.8E-02	2.9E-02	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	---	---	---	---	---	---	---	---	---	---	---	---	---
Diisopropyl ether (2,2'-oxybis-propane)	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethenamid	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethoate	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethoxybenzidine, 3,3'-	---	---	4.3E+02	1.5E+03	---	2.8E-01	1.4E-01	2.8E+01	1.4E+01	---	---	---	---
Dimethylaminoazobenzene, p-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylbenz-a-anthracene, 7,12-	1.2E+02	6.3E+01	2.4E-02	6.4E-02	3.7E-01	1.2E+00	6.2E-01	1.2E+02	6.2E+01	1.4E+02	7.3E+01	1.0E+06	7.3E+05
Dimethylbenzidine, 3,3'-	---	---	6.6E-01	2.3E+00	---	9.8E-04	4.9E-04	9.8E-02	4.9E-02	---	---	---	---
Dimethylnaphthalene, 1,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phenol, 2,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylphenethylamine, alpha, alpha-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	---	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrobenzene, 1,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	---	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrophenol, 2,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrophenol, 2,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrotoluene, 2,4-	---	---	8.9E+00	3.1E+01	---	5.3E-03	2.7E-03	5.3E-01	2.7E-01	---	---	---	---
Dinitrotoluene, 2,6-	---	---	8.9E+00	3.1E+01	---	4.8E-03	2.4E-03	4.8E-01	2.4E-01	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---
Dinoseb	---	---	---	---	---	3.5E-01	1.8E-01	3.5E+01	1.8E+01	---	---	---	---
Dioxane 1,4-	---	---	5.5E+02	---	---	1.6E-01	8.0E-02	1.6E+01	8.0E+00	---	---	---	---
Diphenylamine	---	---	---	---	---	---	---	---	---	---	---	---	---
Diphenylhydrazine, 1,2-	1.4E+02	7.2E+01	7.6E+00	2.6E+01	---	3.2E-02	1.6E-02	3.2E+00	1.6E+00	1.4E+02	7.2E+01	1.1E+05	7.0E+03
Diphenyl oxide	---	---	---	---	---	---	---	---	---	---	---	---	---
Diquat	---	---	---	---	---	2.0E-01	1.0E-01	2.0E+01	1.0E+01	---	---	---	---
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	---	---	---	---	---	---	---	---	---	---	---	---
Disulfoton	---	---	---	---	---	---	---	---	---	---	---	---	---
Diuron	---	---	---	---	---	---	---	---	---	---	---	---	---
Dodecylphenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan I	---	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan II	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Endosulfan sulfate	---	---	---	---	---	---	---	---	---	---	---	---	---
Endothall	---	---	---	---	---	5.3E-01	2.7E-01	5.3E+01	2.7E+01	---	---	---	---
Endrin	---	---	---	---	---	7.5E-01	3.8E-01	7.5E+01	3.8E+01	---	---	---	---
Endrin aldehyde	---	---	---	---	---	---	---	---	---	---	---	---	---
Endrin ketone	---	---	---	---	---	---	---	---	---	---	---	---	---
Epichlorohydrin	5.1E+02	2.6E+02	6.1E+02	---	---	1.8E-01	9.2E-02	1.8E+01	9.2E+00	5.1E+02	2.6E+02	2.7E+04	1.8E+03
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	---	---	---	---	---	---	---	---	---	---	---	---
Esfenvalerate	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethalfluralin (sonolan)	---	---	6.8E+01	2.3E+02	4.5E+02	2.5E+01	1.2E+01	2.5E+03	1.2E+03	---	---	---	---
Ethanol	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethion	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethoprop	---	---	2.2E+02	7.4E+02	---	1.6E+00	8.2E-01	1.6E+02	8.2E+01	---	---	---	---
Ethoxy ethanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl acetate	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl acrylate	---	---	1.3E+02	---	---	1.2E-01	5.9E-02	1.2E+01	5.9E+00	---	---	---	---
Ethyl benzene	---	---	---	---	---	7.6E+00	3.8E+00	7.6E+02	3.8E+02	---	---	---	---
Ethyl dipropylthiocarbamate, S-	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene*	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide (dibromoethane, 1,2-)	2.6E+00	1.4E+00	7.1E-02	---	---	2.1E-04	1.0E-04	2.1E-02	1.0E-02	2.6E+00	1.4E+00	6.3E+01	4.1E+00
Ethylene glycol	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenimine	1.3E-01	6.8E-02	9.3E-02	---	---	2.8E-05	1.4E-05	2.8E-03	1.4E-03	1.3E-01	6.8E-02	2.8E+01	1.8E+00
Ethylene oxide	3.6E+00	1.8E+00	6.0E+00	---	---	1.8E-03	9.0E-04	1.8E-01	9.0E-02	3.6E+00	1.8E+00	8.4E+01	5.5E+00
Ethylene thiourea	---	---	5.5E+01	1.9E+02	---	1.6E-02	8.0E-03	1.6E+00	8.0E-01	---	---	---	---
Ethyl ether	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-1-hexanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-2-hexenal, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylhexyl acrylate, 2-	---	---	1.3E+02	4.3E+02	---	7.7E+00	3.8E+00	7.7E+02	3.8E+02	---	---	---	---
Ethyl methacrylate	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl methanesulfonate	1.2E+02	6.1E+01	6.1E+01	2.1E+02	---	1.8E-02	8.9E-03	1.8E+00	8.9E-01	1.2E+02	6.1E+01	3.6E+04	2.3E+03
Ethyl-2-methyl benzene, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-4-methyl benzene, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	---	---	---	---	---	---	---	---	---	---	---	---	---
Famphur	---	---	---	---	---	---	---	---	---	---	---	---	---
Fensulfothion	---	---	---	---	---	---	---	---	---	---	---	---	---
Fenthion	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorine (soluble fluoride)	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluorochloridone	---	---	---	---	---	---	---	---	---	---	---	---	---
Fonofos	---	---	---	---	---	---	---	---	---	---	---	---	---
Formaldehyde	1.6E+02	8.3E+01	---	---	---	---	---	---	---	1.6E+02	8.3E+01	2.8E+04	1.8E+03
Formic acid	---	---	---	---	---	---	---	---	---	---	---	---	---

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	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Furan	---	---	---	---	---	---	---	---	---	---	---	---	---
Furfural	---	---	---	---	---	---	---	---	---	---	---	---	---
Glycidylaldehyde	---	---	---	---	---	---	---	---	---	---	---	---	---
Glyphosate	---	---	---	---	---	1.3E+00	6.7E-01	1.3E+02	6.7E+01	---	---	---	---
Heptachlor	9.1E+00	4.7E+00	1.3E+00	4.6E+00	1.5E-01	1.9E-01	9.4E-02	1.9E+01	9.4E+00	9.1E+00	4.7E+00	3.0E+03	1.9E+02
Heptachlor epoxide	2.4E+01	1.2E+01	6.7E-01	2.3E+00	4.5E-01	5.8E-02	2.9E-02	5.8E+00	2.9E+00	2.4E+01	1.2E+01	3.5E+04	2.2E+03
Heptane, n-	---	---	---	---	---	---	---	---	---	---	---	---	---
Heptanoic acid, n-	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	1.9E+01	9.8E+00	3.8E+00	1.3E+01	1.9E+00	1.1E+00	5.6E-01	1.1E+02	5.6E+01	1.9E+01	9.8E+00	6.4E+03	4.2E+02
Hexachlorobutadiene	2.9E+01	1.5E+01	7.8E+01	2.7E+02	---	3.3E+00	1.6E+00	3.3E+02	1.6E+02	2.9E+01	1.5E+01	2.5E+03	1.6E+02
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E+01	7.2E+00	9.6E-01	8.2E+00	3.7E-01	7.9E-03	4.0E-03	7.9E-01	4.0E-01	1.4E+01	7.2E+00	8.4E+03	5.4E+02
Hexachlorocyclohexane, beta (beta-BHC)	7.2E+01	3.7E+01	3.4E+00	2.9E+01	1.4E+00	2.9E-02	1.4E-02	2.9E+00	1.4E+00	7.2E+01	3.7E+01	6.6E+04	4.2E+03
Hexachlorocyclohexane, delta (delta-BHC)	1.0E+02	5.2E+01	3.4E+00	2.9E+01	---	1.7E-01	8.7E-02	1.7E+01	8.7E+00	1.0E+02	5.2E+01	1.2E+05	8.0E+03
Hexachlorocyclohexane, gamma (lindane, gamma-BHC)	---	---	4.7E+00	4.0E+01	1.5E+00	9.2E-03	4.6E-03	9.2E-01	4.6E-01	---	---	---	---
Hexachlorocyclohexane, techn (technical-BHC)	8.9E+01	4.6E+01	3.4E+00	2.9E+01	2.4E+00	5.0E-02	2.5E-02	5.0E+00	2.5E+00	8.9E+01	4.6E+01	9.7E+04	6.3E+03
Hexachlorocyclopentadiene (HCCPD)	---	---	---	---	---	1.9E+01	9.6E+00	1.9E+03	9.6E+02	---	---	---	---
Hexachloroethane	9.6E+02	5.0E+02	4.3E+02	1.5E+03	---	4.9E+00	2.4E+00	4.9E+02	2.4E+02	9.6E+02	5.0E+02	1.1E+05	6.9E+03
Hexachlorophene	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloropropylene	9.9E+02	5.1E+02	4.3E+02	1.5E+03	---	2.8E+01	1.4E+01	2.8E+03	1.4E+03	9.9E+02	5.1E+02	1.8E+05	1.2E+04
Hexane, n-	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexanediol, 1,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexanoic acid	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexanone, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexazinone	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexylene glycol (2-methyl-2,4-pentanediol)	---	---	---	---	---	---	---	---	---	---	---	---	---
Hydrazine	4.6E-01	2.4E-01	2.0E+00	---	---	5.8E-04	2.9E-04	5.8E-02	2.9E-02	4.6E-01	2.4E-01	9.8E+01	6.4E+00
Hydrogen chloride (hydrochloric acid)*	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	---	---	---	---	---	---	---	---	---	---	---	---	---
Indeno-1,2,3-cd-pyrene	2.3E+04	1.2E+04	8.3E+00	2.2E+01	1.1E+02	1.7E+02	8.7E+01	1.7E+04	8.7E+03	2.5E+04	1.3E+04	1.0E+06	1.0E+06
Iron*	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutylene (2-methyl-1-propene)	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyric acid (2-methylpropanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Isodrin	1.7E+00	8.9E-01	3.6E-02	1.2E-01	---	1.5E+00	7.4E-01	1.5E+02	7.4E+01	1.7E+00	9.0E-01	9.4E+03	6.1E+02
Isophorone	---	---	6.4E+03	2.2E+04	---	3.0E+00	1.5E+00	3.0E+02	1.5E+02	---	---	---	---
Isopropyl acetate	---	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---	---
Isosafrole	9.1E+01	4.7E+01	2.8E+01	9.4E+01	---	1.3E-01	6.5E-02	1.3E+01	6.5E+00	9.1E+01	4.7E+01	1.3E+04	8.6E+02
Kelthane (dicofol)	---	---	---	---	---	---	---	---	---	---	---	---	---
Kepone (chlordecone)	4.8E+01	2.5E+01	3.8E-01	1.3E+00	9.6E-01	6.2E-02	3.1E-02	6.2E+00	3.1E+00	4.9E+01	2.5E+01	2.5E+05	1.6E+04
Lead (inorganic)	NA	NA	NA	NA	NA	3.0E+00	1.5E+00	3.0E+02	1.5E+02	---	---	---	---
Limonene, d-*	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
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Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Lithium[2]	---	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	---	---	---	---	---	---	---	---	---	---	---	---	---
Maleic anhydride	---	---	---	---	---	---	---	---	---	---	---	---	---
Maleic hydrazide	---	---	---	---	---	---	---	---	---	---	---	---	---
Malononitrile	---	---	---	---	---	---	---	---	---	---	---	---	---
Mancozeb	---	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---	---	---	---
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Merphos	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury[3]	---	---	---	---	---	7.8E-03	3.9E-03	7.8E-01	3.9E-01	---	---	---	---
Methacrylic acid (2-methyl-2-propenoic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Methacrylonitrile	---	---	---	---	---	---	---	---	---	---	---	---	---
Methanol	---	---	---	---	---	---	---	---	---	---	---	---	---
Methapyrilene	---	---	1.3E+00	4.4E+00	---	5.3E-04	2.6E-04	5.3E-02	2.6E-02	---	---	---	---
Methomyl	---	---	---	---	---	---	---	---	---	---	---	---	---
Methoxychlor	---	---	---	---	---	1.2E+02	6.2E+01	1.2E+04	6.2E+03	---	---	---	---
Methoxyethanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate (acetic acid, methyl ester)	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acrylate	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl amyl ketone (2-heptanone)	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-1-butene, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-2-butene, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylcholanthrene, 3-	1.5E+03	7.8E+02	2.8E-01	7.3E-01	5.0E+00	1.5E+01	7.6E+00	1.5E+03	7.6E+02	1.8E+03	9.0E+02	1.0E+06	1.0E+06
Methyl chrysene, 1-	1.0E+06	1.0E+06	8.3E+02	2.2E+03	1.3E+04	2.2E+04	1.1E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Methyl chrysene, 2-	1.0E+06	1.0E+06	8.3E+02	2.2E+03	1.3E+04	2.2E+04	1.1E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Methyl chrysene, 6-	2.1E+05	1.1E+05	8.3E+01	2.2E+02	1.0E+03	1.8E+03	8.8E+02	1.8E+05	8.8E+04	2.3E+05	1.2E+05	1.0E+06	1.0E+06
Methyl cyclohexane	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylene-bis (2-chloroaniline) 4,4'-	2.7E+03	1.4E+03	4.7E+01	1.6E+02	---	2.2E+00	1.1E+00	2.2E+02	1.1E+02	2.7E+03	1.4E+03	1.0E+06	4.1E+05
Methylene bromide (dibromomethane)	---	---	8.1E+02	---	---	1.1E+00	5.6E-01	1.1E+02	5.6E+01	---	---	---	---
Methylene chloride (dichloromethane)	7.6E+02	3.9E+02	8.1E+02	---	---	1.3E-02	6.5E-03	1.3E+00	6.5E-01	7.6E+02	3.9E+02	3.3E+03	2.2E+02
Methyl ethyl ketone (2-butanone)	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl iodide (iodomethane)	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl isobutyl ketone (4-methyl-2-pentanone)	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl mercury	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylmecury hydroxide	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl methacrylate	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl methanesulfonate	1.1E+02	5.7E+01	6.1E+01	2.1E+02	---	1.8E-02	8.9E-03	1.8E+00	8.9E-01	1.1E+02	5.7E+01	3.2E+04	2.1E+03
Methylnaphthalene, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylnaphthalene, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	---	---	1.8E+02	6.3E+02	---	1.4E-01	7.1E-02	1.4E+01	7.1E+00	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
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Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Methyl parathion	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-2-pentenal, 2-	---	---	3.2E+00	---	---	1.5E-03	7.3E-04	1.5E-01	7.3E-02	---	---	---	---
Methyl-1-propanal, 2- (isobutyraldehyde)	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylpyrrolidone, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyltetrahydrofuran, 2-	1.9E+02	9.7E+01	8.0E+02	---	---	2.7E-01	1.4E-01	2.7E+01	1.4E+01	1.9E+02	9.7E+01	4.2E+03	2.7E+02
Methyltetrahydropyran, 2-	2.2E+02	1.1E+02	8.0E+02	---	---	3.3E-01	1.6E-01	3.3E+01	1.6E+01	2.2E+02	1.1E+02	5.7E+03	3.7E+02
Metolachlor	---	---	---	---	---	---	---	---	---	---	---	---	---
Metribuzin	---	---	---	---	---	---	---	---	---	---	---	---	---
Mirex	---	---	---	---	---	---	---	---	---	---	---	---	---
Molinate	---	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	---	---	---	---	---	---	---	---	---	---	---	---	---
Morpholine	---	---	---	---	---	---	---	---	---	---	---	---	---
MTBE (methyl tert-butyl ether)	1.4E+03	7.1E+02	3.4E+03	---	---	1.3E+00	6.4E-01	1.3E+02	6.4E+01	1.4E+03	7.1E+02	1.0E+04	6.6E+02
Naled	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthoquinone, 1,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthylamine, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Naphthylamine, 2-	---	---	3.4E+00	1.2E+01	---	1.3E-02	6.4E-03	1.3E+00	6.4E-01	---	---	---	---
Napropamide	---	---	---	---	---	---	---	---	---	---	---	---	---
Neopentyl glycol	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel and compounds	4.7E+04	2.4E+04	---	---	---	---	---	---	---	---	---	---	---
Nitrate	---	---	---	---	---	1.9E+01	9.6E+00	1.9E+03	9.6E+02	---	---	---	---
Nitrite	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitroaniline, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitroaniline, 3-	---	---	1.6E+02	5.5E+02	---	8.4E-02	4.2E-02	8.4E+00	4.2E+00	---	---	---	---
Nitroaniline, 4-	---	---	1.6E+02	5.5E+02	---	5.7E-02	2.8E-02	5.7E+00	2.8E+00	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitroglycerin	---	---	4.3E+02	1.5E+03	---	3.7E-01	1.8E-01	3.7E+01	1.8E+01	---	---	---	---
Nitrophenol, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrophenol, 3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrophenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitropropane, 2-	1.3E-01	6.8E-02	---	---	---	---	---	---	---	1.3E-01	6.8E-02	3.6E+00	2.3E-01
Nitroquinoline-N-oxide, 4-	1.9E+00	9.7E-01	6.5E-01	2.2E+00	---	2.3E-04	1.2E-04	2.3E-02	1.2E-02	1.9E+00	9.7E-01	2.7E+04	1.3E+04
Nitrosodiethanolamine, N-	---	---	2.2E+00	7.4E+00	---	6.6E-04	3.3E-04	6.6E-02	3.3E-02	---	---	---	---
Nitrosodiethylamine, N-	6.6E-02	3.4E-02	4.0E-02	---	---	1.2E-05	6.2E-06	1.2E-03	6.2E-04	6.6E-02	3.4E-02	1.5E+01	9.7E-01
Nitrosodimethylamine, N-	2.0E-01	1.0E-01	1.2E-01	---	---	3.7E-05	1.8E-05	3.7E-03	1.8E-03	2.0E-01	1.0E-01	4.2E+01	2.7E+00
Nitrosodi-n-butylamine, N-	1.0E+00	5.3E-01	1.1E+00	3.8E+00	---	1.9E-03	9.4E-04	1.9E-01	9.4E-02	1.0E+00	5.3E-01	5.2E+01	3.4E+00
Nitrosodi-n-propylamine, N-	---	---	8.7E-01	7.4E-01	---	3.5E-04	1.8E-04	3.5E-02	1.8E-02	---	---	---	---
Nitrosodiphenylamine, N-	---	---	1.2E+03	1.1E+03	---	2.8E+00	1.4E+00	2.8E+02	1.4E+02	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	---	---	2.8E-01	---	---	1.1E-04	5.7E-05	1.1E-02	5.7E-03	---	---	---	---
Nitrosomorpholine, N-	1.7E+00	8.8E-01	9.1E-01	3.1E+00	---	2.6E-04	1.3E-04	2.6E-02	1.3E-02	1.7E+00	8.8E-01	5.2E+02	3.4E+01
Nitroso-N-ethylurea, N-	---	---	4.3E-02	1.5E-01	---	2.1E-05	1.0E-05	2.1E-03	1.0E-03	---	---	---	---
Nitrosopiperidine, N-	1.3E+00	6.9E-01	6.5E-01	2.2E+00	---	2.1E-04	1.0E-04	2.1E-02	1.0E-02	1.3E+00	6.9E-01	3.5E+02	2.3E+01

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Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Nitrosopyrrolidine, N-	5.8E+00	3.0E+00	2.9E+00	9.9E+00	---	8.4E-04	4.2E-04	8.4E-02	4.2E-02	5.8E+00	3.0E+00	1.9E+03	1.2E+02
Nitrotoluene, m-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrotoluene, o-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrotoluene, p-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nonachlor, cis-	1.2E+03	6.4E+02	1.7E+01	5.9E+01	9.7E+00	1.3E+01	6.3E+00	1.3E+03	6.3E+02	1.2E+03	6.4E+02	1.0E+06	2.4E+05
Nonachlor, trans-	1.2E+03	6.4E+02	1.7E+01	5.9E+01	9.7E+00	1.3E+01	6.3E+00	1.3E+03	6.3E+02	1.2E+03	6.4E+02	1.0E+06	2.4E+05
Nonanal	---	---	---	---	---	---	---	---	---	---	---	---	---
Nonylphenol	---	---	---	---	---	---	---	---	---	---	---	---	---
Octamethylpyrophosphoramide	---	---	---	---	---	---	---	---	---	---	---	---	---
Octanone	---	---	---	---	---	---	---	---	---	---	---	---	---
Oxamyl	---	---	---	---	---	4.2E-01	2.1E-01	4.2E+01	2.1E+01	---	---	---	---
Oxychlordane	1.2E+03	6.4E+02	1.7E+01	5.9E+01	9.7E+00	1.3E+01	6.3E+00	1.3E+03	6.3E+02	1.2E+03	6.4E+02	1.0E+06	2.4E+05
Paraquat	---	---	---	---	---	---	---	---	---	---	---	---	---
Parathion (ethyl parathion)	---	---	---	---	---	---	---	---	---	---	---	---	---
Pebulate	---	---	---	---	---	---	---	---	---	---	---	---	---
Pendimethalin	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorobenzene	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachloroethane	9.4E+01	4.8E+01	2.3E+02	---	---	3.4E-01	1.7E-01	3.4E+01	1.7E+01	9.4E+01	4.8E+01	2.8E+03	1.8E+02
Pentachloronitrobenzene	---	---	2.3E+01	8.0E+01	2.3E+01	1.8E+00	9.2E-01	1.8E+02	9.2E+01	---	---	---	---
Pentachlorophenol	---	---	5.1E+01	6.9E+01	2.6E+00	1.8E-02	9.2E-03	1.8E+00	9.2E-01	---	---	---	---
Pentadiene, 1,3-trans-	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentaerythritol tetranitrate (PETN)	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentane	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentanediol, 1,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentanone, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentyne, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Perchlorate	---	---	---	---	---	---	---	---	---	---	---	---	---
Perylene	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenacetin	1.1E+04	5.6E+03	2.8E+03	9.4E+03	---	1.2E+00	6.2E-01	1.2E+02	6.2E+01	1.1E+04	5.6E+03	1.0E+06	2.3E+05
Phenanthrene	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthridine	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenylene diamine, m-	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenylene diamine, p-	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenyl mercuric acetate	---	---	---	---	---	---	---	---	---	---	---	---	---
Phorate	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosalone	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosdrin (mevinphos)	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosmet	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphine	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, total*	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	---	---	---	---	---	---	---	---	---	---	---	---	---
Phthalic anhydride	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Picloram	---	---	---	---	---	9.8E-01	4.9E-01	9.8E+01	4.9E+01	---	---	---	---
Picoline, 2- (2-methylpyridine)	---	---	---	---	---	---	---	---	---	---	---	---	---
Polybrominated biphenyls (PBBs)	---	---	6.8E-01	2.3E+00	9.9E-03	9.0E-03	4.5E-03	9.0E-01	4.5E-01	---	---	---	---
Polychlorinated biphenyls (PCBs)	5.4E+01	2.8E+01	3.0E+00	7.4E+00	1.3E+01	1.1E+01	5.3E+00	1.1E+03	5.3E+02	5.4E+01	2.8E+01	6.2E+04	4.0E+03
Potassium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Primene	---	---	---	---	---	---	---	---	---	---	---	---	---
Prometon (pramitol)	---	---	---	---	---	---	---	---	---	---	---	---	---
Pronamide	---	---	---	---	---	---	---	---	---	---	---	---	---
Propanal (propionaldehyde)	---	---	---	---	---	---	---	---	---	---	---	---	---
Propanil	---	---	---	---	---	---	---	---	---	---	---	---	---
Propanoic acid (propionic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Propanol, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Propargite	---	---	---	---	---	---	---	---	---	---	---	---	---
Propargyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---	---
Propazine	---	---	1.4E+02	4.7E+02	---	9.5E-01	4.7E-01	9.5E+01	4.7E+01	---	---	---	---
Propham	---	---	---	---	---	---	---	---	---	---	---	---	---
Propionitrile (propane nitrile)	---	---	---	---	---	---	---	---	---	---	---	---	---
Propyl acetate, n-	---	---	---	---	---	---	---	---	---	---	---	---	---
Propylbenzene, n-	---	---	---	---	---	---	---	---	---	---	---	---	---
Propylene glycol	---	---	---	---	---	---	---	---	---	---	---	---	---
Propylene glycol monomethyl ether	---	---	---	---	---	---	---	---	---	---	---	---	---
Propylene oxide	9.7E+01	5.0E+01	2.5E+01	---	---	7.5E-03	3.8E-03	7.5E-01	3.8E-01	9.7E+01	5.0E+01	3.1E+03	2.0E+02
Propylene tetramer	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyridine	---	---	---	---	---	---	---	---	---	---	---	---	---
Quinoline	---	---	2.0E+00	6.9E+00	---	7.5E-03	3.8E-03	7.5E-01	3.8E-01	---	---	---	---
Ronnel	---	---	---	---	---	---	---	---	---	---	---	---	---
Safrole	6.7E+01	3.4E+01	2.8E+01	9.4E+01	---	1.6E-01	8.2E-02	1.6E+01	8.2E+00	6.7E+01	3.4E+01	7.5E+03	4.8E+02
Selenium	---	---	---	---	---	2.3E+00	1.1E+00	2.3E+02	1.1E+02	---	---	---	---
Selenourea	---	---	---	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---	---	---	---
Simazine	---	---	5.1E+01	1.7E+02	---	5.5E-02	2.8E-02	5.5E+00	2.8E+00	---	---	---	---
Sodium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	---	---	2.2E+01	---	---	---	---	---	---	---	---	---	---
Sodium polyacrylate	---	---	---	---	---	---	---	---	---	---	---	---	---
Strontium	---	---	---	---	---	---	---	---	---	---	---	---	---
Strychnine	---	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	---	3.3E+00	1.6E+00	3.3E+02	1.6E+02	---	---	---	---
Sulfate*	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfur*	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	NA	NA	NA	NA	NA	1.7E-02	8.5E-03	1.7E+00	8.5E-01	---	---	---	---

Table 3

Tier 1 Groundwater PCLs[1]
Residential and Commercial/Industrial

		Residential												Commercial/Industrial												
		$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			$^{GW}GW_{Ing}$[2]			$^{GW}GW_{Class\ 3}$[3]			$^{Air}GW_{Inh-V}$ 0.5 acre source area			$^{Air}GW_{Inh-V}$ 30 acre source area			Secondary MCL[5]
Chemical of Concern	CAS	(mg/L)		note[4]	(mg/L)		note[4]	(mg/L)		note[4]	(mg/L)		note[4]	(mg/L)		note[4]	(mg/L)		note[4]	(mg/L)		note[4]	(mg/L)		note[4]	(mg/L)
>21-35 C aromatics (TPH)	NA	7.3E-01	n	> S	7.3E+01	n	> S	---	---	---	---	---	---	2.2E+00	n	> S	2.2E+02	n	> S	---	---	---	---	---	---	---
Transformer mineral oil	NA	1.3E+01	n	>S	1.3E+03	n	>S	5.6E+01	n	---	7.3E+00	n	---	4.0E+01	n	>S	4.0E+03	n	>S	7.9E+01	n	---	1.0E+01	n	---	---

Footnotes

[1]In accordance with §350.72(b), when establishing Tier 1 PCLs for individual COCs for each of the individual and combined human health exposure pathways, the person must evaluate whether the PCLs need to be adjusted to lower concentrations to meet the cum

[2]based on primary MCLs when available

[3]100 x $^{GW}GW_{Ing}$

[4]c = carcinogenic; n = noncarcinogenic; m = primary MCL-based; a = EPA Action Level-based; > S = solubility limit exceeded during calculation; < GW Ing = less than $^{GW}GW_{Ing}$ value

[5]Values for ammonia and MTBE are based on taste and odor.

[6]The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[7]Persons must use the value provided in the "Secondary MCL" column of this table as the $^{GW}GW_{Ing}$ PCL for MTBE if the conditions described in §350.74(f)(3) exist.

[8]The range of residential groundwater ingestion PCLs for perchlorate obtained when using the provisional RfD range recommended by USEPA's NCEA is 2.4E-03 to 1.2E-02 mg/L. Given the uncertainties associated with the toxicity of perchlorate, a value at the

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Ca

All values capped at 1E+06

Table 4
Combined Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Tot}Soil_{Comb}$ (Includes Inhalation, Ingestion, dermal, and vegetable consumption pathways)			
	0.5 acre source area		30 acre source area	
	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Coumaphos	---	4.3E+02	---	4.3E+02
Cresol	---	1.6E+03	---	1.1E+03
Cresol, m- (3-methylphenol)	---	1.6E+03	---	1.1E+03
Cresol, o- (2-methylphenol)	---	1.5E+03	---	1.0E+03
Cresol, p- (4-methylphenol)	---	3.0E+02	---	2.7E+02
Crotonaldehyde	3.2E+00	1.9E+02	3.2E+00	9.9E+01
Cumene (isopropylbenzene)	---	4.3E+03	---	3.0E+03
Cyanazine	5.6E+00	1.3E+02	5.6E+00	1.3E+02
Cyanide	---	1.6E+03	---	1.6E+03
Cyanogen	---	2.9E+02	---	1.6E+02
Cycloate	---	3.7E+03	---	3.7E+03
Cyclohexane	---	7.5E+04	---	4.2E+04
Cyclohexanol	---	2.9E+04	---	1.5E+04
Cyclohexanone	---	4.9E+03	---	2.6E+03
Cyclotetramethylenetetranitramine (HMX)	---	3.5E+02	---	2.0E+02
Cyclotrimethylenetrinitramine (RDX)	4.3E+01	4.4E+01	4.3E+01	2.5E+01
Cymene (isopropyltoluene)	---	3.7E+03	---	2.5E+03
Cymoxanil	---	8.7E+02	---	8.7E+02
Dacthal (DCPA)	---	6.2E+02	---	6.2E+02
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	2.0E+03	---	2.0E+03
DDD	1.4E+01	---	1.4E+01	---
DDE	1.0E+01	---	1.0E+01	---
DDT	5.4E+00	1.9E+01	5.4E+00	1.9E+01
Demeton	---	2.7E+00	---	2.7E+00
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	2.7E+03	---	2.7E+03
Diallate	3.8E+01	---	3.8E+01	---
Diazinon	---	3.1E+01	---	2.1E+01
Dibenz-a,h-acridine	3.7E+00	---	3.7E+00	---
Dibenz-a,h-anthracene	5.5E-01	---	5.5E-01	---
Dibenz-a,j-acridine	5.8E+00	---	5.8E+00	---
Dibenzofuran	---	2.7E+02	---	2.7E+02
Dibenzothiophene	---	1.9E+02	---	1.9E+02
Dibromochloromethane (chlorodibromomethane)	7.2E+01	1.6E+03	7.2E+01	1.6E+03
Dibromo-3-chloropropane, 1,2-	3.3E+00	8.1E+00	3.3E+00	4.2E+00
Dibromofluoromethane	---	1.3E+04	---	1.2E+04
Dicamba	---	9.4E+02	---	6.3E+02
Dichlorobenzene, 1,2-	---	7.2E+02	---	3.9E+02
Dichlorobenzene, 1,3-	---	1.2E+02	---	6.2E+01
Dichlorobenzene, 1,4-	2.5E+02	1.8E+04	2.5E+02	9.1E+03
Dichlorobenzidine, 3,3-	1.0E+01	---	1.0E+01	---
Dichlorobutane, 2,3-	---	9.5E+01	---	5.2E+01
Dichloro-2-butene, 1,4-	3.2E-01	---	1.6E-01	---
Dichloro-2-butene, 1,4- trans	3.3E-01	---	1.7E-01	---
Dichlorodifluoromethane	---	1.3E+04	---	1.2E+04
Dichloroethane, 1,1-	---	3.5E+03	---	2.3E+03
Dichloroethane, 1,2-	1.1E+01	3.7E+04	6.4E+00	1.9E+04
Dichloroethylene, 1,1-	---	1.8E+03	---	1.1E+03
Dichloroethylene, cis-1,2-	---	7.7E+02	---	7.2E+02
Dichloroethylene, trans-1,2	---	1.4E+03	---	1.3E+03
Dichlorophenol, 2,3-	---	2.0E+02	---	2.0E+02
Dichlorophenol, 2,4-	---	2.0E+02	---	1.9E+02
Dichlorophenol, 2,5-	---	2.0E+02	---	2.0E+02
Dichlorophenol, 2,6-	---	6.5E+01	---	6.5E+01
Dichlorophenol, 3,4-	---	2.0E+02	---	2.0E+02
Dichlorophenol, 3,5-	---	2.0E+02	---	2.0E+02
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	---	4.9E+02	---	3.7E+02
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	5.3E+02	---	5.3E+02
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	6.7E+02	---	6.7E+02
Dichloropropane, 1,2-	8.9E+01	6.1E+01	8.9E+01	3.1E+01
Dichloropropane, 1,3-	3.6E+01	2.7E+02	2.6E+01	1.5E+02
Dichloropropane, 2,2-	8.9E+01	6.1E+01	8.9E+01	3.1E+01
Dichloropropanol, 2,3-	---	2.0E+02	---	2.0E+02
Dichloropropene, 1,1-	3.6E+01	2.7E+02	2.6E+01	1.5E+02
Dichloropropene, 1,3- (mixed isomers)	3.6E+01	2.7E+02	2.6E+01	1.5E+02
Dichloropropene, cis 1,3-	1.1E+01	7.6E+00	1.1E+01	7.1E+00
Dichloropropene, trans 1,3-	3.6E+01	2.7E+02	2.6E+01	1.5E+02
Dichlorvos	1.6E+01	3.3E+01	1.6E+01	3.3E+01
Dicrotophos (bidrin)	---	6.7E+00	---	6.7E+00
Dicyclopentadiene	---	2.5E+03	---	2.5E+03
Dieldrin	1.5E-01	2.2E+00	1.5E-01	2.2E+00
Diethanolamine	---	3.0E+01	---	2.7E+01
Diethyl phthalate	---	2.7E+03	---	1.4E+03
Diethylene glycol	---	1.3E+05	---	1.3E+05

Table 4
Combined Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Tot}Soil_{Comb}$ (Includes inhalation, ingestion, dermal, and vegetable consumption pathways)			
	0.5 acre source area		30 acre source area	
	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Diethylene glycol monobutyl ether	---	2.4E+03	---	1.5E+03
Diethylhexyl adipate	3.9E+03	1.8E+04	3.9E+03	1.2E+04
Diethylstilbestrol	7.1E-04	---	7.1E-04	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	---	1.9E+03	---	1.2E+03
Diisopropyl ether (2,2'-oxybis-propane)	---	5.3E+03	---	4.0E+03
Dimethenamid	---	1.0E+03	---	1.0E+03
Dimethoate	---	1.3E+01	---	1.3E+01
Dimethoxybenzidine, 3,3'-	3.4E+02	---	3.4E+02	---
Dimethylaminoazobenzene, p-	---	6.4E-01	---	6.4E-01
Dimethylbenz-a-anthracene, 7,12-	1.7E-02	---	1.7E-02	---
Dimethylbenzidine, 3,3'-	5.1E-01	---	5.1E-01	---
Dimethylnaphthalene, 1,3-	---	2.3E+03	---	2.3E+03
Dimethyl phenol, 2,4-	---	1.1E+03	---	8.8E+02
Dimethylphenethylamine, alpha, alpha-	---	1.3E+02	---	1.3E+02
Dimethylphthalate	---	1.3E+03	---	6.6E+02
Di-n-butyl phthalate	---	5.1E+03	---	4.4E+03
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	---	6.5E+00	---	6.3E+00
Dinitrobenzene, 1,4-	---	2.4E+01	---	2.2E+01
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	---	3.5E+01	---	2.1E+01
Dinitrophenol, 2,4-	---	1.3E+02	---	1.3E+02
Dinitrophenol, 2,5-	---	1.3E+02	---	1.3E+02
Dinitrotoluene, 2,4-	6.9E+00	2.4E+01	6.9E+00	1.3E+01
Dinitrotoluene, 2,6-	6.9E+00	2.6E+01	6.9E+00	1.7E+01
Di-n-octyl phthalate	---	1.3E+03	---	1.3E+03
Dinoseb	---	6.7E+01	---	6.7E+01
Dioxane 1,4-	5.5E+02	3.5E+03	5.5E+02	1.8E+03
Diphenylamine	---	1.2E+03	---	9.0E+02
Diphenylhydrazine, 1,2-	5.6E+00	---	5.4E+00	---
Diphenyl oxide	---	3.2E+02	---	2.8E+02
Diquat	---	5.0E+01	---	3.1E+01
Disodium iminodiacetate (iminodiacetic acid, disodium	---	6.7E+02	---	6.7E+02
Disulfoton	---	2.6E+00	---	2.6E+00
Diuron	---	1.3E+02	---	1.3E+02
Dodecylphenol, 4-	---	3.3E+03	---	3.3E+03
Endosulfan	---	6.6E+01	---	3.7E+01
Endosulfan I	---	6.1E+01	---	4.7E+01
Endosulfan II	---	2.7E+02	---	2.7E+02
Endosulfan sulfate	---	3.8E+02	---	3.8E+02
Endothall	---	1.3E+03	---	1.3E+03
Endrin	---	8.8E+00	---	8.7E+00
Endrin aldehyde	---	1.9E+01	---	1.9E+01
Endrin ketone	---	1.9E+01	---	1.9E+01
Epichlorohydrin	2.8E+02	2.3E+01	1.8E+02	1.3E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	6.7E-01	---	6.7E-01
Esfenvalerate	---	7.4E+01	---	7.4E+01
Ethalfluralin (sonolan)	4.7E+01	2.5E+03	4.7E+01	2.5E+03
Ethanol	---	8.6E+04	---	4.5E+04
Ethion	---	2.7E+01	---	2.7E+01
Ethoprop	1.7E+02	6.7E+00	1.7E+02	6.7E+00
Ethoxy ethanol, 2-	---	2.8E+03	---	1.5E+03
Ethyl acetate	---	1.8E+04	---	1.0E+04
Ethyl acrylate	1.3E+02	4.8E+02	1.3E+02	2.5E+02
Ethyl benzene	---	5.3E+03	---	4.0E+03
Ethyl dipropylthiocarbamate, S-	---	1.7E+03	---	1.7E+03
Ethylene*	---	---	---	---
Ethylenediamine	---	1.1E+03	---	8.8E+02
Ethylene dibromide (dibromoethane, 1,2-)	7.0E-02	5.0E+00	6.8E-02	2.6E+00
Ethylene glycol	---	3.0E+03	---	1.6E+03
Ethylenimine	5.5E-02	---	3.9E-02	---
Ethylene oxide	2.2E+00	---	1.4E+00	---
Ethylene thiourea	4.3E+01	5.3E+00	4.3E+01	5.2E+00
Ethyl ether	---	8.7E+03	---	6.0E+03
Ethyl-1-hexanol, 2-	---	7.9E+03	---	6.6E+03
Ethyl-2-hexenal, 2-	---	3.4E+03	---	2.0E+03
Ethylhexyl acrylate, 2-	9.8E+01	2.8E+03	9.8E+01	1.4E+03
Ethyl methacrylate	---	4.5E+03	---	3.3E+03
Ethyl methanesulfonate	3.4E+01	---	2.7E+01	---
Ethyl-2-methyl benzene, 1-	---	5.6E+03	---	3.4E+03
Ethyl-4-methyl benzene, 1-	---	5.0E+03	---	3.0E+03
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	---	8.0E+01	---	7.9E+01
Famphur	---	2.0E+00	---	2.0E+00
Fensulfothion	---	6.7E+01	---	6.7E+01
Fenthion	---	4.7E+00	---	4.7E+00

Table 4
Combined Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Tot}Soil_{Comb}$ (Includes inhalation, ingestion, dermal, and vegetable consumption pathways)			
	0.5 acre source area		30 acre source area	
	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Fluoranthene	---	2.3E+03	---	2.3E+03
Fluorene	---	2.3E+03	---	2.3E+03
Fluorine (soluble fluoride)	---	4.8E+03	---	4.8E+03
Fluorochloridone	---	4.8E+02	---	4.6E+02
Fonofos	---	1.3E+02	---	1.3E+02
Formaldehyde	1.6E+02	8.4E+02	8.3E+01	4.4E+02
Formic acid	---	6.7E+02	---	3.4E+02
Furan	---	6.9E+01	---	6.0E+01
Furfural	---	1.8E+02	---	1.4E+02
Glycidylaldehyde	---	2.7E+01	---	2.3E+01
Glyphosate	---	6.7E+03	---	6.7E+03
Heptachlor	1.3E-01	7.1E+00	1.3E-01	7.1E+00
Heptachlor epoxide	2.4E-01	5.4E-01	2.4E-01	5.4E-01
Heptane, n-	---	4.8E+03	---	4.7E+03
Heptanoic acid, n-	---	1.2E+02	---	6.3E+01
Hexachlorobenzene	1.1E+00	2.9E+01	1.0E+00	2.9E+01
Hexachlorobutadiene	2.0E+01	1.3E+01	1.2E+01	1.3E+01
Hexachlorocyclohexane, alpha (alpha-BHC)	2.6E-01	2.7E+02	2.5E-01	2.7E+02
Hexachlorocyclohexane, beta (beta-BHC)	9.3E-01	---	9.2E-01	---
Hexachlorocyclohexane, delta (delta-BHC)	2.9E+00	2.2E+01	2.9E+00	2.2E+01
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	1.1E+00	9.1E+00	1.1E+00	9.0E+00
Hexachlorocyclohexane, techn (technical-BHC)	1.3E+00	---	1.3E+00	---
Hexachlorocyclopentadiene (HCCPD)	---	1.4E+01	---	7.2E+00
Hexachloroethane	2.5E+02	6.7E+01	2.0E+02	6.7E+01
Hexachlorophene	---	2.0E+01	---	2.0E+01
Hexachloropropylene	2.5E+02	6.7E+01	2.0E+02	6.7E+01
Hexane, n-	---	1.9E+03	---	1.2E+03
Hexanediol, 1,6-	---	3.0E+05	---	2.8E+05
Hexanoic acid	---	1.4E+02	---	7.0E+01
Hexanone, 2-	---	1.1E+02	---	5.6E+01
Hexazinone	---	1.0E+03	---	6.7E+02
Hexylene glycol (2-methyl-2,4-pentanediol)	---	2.5E+01	---	1.3E+01
Hydrazine	3.8E-01	---	2.1E-01	---
Hydrogen chloride (hydrochloric acid)*	---	---	---	---
Indene	---	1.0E+02	---	5.6E+01
Indeno-1,2,3-cd-pyrene	5.7E+00	---	5.7E+00	---
Iron*	---	---	---	---
Isobutyl alcohol	---	5.6E+03	---	3.3E+03
Isobutylene (2-methyl-1-propene)	---	6.1E+04	---	3.2E+04
Isobutyric acid (2-methylpropanoic acid)	---	1.1E+02	---	5.9E+01
Isodrin	2.7E-02	2.0E-01	2.7E-02	2.0E-01
Isophorone	4.9E+03	2.2E+03	4.9E+03	1.2E+03
Isopropyl acetate	---	5.7E+03	---	5.7E+03
Isopropyl alcohol	---	1.1E+04	---	8.4E+03
Isosafrole	1.7E+01	---	1.5E+01	---
Kelthane (dicofol)	---	2.7E+02	---	2.7E+02
Kepone (chlordecone)	2.2E-01	2.9E+01	2.2E-01	2.9E+01
Lead (inorganic)	5.0E+02	5.0E+02	5.0E+02	5.0E+02
Limonene, d-*	---	---	---	---
Lithium	---	1.3E+03	---	1.3E+03
Magnesium*	---	---	---	---
Malathion	---	1.1E+03	---	8.8E+02
Maleic anhydride	---	2.0E+02	---	1.1E+02
Maleic hydrazide	---	1.4E+04	---	9.3E+03
Malononitrile	---	1.3E+00	---	1.3E+00
Mancozeb	---	2.0E+03	---	2.0E+03
Manganese	---	3.7E+03	---	3.4E+03
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	3.3E+01	---	3.3E+01
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	6.7E+01	---	6.7E+01
Merphos	---	2.0E+00	---	2.0E+00
Mercury[1]	---	3.6E+00	---	2.1E+00
Methacrylic acid (2-methyl-2-propenoic acid)	---	6.3E+02	---	5.2E+02
Methacrylonitrile	---	7.1E+00	---	6.3E+00
Methanol	---	9.2E+03	---	5.3E+03
Methapyrilene	1.0E+00	9.0E+01	1.0E+00	4.6E+01
Methomyl	---	7.9E+02	---	5.3E+02
Methoxychlor	---	2.7E+02	---	2.7E+02
Methoxyethanol, 2-	---	3.1E+02	---	1.6E+02
Methyl acetate (acetic acid, methyl ester)	---	8.3E+03	---	4.5E+03
Methyl acrylate	---	6.5E+01	---	4.1E+01
Methyl amyl ketone (2-heptanone)	---	2.8E+03	---	2.2E+03
Methyl-1-butene, 2-	---	4.8E+03	---	4.7E+03

Table 4
Combined Tier 1 Soil PCLs
Residential

Chemical of Concern	$^{Tot}Soil_{Comb}$ (Includes inhalation, ingestion, dermal, and vegetable consumption pathways)			
	0.5 acre source area		30 acre source area	
	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Methyl-2-butene, 2-	---	4.8E+03	---	4.7E+03
Methylcholanthrene, 3-	1.9E-01	---	1.9E-01	---
Methyl chrysene, 1-	5.8E+02	---	5.8E+02	---
Methyl chrysene, 2-	5.8E+02	---	5.8E+02	---
Methyl chrysene, 6-	5.7E+01	---	5.7E+01	---
Methyl cyclohexane	---	4.1E+04	---	2.2E+04
Methylene-bis (2-chloroaniline) 4,4'-	3.6E+01	4.7E+01	3.5E+01	4.7E+01
Methylene bromide (dibromomethane)	8.1E+02	2.6E+02	8.1E+02	1.4E+02
Methylene chloride (dichloromethane)	3.9E+02	4.4E+03	2.6E+02	4.1E+03
Methyl ethyl ketone (2-butanone)	---	3.4E+04	---	2.7E+04
Methyl iodide (iodomethane)	---	7.1E+01	---	5.2E+01
Methyl isobutyl ketone (4-methyl-2-pentanone)	---	5.9E+03	---	5.4E+03
Methyl mercury	---	8.0E+00	---	8.0E+00
Methylmecury hydroxide	---	9.9E-01	---	5.5E-01
Methyl methacrylate	---	9.8E+03	---	5.3E+03
Methyl methanesulfonate	3.3E+01	---	2.6E+01	---
Methylnaphthalene, 1-	---	4.4E+03	---	4.4E+03
Methylnaphthalene, 2-	---	2.5E+02	---	2.5E+02
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	1.4E+02	---	1.4E+02	---
Methyl parathion	---	1.5E+01	---	1.4E+01
Methyl-2-pentenal, 2-	3.2E+00	9.4E+01	3.2E+00	4.9E+01
Methyl-1-propanal, 2- (isobutyraldehyde)	---	1.9E+03	---	1.3E+03
Methylpyrrolidone, N-	---	1.2E+03	---	1.1E+03
Methyltetrahydrofuran, 2-	1.5E+02	1.6E+04	8.6E+01	1.6E+04
Methyltetrahydropyran, 2-	1.7E+02	1.6E+04	9.8E+01	1.6E+04
Metolachlor	---	1.0E+04	---	1.0E+04
Metribuzin	---	1.7E+03	---	1.7E+03
Mirex	---	1.3E+01	---	1.3E+01
Molinate	---	1.3E+02	---	1.3E+02
Molybdenum	---	1.6E+02	---	1.6E+02
Morpholine	---	1.4E+02	---	7.2E+01
MTBE (methyl tert-butyl ether)	9.8E+02	8.0E+02	5.9E+02	7.9E+02
Naled	---	8.7E+01	---	6.6E+01
Naphthalene	---	2.2E+02	---	1.2E+02
Naphthoquinone, 1,4-	---	1.9E+01	---	9.7E+00
Naphthylamine, 1-	---	1.3E+03	---	1.3E+03
Naphthylamine, 2-	2.6E+00	---	2.6E+00	---
Napropamide	---	6.7E+03	---	6.7E+03
Neopentyl glycol	---	2.0E+04	---	2.0E+04
Nickel and compounds	4.7E+04	8.4E+02	2.4E+04	8.3E+02
Nitrate	---	1.3E+05	---	1.3E+05
Nitrite	---	8.0E+03	---	8.0E+03
Nitroaniline, 2-	---	1.4E+01	---	1.1E+01
Nitroaniline, 3-	1.2E+02	2.0E+01	1.2E+02	1.9E+01
Nitroaniline, 4-	1.2E+02	1.5E+02	1.2E+02	1.2E+02
Nitrobenzene	---	3.1E+01	---	3.0E+01
Nitroglycerin	3.4E+02	4.7E+00	3.4E+02	4.7E+00
Nitrophenol, 2-	---	1.1E+02	---	1.0E+02
Nitrophenol, 3-	---	1.2E+02	---	1.1E+02
Nitrophenol, 4-	---	7.3E+01	---	5.1E+01
Nitropropane, 2-	1.3E-01	3.1E+02	6.8E-02	1.6E+02
Nitroquinoline-N-oxide, 4-	4.0E-01	---	3.3E-01	---
Nitrosodiethanolamine, N-	1.7E+00	---	1.7E+00	---
Nitrosodiethylamine, N-	2.5E-02	---	1.8E-02	---
Nitrosodimethylamine, N-	7.4E-02	---	5.5E-02	---
Nitrosodi-n-butylamine, N-	4.7E-01	---	3.3E-01	---
Nitrosodi-n-propylamine, N-	4.0E-01	---	4.0E-01	---
Nitrosodiphenylamine, N-	5.7E+02	---	5.7E+02	---
Nitroso-methyl-ethyl-amine, N-	2.8E-01	---	2.8E-01	---
Nitrosomorpholine, N-	5.0E-01	---	3.9E-01	---
Nitroso-N-ethylurea, N-	3.4E-02	---	3.4E-02	---
Nitrosopiperidine, N-	3.6E-01	---	2.9E-01	---
Nitrosopyrrolidine, N-	1.6E+00	---	1.3E+00	---
Nitrotoluene, m-	---	3.8E+02	---	2.7E+02
Nitrotoluene, o-	---	3.9E+02	---	2.8E+02
Nitrotoluene, p-	---	3.8E+02	---	2.7E+02
Nonachlor, cis-	5.6E+00	1.9E+01	5.6E+00	1.9E+01
Nonachlor, trans-	5.6E+00	1.9E+01	5.6E+00	1.9E+01
Nonanal	---	1.3E+04	---	1.3E+04
Nonylphenol	---	3.2E+03	---	3.2E+03
Octamethylpyrophosphoramide	---	1.3E+02	---	1.3E+02
Octanone	---	4.9E+03	---	4.9E+03
Oxamyl	---	1.7E+03	---	1.7E+03

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	0.5 acre source area		30 acre source area	
	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Oxychlordane	5.6E+00	1.9E+01	5.6E+00	1.9E+01
Paraquat	---	3.0E+02	---	3.0E+02
Parathion (ethyl parathion)	---	1.2E+02	---	7.3E+01
Pebulate	---	3.3E+03	---	3.3E+03
Pendimethalin	---	2.5E+03	---	2.5E+03
Pentachlorobenzene	---	5.3E+01	---	5.3E+01
Pentachloroethane	6.7E+01	2.5E+03	4.0E+01	2.5E+03
Pentachloronitrobenzene	1.0E+01	8.6E+01	1.0E+01	6.2E+01
Pentachlorophenol	2.4E+00	1.5E+02	2.4E+00	1.1E+02
Pentadiene, 1,3-trans-	---	4.8E+03	---	4.7E+03
Pentaerythritol tetranitrate (PETN)	---	2.7E+04	---	2.7E+04
Pentane	---	4.9E+03	---	2.6E+03
Pentanediol, 1,5-	---	3.0E+05	---	2.7E+05
Pentanone, 2-	---	2.6E+03	---	2.2E+03
Pentyne, 1-	---	4.8E+03	---	4.7E+03
Perchlorate	---	7.3E+00	---	7.3E+00
Perylene	---	1.3E+03	---	1.3E+03
Phenacetin	1.8E+03	---	1.5E+03	---
Phenanthrene	---	1.7E+03	---	1.7E+03
Phenanthridine	---	2.0E+02	---	2.0E+02
Phenol	---	2.9E+03	---	1.6E+03
Phenylene diamine, m-	---	1.3E+01	---	7.0E+00
Phenylene diamine, p-	---	1.5E+01	---	7.6E+00
Phenyl mercuric acetate	---	5.3E+00	---	5.3E+00
Phorate	---	1.0E+01	---	8.4E+00
Phosalone	---	1.3E+02	---	1.3E+02
Phosdrin (mevinphos)	---	1.7E+00	---	1.7E+00
Phosmet	---	6.8E+02	---	4.6E+02
Phosphine	---	3.8E+00	---	2.1E+00
Phosphorus, total*	---	---	---	---
Phosphorus, white	---	7.5E-01	---	5.1E-01
Phthalic anhydride	---	3.6E+04	---	2.1E+04
Picloram	---	4.7E+03	---	4.7E+03
Picoline, 2- (2-methylpyridine)	---	1.7E+01	---	8.7E+00
Polybrominated biphenyls (PBBs)	9.7E-03	1.6E-02	9.7E-03	1.6E-02
Polychlorinated biphenyls (PCBs)	1.8E+00	1.1E+00	1.7E+00	1.1E+00
Potassium*	---	---	---	---
Primene	---	3.0E+02	---	2.6E+02
Prometon (pramitol)	---	1.0E+03	---	1.0E+03
Pronamide	---	5.0E+03	---	5.0E+03
Propanal (propionaldehyde)	---	5.3E+02	---	4.5E+02
Propanil	---	3.3E+02	---	3.3E+02
Propanoic acid (propionic acid)	---	1.1E+02	---	5.8E+01
Propanol, 1-	---	9.4E+03	---	6.7E+03
Propargite	---	1.3E+03	---	1.3E+03
Propargyl alcohol	---	1.1E+02	---	7.9E+01
Propazine	1.1E+02	1.3E+03	1.1E+02	1.3E+03
Propham	---	1.3E+03	---	1.3E+03
Propionitrile (propane nitrile)	---	2.9E+01	---	2.7E+01
Propyl acetate, n-	---	7.4E+03	---	7.4E+03
Propylbenzene, n-	---	2.2E+03	---	1.6E+03
Propylene glycol	---	1.9E+04	---	9.7E+03
Propylene glycol monomethyl ether	---	4.6E+04	---	3.9E+04
Propylene oxide	2.0E+01	4.6E+02	1.7E+01	2.4E+02
Propylene tetramer	---	4.6E+03	---	3.6E+03
Pyrene	---	1.7E+03	---	1.7E+03
Pyridine	---	6.0E+01	---	4.8E+01
Quinoline	1.6E+00	3.0E+02	1.6E+00	1.6E+02
Ronnel	---	2.3E+03	---	2.3E+03
Safrole	1.6E+01	---	1.3E+01	---
Selenium	---	3.1E+02	---	3.1E+02
Selenourea	---	4.1E+02	---	4.1E+02
Silver	---	9.6E+01	---	9.5E+01
Simazine	3.9E+01	3.3E+02	3.9E+01	3.3E+02
Sodium*	---	---	---	---
Sodium diethyldithiocarbamate	2.2E+01	2.5E+03	2.2E+01	2.5E+03
Sodium polyacrylate	---	1.2E+02	---	6.2E+01
Strontium	---	4.4E+04	---	4.4E+04
Strychnine	---	2.0E+01	---	2.0E+01
Styrene	---	9.7E+03	---	7.0E+03
Sulfate*	---	---	---	---
Sulfide*	---	---	---	---
Sulfolane	---	1.3E+00	---	1.3E+00

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	0.5 acre source area		30 acre source area	
	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Sulfur*	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	1.0E-03	1.0E-03	1.0E-03	1.0E-03
Tebuconazole	---	2.0E+03	---	2.0E+03
Tebuthiuron	---	4.7E+03	---	4.7E+03
Terbufos	---	1.7E+00	---	1.7E+00
Tert-amyl-methyl ether (TAME)	---	3.3E+03	---	3.3E+03
Tert-butyl alcohol (2-methyl-2-propanol)	---	3.3E+03	---	2.1E+03
Tetrachlorobenzene, 1,2,3,4-	---	2.0E+01	---	2.0E+01
Tetrachlorobenzene, 1,2,3,5-	---	1.3E+01	---	1.3E+01
Tetrachlorobenzene, 1,2,4,5-	---	2.0E+01	---	2.0E+01
Tetrachloroethane, 1,1,1,2-	6.5E+01	2.5E+03	3.9E+01	2.5E+03
Tetrachloroethane, 1,1,2,2-	6.9E+00	3.3E+03	4.0E+00	3.3E+03
Tetrachloroethylene (perchlorethylene)	9.8E+01	6.8E+02	8.5E+01	5.9E+02
Tetrachlorophenol, 2,3,4,5-	---	3.8E+02	---	3.6E+02
Tetrachlorophenol, 2,3,4,6-	---	1.7E+02	---	1.6E+02
Tetrachlorophenol, 2,3,5,6-	---	2.1E+01	---	1.9E+01
Tetradifon	---	1.0E+03	---	1.0E+03
Tetraethyl dithiopyrophosphate (sulfotep)	---	2.8E+01	---	2.5E+01
Tetraethyl lead	---	6.6E-03	---	6.6E-03
Tetrahydrofuran	1.5E+02	3.6E+03	8.6E+01	2.1E+03
Tetrahydropyran	1.6E+02	1.6E+04	9.2E+01	1.6E+04
Thallium and compounds (as thallium chloride)	---	6.3E+00	---	6.3E+00
Thiofanox	---	1.9E+01	---	1.8E+01
Thionazin	---	4.7E+00	---	4.7E+00
Thiophanate-methyl	---	5.3E+03	---	5.3E+03
Thiram	---	2.6E+02	---	2.2E+02
Tin	---	3.5E+04	---	3.5E+04
Titanium	---	1.0E+06	---	1.0E+06
Toluene	---	4.5E+03	---	2.6E+03
Toluenediamine, 2,4-	1.5E+00	7.8E+03	1.5E+00	4.0E+03
Toluenediamine, 2,6-	---	1.3E+04	---	1.3E+04
Toluene diisocyanate, 2,4/2,6-	---	1.5E+02	---	7.5E+01
Toluidine, o-	1.7E+01	---	1.5E+01	---
Toluidine, p-	2.5E+01	---	2.5E+01	---
Toxaphene	1.2E+00	---	1.2E+00	---
TP Silvex, 2,4,5-	---	5.2E+02	---	5.1E+02
Triademenol	---	2.0E+03	---	2.0E+03
Triallate	---	3.2E+02	---	3.2E+02
Triaminotrinitrobenzene (TATB)	1.6E+02	1.3E+02	1.6E+02	9.9E+01
Tributyltin oxide	---	7.4E-01	---	3.9E-01
Trichlorobenzene, 1,2,3-	---	1.9E+02	---	1.9E+02
Trichlorobenzene, 1,2,4-	---	6.4E+02	---	6.1E+02
Trichlorobenzene, 1,3,5-	---	1.9E+02	---	1.7E+02
Trichloroethane, 1,1,1-	---	7.9E+03	---	5.3E+03
Trichloroethane, 1,1,2-	1.8E+01	3.3E+02	1.0E+01	3.3E+02
Trichloroethylene	1.5E+02	4.9E+02	9.1E+01	4.9E+02
Trichlorofluoromethane	---	1.6E+04	---	1.2E+04
Trichloronate	---	1.4E+02	---	1.4E+02
Trichlorophenol, 2,3,4-	---	5.8E+03	---	5.2E+03
Trichlorophenol, 2,3,5-	---	5.4E+03	---	4.6E+03
Trichlorophenol, 2,3,6-	---	4.3E+02	---	3.7E+02
Trichlorophenol, 2,4,5-	---	5.1E+03	---	4.1E+03
Trichlorophenol, 2,4,6-	3.5E+02	---	3.0E+02	---
Trichlorophenol, 3,4,5-	---	6.3E+03	---	6.0E+03
Trichlorophenoxyacetic acid, 2,4,5-	---	5.6E+02	---	4.8E+02
Trichloropropane, 1,1,2-	---	2.8E+02	---	2.2E+02
Trichloropropane, 1,2,3-	8.7E-01	4.2E+02	8.7E-01	3.7E+02
Trichloro-1,2,2-trifluoroethane, 1,1,2-	---	3.9E+05	---	2.2E+05
Triethanolamine	---	7.3E+02	---	3.8E+02
Triethylamine	---	1.1E+02	---	5.5E+01
Triethylene glycol	---	2.0E+05	---	2.0E+05
Triethylphosphorothioate, O, O, O-	---	5.5E-01	---	5.5E-01
Trifluralin	2.7E+02	3.0E+02	2.7E+02	2.9E+02
Trimethylamine	---	1.5E+02	---	7.6E+01
Trimethylbenzene, 1,2,3-	---	1.2E+02	---	6.1E+01
Trimethylbenzene, 1,2,4-	---	1.3E+02	---	6.8E+01
Trimethylbenzene, 1,3,5-	---	1.1E+02	---	5.9E+01
Trinitrobenzene, 1,3,5-	---	2.0E+03	---	2.0E+03
Trinitrophenylmethylnitramine (tetryl; nitramine)	---	6.8E+01	---	3.7E+01
Trinitrotoluene, 2,4,6-	1.6E+02	2.3E+01	1.6E+02	1.7E+01
Uranium (soluble salts)	---	2.2E+02	---	2.2E+02
Valeric acid (pentanoic acid)	---	1.3E+02	---	6.8E+01
Vanadium	---	2.9E+02	---	2.9E+02

Table 4
Combined Tier 1 Soil PCLs
Residential

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, dermal, and vegetable consumption pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Vernam	---	6.7E+01	---	6.7E+01
Vinyl acetate	---	3.0E+03	---	1.5E+03
Vinyl chloride	3.7E+00	2.1E+02	3.4E+00	1.9E+02
Vinylcyclohexane	---	1.5E+02	---	7.9E+01
Warfarin	---	1.8E+01	---	1.6E+01
Xylene, m-	---	6.4E+03	---	3.4E+03
Xylene, o-	---	3.7E+04	---	2.2E+04
Xylene, p-	---	6.4E+03	---	3.4E+03
Xylenes	---	1.4E+03	---	7.5E+02
Zinc	---	9.9E+03	---	9.9E+03
6 C aliphatics (TPH)	---	1.9E+03	---	1.2E+03
>6-8 C aliphatics (TPH)	---	1.9E+03	---	1.2E+03
>8-10 C aliphatics (TPH)	---	5.3E+03	---	4.0E+03
>10-12 C aliphatics (TPH)	---	4.6E+03	---	3.6E+03
>12-16 C aliphatics (TPH)	---	5.2E+03	---	4.3E+03
>16-21 C aliphatics (TPH)	---	1.3E+05	---	1.3E+05
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	1.1E+05	---	1.1E+05
>7-8 C aromatics (TPH)	---	5.3E+03	---	4.0E+03
>8-10 C aromatics (TPH)	---	1.6E+03	---	1.1E+03
>10-12 C aromatics (TPH)	---	1.9E+03	---	1.5E+03
>12-16 C aromatics (TPH)	---	2.3E+03	---	2.0E+03
>12-16 C aromatics (TPH)	---	2.3E+03	---	2.0E+03
>16-21 C aromatics (TPH)	---	1.9E+03	---	1.9E+03
>21-35 C aromatics (TPH)	---	1.9E+03	---	1.9E+03

Footnotes

[1]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

[*]These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

All values capped at 1E+06

Last update: March 31, 2004

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Acenaphthene	---	3.7E+04	---	3.7E+04
Acenaphthylene	---	3.7E+04	---	3.7E+04
Acetaldehyde	2.9E+02	2.0E+02	1.5E+02	1.0E+02
Acetic acid*	---	---	---	---
Acetone (2-propanone)	---	1.6E+04	---	8.1E+03
Acetone cyanohydrin	---	2.3E+02	---	1.5E+02
Acetonitrile	---	1.8E+03	---	9.4E+02
Acetophenone	---	6.1E+03	---	3.3E+03
Acetylaminofluorene, 2-	4.3E+00	---	3.8E+00	---
Acifluorfen, sodium	---	4.5E+03	---	3.1E+03
Acridine	---	2.0E+03	---	2.0E+03
Acrolein	---	1.6E+00	---	8.1E-01
Acrylamide	1.9E+00	1.4E+02	1.3E+00	1.4E+02
Acrylic acid (propenoic acid)	---	1.7E+02	---	8.7E+01
Acrylonitrile	7.6E+00	4.1E+01	4.2E+00	2.2E+01
Adipic acid (hexanedioic acid)	---	1.1E+03	---	5.4E+02
Alachlor	2.4E+02	6.8E+03	2.4E+02	6.8E+03
Aldicarb	---	6.8E+02	---	6.8E+02
Aldicarb sulfone	---	6.8E+02	---	6.8E+02
Aldrin	1.0E+00	2.0E+01	9.7E-01	2.0E+01
Allyl alcohol	---	3.6E+02	---	1.9E+02
Allyl chloride	---	2.1E+01	---	1.1E+01
Aluminum	---	6.2E+05	---	5.7E+05
Ametryn	---	6.1E+03	---	6.1E+03
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	3.1E+00	---	3.1E+00	---
Amino-2,6-dinitrotoluene, 4-	1.9E+03	5.9E+01	1.9E+03	4.0E+01
Amino-4,6-dinitrotoluene, 2-	1.9E+03	6.5E+01	1.9E+03	4.6E+01
Aminopyridine, 4-	---	1.1E+01	---	8.6E+00
Ammonia	---	2.1E+03	---	1.1E+03
Ammonium polyphosphate*	---	---	---	---
Ammonium salts*	---	---	---	---
Aniline	3.3E+03	1.8E+02	3.3E+03	9.3E+01
Anthracene	---	1.9E+05	---	1.9E+05
Anthraquinone, 9,10-	---	1.4E+04	---	1.4E+04
Antimony	---	3.1E+02	---	3.1E+02
Aramite	7.6E+02	3.4E+04	7.6E+02	3.4E+04
Arsenic	2.0E+02	3.3E+02	2.0E+02	3.3E+02
Arsine	---	1.1E+00	---	5.5E-01
Asbestos	4.9E+03	---	2.5E+03	---
Atrazine	8.6E+01	4.0E+03	8.6E+01	2.2E+03
Azinphos-methyl (guthion)	---	1.0E+03	---	1.0E+03
Azobenzene	1.6E+02	---	1.5E+02	---
Barium	---	3.9E+04	---	3.7E+04
Bayleton	---	2.0E+04	---	2.0E+04
Benefin (benfluralin)	---	2.0E+05	---	2.0E+05
Benomyl	---	3.4E+04	---	3.4E+04
Benz-a-anthracene	2.4E+01	---	2.4E+01	---
Benzaldehyde	---	6.7E+02	---	3.4E+02
Benzene	6.7E+01	5.3E+02	3.7E+01	3.0E+02
Benzenethiol	---	5.2E+00	---	3.6E+00
Benzidine	4.7E-02	2.0E+03	3.3E-02	2.0E+03
Benzo-a-pyrene	2.4E+00	---	2.4E+00	---
Benzo-b-fluoranthene	2.4E+01	---	2.4E+01	---
Benzo-e-pyrene	---	1.9E+04	---	1.9E+04
Benzo-g,h,i-perylene	---	1.9E+04	---	1.9E+04
Benzoic acid	---	9.6E+02	---	5.0E+02
Benzo-k-fluoranthene	2.4E+02	---	2.4E+02	---
Benzotrichloride	1.5E+00	9.6E+01	1.5E+00	4.9E+01
Benzyl alcohol	---	1.2E+04	---	6.2E+03
Benzyl chloride	1.7E+02	2.1E+02	1.7E+02	1.1E+02
Benzyl dichloride	1.1E+02	1.5E+02	1.1E+02	8.0E+01
Beryllium	1.6E+04	2.5E+02	8.1E+03	2.5E+02
Biphenyl, 1,1-	---	3.7E+02	---	1.9E+02
Biquinoline, 2,2'-	---	2.0E+03	---	2.0E+03
Bis (2-chloroethoxy) methane	9.1E+00	---	6.2E+00	---
Bis (2-chloroethyl) ether	4.9E+00	---	2.8E+00	---
Bis (2-chloroisopropyl) ether	1.5E+02	2.7E+04	1.1E+02	2.7E+04
Bis (2-chloromethyl) ether	9.0E-03	---	4.8E-03	---

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Bis (2-ethyl-hexyl) phthalate	5.6E+02	5.6E+03	5.6E+02	5.6E+03
Bismuth	---	4.1E+05	---	4.1E+05
Bisphenol A	---	2.7E+04	---	2.3E+04
Boron	---	8.7E+04	---	8.7E+04
Bromobenzene	---	2.2E+02	---	1.2E+02
Bromo-2-chloroethane, 1-	---	1.0E+03	---	5.5E+02
Bromodichloromethane	4.6E+02	2.0E+04	4.6E+02	2.0E+04
Bromoform	1.0E+03	2.0E+04	6.0E+02	2.0E+04
Bromomethane (methyl bromide)	---	1.0E+02	---	5.3E+01
Bromophenyl phenylether, 4-	1.2E+00	---	1.1E+00	---
Butadiene, 1,3-	2.0E+01	4.3E+01	1.0E+01	2.2E+01
Butanal (butyraldehyde)	---	1.3E+04	---	7.7E+03
Butanoic acid (butyric acid)	---	1.8E+02	---	9.3E+01
Butanol, n-	---	5.8E+03	---	3.1E+03
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EG	---	3.1E+05	---	2.8E+05
Butyl acetate	---	1.7E+03	---	8.9E+02
Butyl acrylate	---	1.8E+02	---	9.5E+01
Butyl benzyl phthalate	---	2.8E+04	---	1.6E+04
Butylate	---	3.4E+04	---	3.4E+04
Butylbenzene, n-	---	6.9E+03	---	4.0E+03
Butylbenzene, sec-	---	6.7E+03	---	3.7E+03
Butylbenzene, tert-	---	5.7E+03	---	3.2E+03
Butyl ether, n- (dibutyl ether)	---	3.1E+03	---	1.6E+03
Cacodylic acid	---	2.0E+03	---	2.0E+03
Cadmium	2.1E+04	8.5E+02	1.1E+04	8.5E+02
Calcium*	---	---	---	---
Caprolactam	---	4.6E+02	---	2.3E+02
Captan	5.5E+03	1.3E+04	5.5E+03	7.5E+03
Carbaryl	---	5.2E+03	---	2.8E+03
Carbazole	9.5E+02	---	9.5E+02	---
Carbofuran	---	4.6E+01	---	2.4E+01
Carbon disulfide	---	1.3E+04	---	7.2E+03
Carbon tetrachloride	3.4E+01	4.1E+01	1.9E+01	2.1E+01
Carbophenothion	---	8.9E+03	---	8.9E+03
Carbosulfan	---	6.8E+03	---	6.8E+03
Carboxin	---	6.8E+04	---	6.8E+04
Chloral	---	1.0E+03	---	5.4E+02
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	---	1.2E+03	---	6.0E+02
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	---	1.0E+04	---	1.0E+04
Chlordane (technical)	6.6E+01	3.9E+02	6.4E+01	3.7E+02
Chlordane, cis- (alpha chlordane)	5.4E+01	3.3E+02	5.4E+01	3.3E+02
Chlordane, gamma	5.3E+01	3.1E+02	5.1E+01	2.9E+02
Chlorfenvinphos	---	3.9E+01	---	2.1E+01
Chloride*	---	---	---	---
Chlorine	---	3.2E+01	---	1.7E+01
Chloroaniline, p-	---	1.2E+03	---	7.5E+02
Chlorobenzene	---	1.2E+03	---	6.4E+02
Chlorobenzilate	6.3E+01	1.4E+04	5.7E+01	1.4E+04
Chlorobromomethane (bromochloromethane)	---	1.0E+03	---	5.5E+02
Chloro-1,3-butadiene, 2-	---	1.5E+02	---	7.7E+01
Chlorodifluoromethane	---	1.0E+06	---	5.5E+05
Chloroethane (ethyl chloride)	---	1.4E+05	---	8.7E+04
Chloroethanol, 2-	---	4.8E+02	---	2.5E+02
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	2.6E+01	6.4E+00	2.6E+01	3.3E+00
Chloroform	2.6E+01	1.7E+03	1.3E+01	9.7E+02
Chlorohexane, 1-	---	1.4E+04	---	8.7E+03
Chloromethane (methyl chloride)	2.9E+02	1.9E+03	1.6E+02	9.9E+02
Chloro-3-methylphenol, 4-	---	3.2E+03	---	3.0E+03
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	5.0E+04	---	5.0E+04
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	5.0E+04	---	5.0E+04
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	1.1E+03	---	1.1E+03	---
Chlorophenol, 2-	---	3.2E+03	---	2.4E+03
Chlorophenol, 3-	---	2.9E+03	---	2.5E+03
Chlorophenol, 4-	---	2.9E+03	---	2.5E+03
Chlorophenyl phenylether, 4-	9.8E-01	---	8.0E-01	---
Chloropropane, 2-	---	2.0E+03	---	1.1E+03
Chloro-2-propanol, 1-	---	2.0E+04	---	2.0E+04
Chlorothalonil	1.7E+03	1.0E+04	1.7E+03	1.0E+04

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Chlorotoluene, o- (2-chlorotoluene)	---	4.2E+03	---	2.5E+03
Chlorotoluene, p- (4-chlorotoluene)	---	6.7E+00	---	3.5E+00
Chlorpyrifos	---	3.9E+02	---	2.2E+02
Chromium (III) (total chromium)	---	9.5E+04	---	5.7E+04
Chromium (VI)	3.2E+03	1.0E+03	1.6E+03	1.0E+03
Chrysene	2.4E+03	---	2.4E+03	---
Cobalt	---	1.9E+04	---	1.1E+04
Copolymer acrylamide	---	4.8E+00	---	2.5E+00
Copper	---	3.8E+04	---	3.7E+04
Coronene	---	1.4E+03	---	1.4E+03
Coumaphos	---	4.8E+03	---	4.8E+03
Cresol	---	3.7E+03	---	2.0E+03
Cresol, m- (3-methylphenol)	---	3.7E+03	---	2.0E+03
Cresol, o- (2-methylphenol)	---	3.5E+03	---	1.9E+03
Cresol, p- (4-methylphenol)	---	1.8E+03	---	1.3E+03
Crotonaldehyde	1.5E+01	2.7E+02	1.5E+01	1.4E+02
Cumene (isopropylbenzene)	---	1.1E+04	---	6.3E+03
Cyanazine	2.3E+01	1.4E+03	2.3E+01	1.4E+03
Cyanide	---	1.9E+04	---	1.9E+04
Cyanogen	---	4.5E+02	---	2.3E+02
Cycloate	---	3.7E+04	---	3.7E+04
Cyclohexane	---	1.3E+05	---	6.5E+04
Cyclohexanol	---	4.3E+04	---	2.2E+04
Cyclohexanone	---	7.0E+03	---	3.6E+03
Cyclotetramethylenetetranitramine (HMX)	---	6.0E+02	---	3.2E+02
Cyclotrimethylenetrinitramine (RDX)	1.7E+02	7.6E+01	1.7E+02	4.0E+01
Cymene (isopropyltoluene)	---	8.8E+03	---	4.7E+03
Cymoxanil	---	8.9E+03	---	8.9E+03
Dacthal (DCPA)	---	6.8E+03	---	6.8E+03
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	2.0E+04	---	2.0E+04
DDD	1.0E+02	---	1.0E+02	---
DDE	7.3E+01	---	7.3E+01	---
DDT	7.1E+01	4.4E+02	6.8E+01	4.4E+02
Demeton	---	2.7E+01	---	2.7E+01
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	2.7E+04	---	2.7E+04
Diallate	3.1E+02	---	3.1E+02	---
Diazinon	---	7.9E+01	---	4.3E+01
Dibenz-a,h-acridine	1.6E+01	---	1.6E+01	---
Dibenz-a,h-anthracene	2.4E+00	---	2.4E+00	---
Dibenz-a,j-acridine	2.4E+01	---	2.4E+01	---
Dibenzofuran	---	2.7E+03	---	2.7E+03
Dibenzothiophene	---	2.0E+03	---	2.0E+03
Dibromochloromethane (chlorodibromomethane)	3.4E+02	2.0E+04	3.4E+02	2.0E+04
Dibromo-3-chloropropane, 1,2-	1.4E+01	1.1E+01	1.3E+01	5.8E+00
Dibromofluoromethane	---	7.0E+04	---	4.4E+04
Dicamba	---	2.2E+03	---	1.2E+03
Dichlorobenzene, 1,2-	---	1.1E+03	---	5.7E+02
Dichlorobenzene, 1,3-	---	1.7E+02	---	8.8E+01
Dichlorobenzene, 1,4-	1.2E+03	2.5E+04	1.2E+03	1.3E+04
Dichlorobenzidine, 3,3-	4.2E+01	---	4.2E+01	---
Dichlorobutane, 2,3-	---	1.5E+02	---	7.7E+01
Dichloro-2-butene, 1,4-	5.4E-01	---	2.8E-01	---
Dichloro-2-butene, 1,4- trans	5.5E-01	---	2.9E-01	---
Dichlorodifluoromethane	---	7.0E+04	---	4.3E+04
Dichloroethane, 1,1-	---	7.9E+03	---	4.2E+03
Dichloroethane, 1,2-	2.2E+01	5.2E+04	1.1E+01	2.7E+04
Dichloroethylene, 1,1-	---	4.0E+03	---	2.1E+03
Dichloroethylene, cis-1,2-	---	6.4E+03	---	4.7E+03
Dichloroethylene, trans-1,2	---	9.3E+03	---	6.1E+03
Dichlorophenol, 2,3-	---	1.9E+03	---	1.8E+03
Dichlorophenol, 2,4-	---	1.8E+03	---	1.7E+03
Dichlorophenol, 2,5-	---	1.9E+03	---	1.8E+03
Dichlorophenol, 2,6-	---	6.1E+02	---	5.5E+02
Dichlorophenol, 3,4-	---	2.0E+03	---	1.9E+03
Dichlorophenol, 3,5-	---	2.0E+03	---	1.9E+03
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	---	1.6E+03	---	9.2E+02
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	5.5E+03	---	5.5E+03
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	6.8E+03	---	6.8E+03

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Dichloropropane, 1,2-	4.2E+02	8.6E+01	4.2E+02	4.4E+01
Dichloropropane, 1,3-	9.9E+01	4.2E+02	6.1E+01	2.2E+02
Dichloropropane, 2,2-	4.2E+02	8.6E+01	4.2E+02	4.4E+01
Dichloropropanol, 2,3-	---	2.0E+03	---	2.0E+03
Dichloropropene, 1,1-	9.9E+01	4.2E+02	6.1E+01	2.2E+02
Dichloropropene, 1,3- (mixed isomers)	9.9E+01	4.2E+02	6.1E+01	2.2E+02
Dichloropropene, cis 1,3-	5.3E+01	6.0E+01	5.3E+01	4.3E+01
Dichloropropene, trans 1,3-	9.9E+01	4.2E+02	6.1E+01	2.2E+02
Dichlorvos	6.6E+01	3.4E+02	6.6E+01	3.4E+02
Dicrotophos (bidrin)	---	6.8E+01	---	6.8E+01
Dicyclopentadiene	---	3.1E+04	---	3.1E+04
Dieldrin	1.2E+00	3.4E+01	1.1E+00	3.4E+01
Diethanolamine	---	1.8E+02	---	1.3E+02
Diethyl phthalate	---	4.0E+03	---	2.0E+03
Diethylene glycol	---	1.0E+06	---	1.0E+06
Diethylene glycol monobutyl ether	---	5.2E+03	---	2.8E+03
Diethylhexyl adipate	1.6E+04	4.0E+04	1.6E+04	2.2E+04
Diethylstilbestrol	4.1E-03	---	4.1E-03	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	---	4.0E+03	---	2.1E+03
Diisopropyl ether (2,2'-oxybis-propane)	---	1.8E+04	---	1.0E+04
Dimethenamid	---	1.0E+04	---	1.0E+04
Dimethoate	---	1.4E+02	---	1.4E+02
Dimethoxybenzidine, 3,3'-	1.4E+03	---	1.4E+03	---
Dimethylaminoazobenzene, p-	---	6.8E+00	---	6.8E+00
Dimethylbenz-a-anthracene, 7,12-	6.9E-02	---	6.9E-02	---
Dimethylbenzidine, 3,3'-	2.1E+00	---	2.1E+00	---
Dimethylnaphthalene, 1,3-	---	2.5E+04	---	2.5E+04
Dimethyl phenol, 2,4-	---	4.7E+03	---	2.9E+03
Dimethylphenethylamine, alpha, alpha-	---	1.4E+03	---	1.4E+03
Dimethylphthalate	---	1.8E+03	---	9.3E+02
Di-n-butyl phthalate	---	2.6E+04	---	1.6E+04
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	---	5.7E+01	---	4.9E+01
Dinitrobenzene, 1,4-	---	1.6E+02	---	1.1E+02
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	---	6.3E+01	---	3.3E+01
Dinitrophenol, 2,4-	---	1.4E+03	---	1.4E+03
Dinitrophenol, 2,5-	---	1.4E+03	---	1.4E+03
Dinitrotoluene, 2,4-	2.8E+01	4.0E+01	2.8E+01	2.1E+01
Dinitrotoluene, 2,6-	2.8E+01	5.5E+01	2.8E+01	3.0E+01
Di-n-octyl phthalate	---	1.4E+04	---	1.4E+04
Dinoseb	---	6.8E+02	---	6.8E+02
Dioxane 1,4-	2.6E+03	4.9E+03	2.6E+03	2.5E+03
Diphenylamine	---	4.1E+03	---	2.4E+03
Diphenylhydrazine, 1,2-	2.2E+01	---	2.0E+01	---
Diphenyl oxide	---	1.8E+03	---	1.1E+03
Diquat	---	1.0E+02	---	5.3E+01
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	6.8E+03	---	6.8E+03
Disulfoton	---	2.4E+01	---	2.2E+01
Diuron	---	1.3E+03	---	1.2E+03
Dodecylphenol, 4-	---	3.4E+04	---	3.4E+04
Endosulfan	---	1.1E+02	---	5.6E+01
Endosulfan I	---	2.2E+02	---	1.2E+02
Endosulfan II	---	4.1E+03	---	4.1E+03
Endosulfan sulfate	---	4.1E+03	---	4.1E+03
Endothall	---	1.4E+04	---	1.4E+04
Endrin	---	1.6E+02	---	1.3E+02
Endrin aldehyde	---	2.0E+02	---	2.0E+02
Endrin ketone	---	1.9E+02	---	1.8E+02
Epichlorohydrin	6.6E+02	3.6E+01	3.8E+02	1.9E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	6.8E+00	---	6.8E+00
Esfenvalerate	---	1.4E+03	---	1.4E+03
Ethalfluralin (sonolan)	2.1E+02	2.7E+04	2.1E+02	2.7E+04
Ethanol	---	1.2E+05	---	6.3E+04
Ethion	---	3.1E+02	---	2.8E+02
Ethoprop	6.8E+02	6.8E+01	6.8E+02	6.8E+01
Ethoxy ethanol, 2-	---	4.3E+03	---	2.2E+03
Ethyl acetate	---	3.1E+04	---	1.6E+04
Ethyl acrylate	6.0E+02	6.8E+02	6.0E+02	3.5E+02

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

	$^{Tot}Soil_{Comb}$ (includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
Chemical of Concern	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Ethyl benzene	---	1.8E+04	---	1.0E+04
Ethyl dipropylthiocarbamate, S-	---	1.7E+04	---	1.7E+04
Ethylene*	---	---	---	---
Ethylenediamine	---	4.2E+03	---	2.4E+03
Ethylene dibromide (dibromoethane, 1,2-)	3.1E-01	7.0E+00	2.9E-01	3.6E+00
Ethylene glycol	---	4.3E+03	---	2.2E+03
Ethylenimine	1.5E-01	---	9.0E-02	---
Ethylene oxide	5.0E+00	---	2.8E+00	---
Ethylene thiourea	1.7E+02	5.0E+01	1.7E+02	4.7E+01
Ethyl ether	---	2.3E+04	---	1.3E+04
Ethyl-1-hexanol, 2-	---	3.5E+04	---	2.1E+04
Ethyl-2-hexenal, 2-	---	6.3E+03	---	3.3E+03
Ethylhexyl acrylate, 2-	4.0E+02	3.9E+03	4.0E+02	2.0E+03
Ethyl methacrylate	---	1.4E+04	---	7.8E+03
Ethyl methanesulfonate	9.8E+01	---	6.7E+01	---
Ethyl-2-methyl benzene, 1-	---	1.1E+04	---	5.9E+03
Ethyl-4-methyl benzene, 1-	---	9.6E+03	---	5.1E+03
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	---	8.8E+02	---	7.8E+02
Famphur	---	1.9E+01	---	1.8E+01
Fensulfothion	---	6.8E+02	---	6.8E+02
Fenthion	---	4.8E+01	---	4.8E+01
Fluoranthene	---	2.5E+04	---	2.5E+04
Fluorene	---	2.5E+04	---	2.5E+04
Fluorine (soluble fluoride)	---	5.8E+04	---	5.8E+04
Fluorochloridone	---	3.9E+03	---	3.2E+03
Fonofos	---	1.4E+03	---	1.4E+03
Formaldehyde	2.7E+02	1.2E+03	1.4E+02	6.3E+02
Formic acid	---	9.3E+02	---	4.8E+02
Furan	---	3.8E+02	---	2.4E+02
Furfural	---	6.7E+02	---	3.8E+02
Glycidylaldehyde	---	1.4E+02	---	8.5E+01
Glyphosate	---	6.8E+04	---	6.8E+04
Heptachlor	3.3E+00	3.4E+02	2.8E+00	3.4E+02
Heptachlor epoxide	2.0E+00	8.9E+00	1.9E+00	8.9E+00
Heptane, n-	---	5.3E+04	---	4.7E+04
Heptanoic acid, n-	---	1.7E+02	---	8.8E+01
Hexachlorobenzene	8.7E+00	5.5E+02	6.9E+00	5.5E+02
Hexachlorobutadiene	4.1E+01	1.4E+02	2.3E+01	1.4E+02
Hexachlorocyclohexane, alpha (alpha-BHC)	3.3E+00	6.8E+03	2.9E+00	6.8E+03
Hexachlorocyclohexane, beta (beta-BHC)	1.2E+01	---	1.1E+01	---
Hexachlorocyclohexane, delta (delta-BHC)	1.2E+01	2.6E+02	1.2E+01	2.6E+02
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	1.8E+01	1.9E+02	1.8E+01	1.6E+02
Hexachlorocyclohexane, techn (technical-BHC)	1.2E+01	---	1.1E+01	---
Hexachlorocyclopentadiene (HCCPD)	---	2.0E+01	---	1.0E+01
Hexachloroethane	7.4E+02	6.8E+02	5.2E+02	6.8E+02
Hexachlorophene	---	2.0E+02	---	2.0E+02
Hexachloropropylene	7.5E+02	6.8E+02	5.3E+02	6.8E+02
Hexane, n-	---	4.0E+03	---	2.1E+03
Hexanediol, 1,6-	---	1.0E+06	---	1.0E+06
Hexanoic acid	---	1.9E+02	---	9.8E+01
Hexanone, 2-	---	1.5E+02	---	7.9E+01
Hexazinone	---	2.4E+03	---	1.3E+03
Hexylene glycol (2-methyl-2,4-pentanediol)	---	3.5E+01	---	1.8E+01
Hydrazine	7.2E-01	---	3.8E-01	---
Hydrogen chloride (hydrochloric acid)*	---	---	---	---
Indene	---	1.6E+02	---	8.0E+01
Inderio-1,2,3-cd-pyrene	2.4E+01	---	2.4E+01	---
Iron*	---	---	---	---
Isobutyl alcohol	---	9.9E+03	---	5.2E+03
Isobutylene (2-methyl-1-propene)	---	8.6E+04	---	4.4E+04
Isobutyric acid (2-methylpropanoic acid)	---	1.6E+02	---	8.2E+01
Isodrin	1.1E-01	2.0E+00	1.0E-01	2.0E+00
Isophorone	2.0E+04	3.7E+03	2.0E+04	1.9E+03
Isopropyl acetate	---	7.2E+04	---	7.2E+04
Isopropyl alcohol	---	3.9E+04	---	2.2E+04
Isosafrole	5.5E+01	---	4.1E+01	---
Kelthane (dicofol)	---	4.1E+03	---	4.1E+03
Kepone (chlordecone)	1.2E+00	3.4E+02	1.2E+00	3.4E+02

Table 5
Combined Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	$^{Tot}Soil_{Comb}$ (Includes inhalation, ingestion, and dermal pathways)			
	0.5 acre source area		30 acre source area	
	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)	Carcinogenic (mg/kg)	Noncarcinogenic (mg/kg)
Lead (inorganic)	1.6E+03	1.6E+03	1.6E+03	1.6E+03
Limonene, d-*	---	---	---	---
Lithium	---	1.9E+04	---	1.9E+04
Magnesium*	---	---	---	---
Malathion	---	4.6E+03	---	2.9E+03
Maleic anhydride	---	2.9E+02	---	1.5E+02
Maleic hydrazide	---	3.2E+04	---	1.7E+04
Malononitrile	---	1.4E+01	---	1.3E+01
Mancozeb	---	2.0E+04	---	2.0E+04
Manganese	---	3.6E+04	---	2.4E+04
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	3.4E+02	---	3.4E+02
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	6.8E+02	---	6.8E+02
Merphos	---	2.0E+01	---	2.0E+01
Mercury[1]	---	6.2E+00	---	3.3E+00
Methacrylic acid (2-methyl-2-propenoic acid)	---	2.8E+03	---	1.6E+03
Methacrylonitrile	---	4.3E+01	---	2.8E+01
Methanol	---	1.6E+04	---	8.4E+03
Methapyrilene	4.1E+00	1.3E+02	4.1E+00	6.5E+01
Methomyl	---	1.9E+03	---	1.0E+03
Methoxychlor	---	3.2E+03	---	3.0E+03
Methoxyethanol, 2-	---	4.3E+02	---	2.2E+02
Methyl acetate (acetic acid, methyl ester)	---	1.3E+04	---	6.6E+03
Methyl acrylate	---	1.4E+02	---	7.5E+01
Methyl amyl ketone (2-heptanone)	---	1.0E+04	---	5.8E+03
Methyl-1-butene, 2-	---	5.3E+04	---	4.7E+04
Methyl-2-butene, 2-	---	5.3E+04	---	4.7E+04
Methylcholanthrene, 3-	7.9E-01	---	7.9E-01	---
Methyl chrysene, 1-	2.4E+03	---	2.4E+03	---
Methyl chrysene, 2-	2.4E+03	---	2.4E+03	---
Methyl chrysene, 6-	2.4E+02	---	2.4E+02	---
Methyl cyclohexane	---	6.4E+04	---	3.3E+04
Methylene-bis (2-chloroaniline) 4,4'-	1.4E+02	4.8E+02	1.4E+02	4.8E+02
Methylene bromide (dibromomethane)	3.8E+03	3.8E+02	3.8E+03	1.9E+02
Methylene chloride (dichloromethane)	9.6E+02	3.1E+04	5.6E+02	2.2E+04
Methyl ethyl ketone (2-butanone)	---	1.3E+05	---	7.3E+04
Methyl iodide (iodomethane)	---	2.2E+02	---	1.2E+02
Methyl isobutyl ketone (4-methyl-2-pentanone)	---	4.1E+04	---	2.8E+04
Methyl mercury	---	9.7E+01	---	9.7E+01
Methylmecury hydroxide	---	1.6E+00	---	8.3E-01
Methyl methacrylate	---	1.5E+04	---	7.7E+03
Methyl methanesulfonate	9.5E+01	---	6.4E+01	---
Methylnaphthalene, 1-	---	4.3E+04	---	4.3E+04
Methylnaphthalene, 2-	---	2.5E+03	---	2.5E+03
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	5.8E+02	---	5.8E+02	---
Methyl parathion	---	1.1E+02	---	8.0E+01
Methyl-2-pentenal, 2-	1.5E+01	1.3E+02	1.5E+01	6.8E+01
Methyl-1-propanal, 2- (isobutyraldehyde)	---	5.4E+03	---	3.0E+03
Methylpyrrolidone, N-	---	7.4E+03	---	5.2E+03
Methyltetrahydrofuran, 2-	2.9E+02	2.0E+05	1.6E+02	2.0E+05
Methyltetrahydropyran, 2-	3.3E+02	2.0E+05	1.8E+02	2.0E+05
Metolachlor	---	1.0E+05	---	1.0E+05
Metribuzin	---	1.7E+04	---	1.7E+04
Mirex	---	1.4E+02	---	1.4E+02
Molinate	---	1.4E+03	---	1.4E+03
Molybdenum	---	4.5E+03	---	4.5E+03
Morpholine	---	2.0E+02	---	1.0E+02
MTBE (methyl tert-butyl ether)	2.0E+03	8.8E+03	1.1E+03	7.8E+03
Naled	---	2.8E+02	---	1.6E+02
Naphthalene	---	3.6E+02	---	1.9E+02
Naphthoquinone, 1,4-	---	2.7E+01	---	1.4E+01
Naphthylamine, 1-	---	1.4E+04	---	1.4E+04
Naphthylamine, 2-	1.1E+01	---	1.1E+01	---
Napropamide	---	6.8E+04	---	6.8E+04
Neopentyl glycol	---	2.0E+05	---	2.0E+05
Nickel and compounds	7.9E+04	8.5E+03	4.1E+04	7.9E+03
Nitrate	---	1.0E+06	---	1.0E+06
Nitrite	---	9.7E+04	---	9.7E+04
Nitroaniline, 2-	---	5.0E+01	---	2.9E+01

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Benomyl	---	---	---	---	---	---	---	---	---	---	---	---
Benz-a-anthracene	6.2E+03	3.2E+03	3.9E+01	6.0E+01	4.0E+01	2.0E+01	4.0E+03	2.0E+03	6.3E+03	3.2E+03	1.0E+06	1.0E+06
Benzaldehyde	---	---	---	---	---	---	---	---	---	---	---	---
Benzene	7.7E+01	4.0E+01	5.2E+02	---	2.6E-02	1.3E-02	2.6E+00	1.3E+00	7.7E+01	4.0E+01	4.4E+02	2.8E+01
Benzenethiol	---	---	---	---	---	---	---	---	---	---	---	---
Benzidine	1.1E-01	5.4E-02	1.2E-01	2.5E-01	2.4E-05	1.2E-05	2.4E-03	1.2E-03	1.1E-01	5.4E-02	2.3E+01	1.9E+00
Benzo-a-pyrene	1.4E+03	7.1E+02	3.9E+00	6.0E+00	7.6E+00	3.8E+00	7.6E+02	3.8E+02	1.4E+03	7.3E+02	1.0E+06	1.0E+06
Benzo-b-fluoranthene	1.0E+04	5.2E+03	3.9E+01	6.0E+01	1.3E+02	6.7E+01	1.3E+04	6.7E+03	1.0E+04	5.3E+03	1.0E+06	1.0E+06
Benzo-e-pyrene	---	---	---	---	---	---	---	---	---	---	---	---
Benzo-g,h,i-perylene	---	---	---	---	---	---	---	---	---	---	---	---
Benzoic acid	---	---	---	---	---	---	---	---	---	---	---	---
Benzo-k-fluoranthene	2.4E+05	1.2E+05	3.9E+02	6.0E+02	1.4E+03	6.9E+02	1.4E+05	6.9E+04	2.6E+05	1.3E+05	1.0E+06	1.0E+06
Benzotrichloride	---	---	2.2E+00	4.4E+00	9.5E-03	4.7E-03	9.5E-01	4.7E-01	---	---	---	---
Benzyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---
Benzyl chloride	---	---	1.7E+02	---	1.1E-01	5.6E-02	1.1E+01	5.6E+00	---	---	---	---
Benzyl dichloride	---	---	1.7E+02	3.4E+02	1.4E-01	7.1E-02	1.4E+01	7.1E+00	---	---	---	---
Beryllium	1.6E+04	8.1E+03	---	---	1.8E+00	9.2E-01	1.8E+02	9.2E+01	---	---	---	---
Biphenyl, 1,1-	---	---	---	---	---	---	---	---	---	---	---	---
Biquinoline, 2,2'-	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-chloroethoxy) methane	1.9E+01	9.8E+00	2.6E+01	5.2E+01	2.6E-02	1.3E-02	2.6E+00	1.3E+00	1.9E+01	9.8E+00	1.9E+03	1.2E+02
Bis (2-chloroethyl) ether	6.0E+00	3.1E+00	2.6E+01	---	4.7E-03	2.4E-03	4.7E-01	2.4E-01	6.0E+00	3.1E+00	4.0E+02	2.6E+01
Bis (2-chloroisopropyl) ether	3.5E+02	1.8E+02	4.1E+02	8.2E+02	4.3E-01	2.1E-01	4.3E+01	2.1E+01	3.5E+02	1.8E+02	2.1E+04	1.4E+03
Bis (2-chloromethyl) ether	9.7E-03	5.0E-03	1.3E-01	---	1.8E-05	9.2E-06	1.8E-03	9.2E-04	9.7E-03	5.0E-03	2.8E-01	1.8E-02
Bis (2-ethyl-hexyl) phthalate	---	---	2.0E+03	7.8E+02	1.6E+02	8.2E+01	1.6E+04	8.2E+03	---	---	---	---
Bismuth	---	---	---	---	---	---	---	---	---	---	---	---
Bisphenol A	---	---	---	---	---	---	---	---	---	---	---	---
Boron[2]	---	---	---	---	---	---	---	---	---	---	---	---
Bromobenzene	---	---	---	---	---	---	---	---	---	---	---	---
Bromo-2-chloroethane, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	---	---	4.6E+02	---	1.5E-01	7.3E-02	1.5E+01	7.3E+00	---	---	---	---
Bromoform	1.4E+03	7.2E+02	3.6E+03	---	1.4E+00	7.1E-01	1.4E+02	7.1E+01	1.4E+03	7.2E+02	4.7E+04	3.1E+03
Bromomethane (methyl bromide)	---	---	---	---	---	---	---	---	---	---	---	---
Bromophenyl phenylether, 4-	1.6E+01	8.4E+00	1.9E+00	3.8E+00	7.9E-01	4.0E-01	7.9E+01	4.0E+01	1.6E+01	8.4E+00	1.5E+04	1.0E+03
Butadiene, 1,3-	2.0E+01	1.0E+01	---	---	---	---	---	---	2.0E+01	1.0E+01	2.0E+01	1.3E+00
Butanal (butyraldehyde)	---	---	---	---	---	---	---	---	---	---	---	---
Butanoic acid (butyric acid)	---	---	---	---	---	---	---	---	---	---	---	---
Butanol, n-	---	---	---	---	---	---	---	---	---	---	---	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGB	---	---	---	---	---	---	---	---	---	---	---	---
Butyl acetate	---	---	---	---	---	---	---	---	---	---	---	---
Butyl acrylate	---	---	---	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---
Butylate	---	---	---	---	---	---	---	---	---	---	---	---
Butylbenzene, n-	---	---	---	---	---	---	---	---	---	---	---	---
Butylbenzene, sec-	---	---	---	---	---	---	---	---	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Acenaphthylene	---	---	---	---	---	---	---	---	---	---	---	---
Acetaldehyde	2.9E+02	1.5E+02	---	---	---	---	---	---	2.9E+02	1.5E+02	9.5E+03	6.1E+02
Acetic acid*	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	---	---	---	---	---	---	---	---	---	---	---	---
Acetone cyanohydrin	---	---	---	---	---	---	---	---	---	---	---	---
Acetonitrile	---	---	---	---	---	---	---	---	---	---	---	---
Acetophenone	---	---	---	---	---	---	---	---	---	---	---	---
Acetylaminofluorene, 2-	3.1E+01	1.6E+01	7.5E+00	1.5E+01	1.0E-02	5.1E-03	1.0E+00	5.1E-01	3.1E+01	1.6E+01	2.0E+04	1.7E+03
Acifluorfen, sodium	---	---	---	---	---	---	---	---	---	---	---	---
Acridine	---	---	---	---	---	---	---	---	---	---	---	---
Acrolein	---	---	---	---	---	---	---	---	---	---	---	---
Acrylamide	3.6E+00	1.9E+00	6.4E+00	1.3E+01	8.7E-04	4.4E-04	8.7E-02	4.4E-02	3.6E+00	1.9E+00	9.4E+02	6.2E+01
Acrylic acid (propenoic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Acrylonitrile	8.8E+00	4.6E+00	5.3E+01	---	7.5E-03	3.7E-03	7.5E-01	3.7E-01	8.8E+00	4.6E+00	1.9E+02	1.2E+01
Adipic acid (hexanedioic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Alachlor	---	---	3.6E+02	7.2E+02	1.9E-02	9.5E-03	1.9E+00	9.5E-01	---	---	---	---
Aldicarb	---	---	---	---	1.8E-02	8.9E-03	1.8E+00	8.9E-01	---	---	---	---
Aldicarb sulfone	---	---	---	---	1.4E-02	6.9E-03	1.4E+00	6.9E-01	---	---	---	---
Aldrin	1.4E+01	7.2E+00	1.7E+00	3.4E+00	2.3E-01	1.2E-01	2.3E+01	1.2E+01	1.4E+01	7.2E+00	1.4E+04	9.2E+02
Allyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---
Allyl chloride	---	---	---	---	---	---	---	---	---	---	---	---
Aluminum	---	---	---	---	---	---	---	---	---	---	---	---
Ametryn	---	---	---	---	---	---	---	---	---	---	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	---	---	4.7E+00	9.4E+00	2.4E-02	1.2E-02	2.4E+00	1.2E+00	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	---	---	2.9E+03	5.7E+03	3.4E+00	1.7E+00	3.4E+02	1.7E+02	---	---	---	---
Amino-4,6-dinitrotoluene, 2-	---	---	2.9E+03	5.7E+03	5.0E+00	2.5E+00	5.0E+02	2.5E+02	---	---	---	---
Aminopyridine, 4-	---	---	---	---	---	---	---	---	---	---	---	---
Ammonia	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium polyphosphate*	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	---	---	5.0E+03	1.0E+04	8.2E-01	4.1E-01	8.2E+01	4.1E+01	---	---	---	---
Anthracene	---	---	---	---	---	---	---	---	---	---	---	---
Anthraquinone, 9,10-	---	---	---	---	---	---	---	---	---	---	---	---
Antimony	---	---	---	---	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Aramite	---	---	1.1E+03	2.3E+03	---	---	---	---	---	---	---	---
Arsenic	8.8E+03	4.5E+03	2.4E+02	1.3E+03	5.0E+00	2.5E+00	5.0E+02	2.5E+02	---	---	---	---
Arsine	---	---	---	---	---	---	---	---	---	---	---	---
Asbestos	4.9E+03	2.5E+03	---	---	---	---	---	---	---	---	---	---
Atrazine	---	---	1.3E+02	2.6E+02	2.5E-02	1.2E-02	2.5E+00	1.2E+00	---	---	---	---
Azinphos-methyl (guthion)	---	---	---	---	---	---	---	---	---	---	---	---
Azobenzene	2.3E+03	1.2E+03	2.6E+02	5.2E+02	4.0E+01	2.0E+01	4.0E+03	2.0E+03	2.3E+03	1.2E+03	1.0E+06	1.6E+05
Barium	---	---	---	---	4.4E+02	2.2E+02	4.4E+04	2.2E+04	---	---	---	---
Bayleton	---	---	---	---	---	---	---	---	---	---	---	---
Benefin (benfluralin)	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
>16-21 C aliphatics (TPH)	---	---	1.6E+05	7.1E+05	---	1.0E+06	1.0E+06	1.0E+06	1.0E+06	---	---	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	1.3E+05	5.7E+05	---	1.0E+06	1.0E+06	1.0E+06	1.0E+06	---	---	---	---
>7-8 C aromatics (TPH)	1.5E+04	7.9E+03	8.2E+03	---	---	2.0E+01	1.0E+01	2.0E+03	1.0E+03	1.5E+04	7.9E+03	1.3E+05	8.2E+03
>8-10 C aromatics (TPH)	3.1E+03	1.6E+03	3.3E+03	---	---	6.5E+01	3.3E+01	6.5E+03	3.3E+03	3.1E+03	1.6E+03	1.2E+05	7.6E+03
>10-12 C aromatics (TPH)	6.6E+03	3.4E+03	3.3E+03	1.4E+04	---	1.0E+02	5.0E+01	1.0E+04	5.0E+03	6.6E+03	3.4E+03	4.4E+05	2.8E+04
>12-16 C aromatics (TPH)	1.5E+04	7.8E+03	3.3E+03	1.4E+04	---	2.0E+02	9.9E+01	2.0E+04	9.9E+03	1.5E+04	7.8E+03	1.0E+06	9.8E+04
>16-21 C aromatics (TPH)	---	---	2.5E+03	8.2E+03	---	4.7E+02	2.3E+02	4.7E+04	2.3E+04	---	---	---	---
>21-35 C aromatics (TPH)	---	---	2.5E+03	8.2E+03	---	3.7E+03	1.8E+03	3.7E+05	1.8E+05	---	---	---	---

Footnotes

[1]For subsurface soils only

[2]Please contact the TNRCC for assistance in determining a site-specific approach for $^{GW}Soil_{Ing}$ values for these compounds.

[3]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

[4]These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

NA = not applicable

All values capped at 1E+06

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Trichloroethylene	---	---	4.9E+02	---	---	3.4E-02	1.7E-02	3.4E+00	1.7E+00	---	---	---	---
Trichlorofluoromethane	4.3E+04	2.2E+04	2.5E+04	---	---	1.3E+02	6.4E+01	1.3E+04	6.4E+03	4.3E+04	2.2E+04	7.1E+04	4.6E+03
Trichloronate	---	---	2.5E+02	1.1E+03	4.4E+02	1.2E+02	6.2E+01	1.2E+04	6.2E+03	---	---	---	---
Trichlorophenol, 2,3,4-	4.4E+04	2.3E+04	8.2E+03	3.6E+04	---	5.9E+01	3.0E+01	5.9E+03	3.0E+03	4.4E+04	2.3E+04	1.0E+06	1.0E+06
Trichlorophenol, 2,3,5-	2.9E+04	1.5E+04	8.2E+03	3.6E+04	---	2.8E+01	1.4E+01	2.8E+03	1.4E+03	2.9E+04	1.5E+04	1.0E+06	7.9E+05
Trichlorophenol, 2,3,6-	2.4E+03	1.2E+03	8.2E+03	3.6E+04	5.8E+02	2.9E+01	1.4E+01	2.9E+03	1.4E+03	2.4E+03	1.2E+03	9.8E+04	6.4E+03
Trichlorophenol, 2,4,5-	2.1E+04	1.1E+04	8.2E+03	3.6E+04	---	3.4E+01	1.7E+01	3.4E+03	1.7E+03	2.1E+04	1.1E+04	1.0E+06	4.1E+05
Trichlorophenol, 2,4,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 3,4,5-	1.1E+05	5.7E+04	8.2E+03	3.6E+04	---	3.3E+02	1.6E+02	3.3E+04	1.6E+04	1.1E+05	5.7E+04	1.0E+06	1.0E+06
Trichlorophenoxyacetic acid, 2,4,5-	3.5E+03	1.8E+03	8.2E+02	3.6E+03	---	9.9E-01	4.9E-01	9.9E+01	4.9E+01	3.5E+03	1.8E+03	1.0E+06	6.6E+04
Trichloropropane, 1,1,2-	9.2E+02	4.7E+02	4.1E+02	---	---	1.5E+00	7.3E-01	1.5E+02	7.3E+01	9.2E+02	4.7E+02	6.4E+03	4.1E+02
Trichloropropane, 1,2,3-	2.8E+03	1.4E+03	4.9E+02	---	---	2.6E+00	1.3E+00	2.6E+02	1.3E+02	2.8E+03	1.4E+03	1.1E+05	7.3E+03
Trichloro-1,2,2-trifluoroethane, 1,1,2-	4.6E+05	2.4E+05	1.0E+06	---	---	8.0E+04	4.0E+04	1.0E+06	1.0E+06	4.6E+05	2.4E+05	1.0E+06	6.5E+04
Triethanolamine	7.7E+02	4.0E+02	1.6E+04	7.1E+04	---	9.4E+00	4.7E+00	9.4E+02	4.7E+02	7.7E+02	4.0E+02	1.0E+06	1.0E+06
Triethylamine	1.1E+02	5.5E+01	---	---	---	---	---	---	---	1.1E+02	5.5E+01	1.6E+03	1.0E+02
Triethylene glycol	---	---	2.5E+05	1.0E+06	---	1.4E+02	7.0E+01	1.4E+04	7.0E+03	---	---	---	---
Triethylphosphorothioate, O, O, O-	---	---	6.8E-01	3.0E+00	---	4.4E-03	2.2E-03	4.4E-01	2.2E-01	---	---	---	---
Trifluralin	1.6E+04	8.3E+03	6.1E+02	2.7E+03	7.7E+02	1.0E+02	5.0E+01	1.0E+04	5.0E+03	1.6E+04	8.3E+03	1.0E+06	9.4E+05
Trimethylamine	1.5E+02	7.6E+01	---	---	---	---	---	---	---	1.5E+02	7.6E+01	4.4E+03	2.8E+02
Trimethylbenzene, 1,2,3-	1.2E+02	6.2E+01	4.1E+03	---	---	3.2E+01	1.6E+01	3.2E+03	1.6E+03	1.2E+02	6.2E+01	4.9E+03	3.1E+02
Trimethylbenzene, 1,2,4-	1.3E+02	6.9E+01	4.1E+03	---	---	4.9E+01	2.4E+01	4.9E+03	2.4E+03	1.3E+02	6.9E+01	6.5E+03	4.2E+02
Trimethylbenzene, 1,3,5-	1.2E+02	6.0E+01	4.1E+03	---	---	5.3E+01	2.7E+01	5.3E+03	2.7E+03	1.2E+02	6.0E+01	5.5E+03	3.5E+02
Trinitrobenzene, 1,3,5-	---	---	2.5E+03	1.1E+04	---	1.8E+00	9.1E-01	1.8E+02	9.1E+01	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	7.6E+01	3.9E+01	8.2E+02	3.6E+03	---	2.8E+00	1.4E+00	2.8E+02	1.4E+02	7.6E+01	3.9E+01	5.0E+04	9.4E+03
Trinitrotoluene, 2,4,6-	7.2E+01	3.7E+01	4.1E+01	1.8E+02	---	1.7E-01	8.6E-02	1.7E+01	8.6E+00	7.2E+01	3.7E+01	3.1E+04	2.0E+03
Uranium (soluble salts)	2.9E+05	1.5E+05	2.5E+02	1.1E+04	2.9E+03	1.8E+03	8.9E+02	1.8E+05	8.9E+04	---	---	---	---
Valeric acid (pentanoic acid)	1.3E+02	6.8E+01	4.1E+04	1.8E+05	---	2.3E+01	1.2E+01	2.3E+03	1.2E+03	1.3E+02	6.8E+01	3.8E+04	2.5E+03
Vanadium	4.8E+04	2.5E+04	5.7E+02	6.5E+02	9.4E+03	3.4E+03	1.7E+03	3.4E+05	1.7E+05	---	---	---	---
Vernam	---	---	8.2E+01	3.6E+02	---	2.7E+00	1.4E+00	2.7E+02	1.4E+02	---	---	---	---
Vinyl acetate	3.1E+03	1.6E+03	8.2E+04	---	---	5.3E+01	2.7E+01	5.3E+03	2.7E+03	3.1E+03	1.6E+03	3.1E+04	2.0E+03
Vinyl chloride	1.5E+03	7.9E+02	2.5E+02	---	---	2.2E-02	1.1E-02	2.2E+00	1.1E+00	1.5E+03	7.9E+02	1.5E+03	9.9E+01
Vinylcyclohexane	1.5E+02	7.9E+01	4.1E+04	---	---	1.4E+03	7.1E+02	1.4E+05	7.1E+04	1.5E+02	7.9E+01	2.5E+03	1.6E+02
Warfarin	1.8E+02	9.1E+01	2.5E+01	1.1E+02	---	2.8E-01	1.4E-01	2.8E+01	1.4E+01	1.8E+02	9.1E+01	1.8E+05	1.2E+04
Xylene, m-	6.7E+03	3.4E+03	1.6E+05	---	---	1.1E+02	5.3E+01	1.1E+04	5.3E+03	6.7E+03	3.4E+03	7.9E+04	5.1E+03
Xylene, o-	4.9E+04	2.5E+04	1.6E+05	---	---	7.1E+01	3.5E+01	7.1E+03	3.5E+03	4.9E+04	2.5E+04	1.0E+06	2.5E+05
Xylene, p-	6.7E+03	3.4E+03	1.6E+05	---	---	1.5E+02	7.5E+01	1.5E+04	7.5E+03	6.7E+03	3.4E+03	1.0E+05	6.5E+03
Xylenes	1.5E+03	7.9E+02	1.6E+04	---	---	1.2E+02	6.1E+01	1.2E+04	6.1E+03	1.5E+03	7.9E+02	2.1E+04	1.3E+03
Zinc	---	---	2.5E+04	2.1E+05	1.8E+04	2.4E+03	1.2E+03	2.4E+05	1.2E+05	---	---	---	---
6 C aliphatics (TPH)	3.1E+03	1.6E+03	4.9E+03	---	---	1.7E+02	8.6E+01	1.7E+04	8.6E+03	3.1E+03	1.6E+03	3.7E+03	2.4E+02
>6-8 C aliphatics (TPH)	3.1E+03	1.6E+03	4.9E+03	---	---	4.2E+02	2.1E+02	4.2E+04	2.1E+04	3.1E+03	1.6E+03	6.1E+03	3.9E+02
>8-10 C aliphatics (TPH)	1.5E+04	7.9E+03	8.2E+03	---	---	3.6E+03	1.8E+03	3.6E+05	1.8E+05	1.5E+04	7.9E+03	9.7E+04	6.3E+03
>10-12 C aliphatics (TPH)	1.5E+04	7.9E+03	8.2E+03	3.6E+04	---	2.5E+04	1.3E+04	1.0E+06	1.0E+06	1.5E+04	7.9E+03	4.6E+05	2.9E+04
>12-16 C aliphatics (TPH)	2.4E+04	1.2E+04	8.2E+03	3.6E+04	---	4.9E+05	2.5E+05	1.0E+06	1.0E+06	2.4E+04	1.2E+04	1.0E+06	1.3E+05

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Tebuconazole	---	---	2.5E+03	1.1E+04	---	3.1E+01	1.6E+01	3.1E+03	1.6E+03	---	---	---	---
Tebuthiuron	---	---	5.7E+03	2.5E+04	---	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Terbufos	---	---	2.0E+00	8.9E+00	---	3.4E-01	1.7E-01	3.4E+01	1.7E+01	---	---	---	---
Tert-amyl-methyl ether (TAME)	---	---	3.3E+03	---	---	3.8E+00	1.9E+00	3.8E+02	1.9E+02	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	5.8E+03	3.0E+03	7.4E+03	---	---	4.6E+00	2.3E+00	4.6E+02	2.3E+02	5.8E+03	3.0E+03	2.2E+05	1.4E+04
Tetrachlorobenzene, 1,2,3,4-	1.3E+05	6.8E+04	2.5E+01	1.1E+02	---	1.2E+01	6.0E+00	1.2E+03	6.0E+02	1.3E+05	6.8E+04	1.0E+06	1.0E+06
Tetrachlorobenzene, 1,2,3,5-	5.8E+04	3.0E+04	2.5E+01	1.1E+02	4.2E+01	1.9E+00	9.4E-01	1.9E+02	9.4E+01	5.8E+04	3.0E+04	1.0E+06	5.5E+05
Tetrachlorobenzene, 1,2,4,5-	3.4E+04	1.7E+04	2.5E+01	1.1E+02	---	4.8E-01	2.4E-01	4.8E+01	2.4E+01	3.4E+04	1.7E+04	1.0E+06	1.6E+05
Tetrachloroethane, 1,1,1,2-	---	---	2.5E+03	---	---	3.0E+01	1.5E+01	3.0E+03	1.5E+03	---	---	---	---
Tetrachloroethane, 1,1,2,2-	---	---	3.3E+03	---	---	4.9E+00	2.5E+00	4.9E+02	2.5E+02	---	---	---	---
Tetrachloroethylene (perchlorethylene)	4.2E+03	2.1E+03	8.2E+02	---	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	4.2E+03	2.1E+03	2.2E+04	1.4E+03
Tetrachlorophenol, 2,3,4,5-	6.7E+03	3.5E+03	2.5E+03	1.1E+04	5.0E+02	1.5E+01	7.4E+00	1.5E+03	7.4E+02	6.7E+03	3.5E+03	1.0E+06	2.5E+05
Tetrachlorophenol, 2,3,4,6-	2.0E+03	1.0E+03	2.5E+03	1.1E+04	2.0E+02	4.5E+00	2.2E+00	4.5E+02	2.2E+02	2.0E+03	1.0E+03	4.2E+05	2.7E+04
Tetrachlorophenol, 2,3,5,6-	1.8E+02	9.4E+01	2.5E+03	1.1E+04	2.3E+01	2.2E+00	1.1E+00	2.2E+02	1.1E+02	1.8E+02	9.4E+01	6.0E+03	3.9E+02
Tetradifon	---	---	1.6E+03	7.1E+03	4.9E+03	8.7E+01	4.4E+01	8.7E+03	4.4E+03	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	1.9E+02	1.0E+02	4.1E+01	1.8E+02	---	3.9E-01	1.9E-01	3.9E+01	1.9E+01	1.9E+02	1.0E+02	1.1E+05	7.0E+03
Tetraethyl lead	2.0E+00	1.0E+00	8.2E-03	3.6E-02	---	5.0E-04	2.5E-04	5.0E-02	2.5E-02	2.0E+00	1.0E+00	1.6E+02	1.0E+01
Tetrahydrofuran	4.6E+03	2.4E+03	1.6E+04	---	---	1.0E+01	5.1E+00	1.0E+03	5.1E+02	4.6E+03	2.4E+03	1.1E+05	7.3E+03
Tetrahydropyran	---	---	1.6E+04	---	---	1.1E+01	5.5E+00	1.1E+03	5.5E+02	---	---	---	---
Thallium and compounds (as thallium chloride)	9.7E+04	5.0E+04	6.6E+00	2.8E+02	4.5E+02	1.7E+00	8.7E-01	1.7E+02	8.7E+01	---	---	---	---
Thiofanox	3.2E+02	1.6E+02	2.5E+01	1.1E+02	---	3.1E-02	1.6E-02	3.1E+00	1.6E+00	3.2E+02	1.6E+02	1.1E+05	6.8E+03
Thionazin	---	---	5.7E+00	2.5E+01	---	1.1E-02	5.5E-03	1.1E+00	5.5E-01	---	---	---	---
Thiophanate-methyl	---	---	6.6E+03	2.8E+04	---	4.5E+00	2.2E+00	4.5E+02	2.2E+02	---	---	---	---
Thiram	1.3E+03	6.5E+02	4.1E+02	1.8E+03	---	3.5E+00	1.8E+00	3.5E+02	1.8E+02	1.3E+03	6.5E+02	9.1E+05	5.9E+04
Tin	1.0E+06	1.0E+06	4.9E+04	2.1E+05	3.1E+05	3.7E+04	1.8E+04	1.0E+06	1.0E+06	---	---	---	---
Titanium	---	---	1.0E+06	1.0E+06	1.0E+06	---	---	---	---	---	---	---	---
Toluene	6.1E+03	3.2E+03	1.6E+04	---	---	8.2E+00	4.1E+00	8.2E+02	4.1E+02	6.1E+03	3.2E+03	5.1E+04	3.3E+03
Toluenediamine, 2,4-	7.8E+03	4.0E+03	---	---	---	---	---	---	---	7.8E+03	4.0E+03	1.0E+06	4.4E+05
Toluenediamine, 2,6-	---	---	1.6E+04	7.1E+04	---	9.6E+00	4.8E+00	9.6E+02	4.8E+02	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	1.5E+02	7.5E+01	---	---	---	---	---	---	---	1.5E+02	7.5E+01	1.7E+05	1.1E+04
Toluidine, o-	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluidine, p-	---	---	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	---	---	---	---	---	1.2E+01	5.8E+00	1.2E+03	5.8E+02	---	---	---	---
TP Silvex, 2,4,5-	2.6E+04	1.3E+04	6.6E+02	2.8E+03	---	5.3E+00	2.6E+00	5.3E+02	2.6E+02	2.6E+04	1.3E+04	1.0E+06	1.0E+06
Triademenol	---	---	2.5E+03	1.1E+04	---	8.4E+00	4.2E+00	8.4E+02	4.2E+02	---	---	---	---
Triallate	---	---	1.1E+03	4.6E+03	5.2E+02	1.9E+01	9.5E+00	1.9E+03	9.5E+02	---	---	---	---
Triaminotrinitrobenzene (TATB)	3.8E+02	2.0E+02	2.5E+02	1.1E+03	---	1.5E-01	7.7E-02	1.5E+01	7.7E+00	3.8E+02	2.0E+02	8.9E+05	3.9E+05
Tributyltin oxide	7.7E-01	3.9E-01	2.5E+01	1.1E+02	---	---	---	---	---	7.7E-01	3.9E-01	---	---
Trichlorobenzene, 1,2,3-	6.0E+03	3.1E+03	2.5E+02	1.1E+03	---	2.6E+01	1.3E+01	2.6E+03	1.3E+03	6.0E+03	3.1E+03	9.6E+05	6.2E+04
Trichlorobenzene, 1,2,4-	1.5E+04	7.8E+03	8.2E+02	3.6E+03	---	4.8E+00	2.4E+00	4.8E+02	2.4E+02	1.5E+04	7.8E+03	1.0E+06	6.9E+04
Trichlorobenzene, 1,3,5-	2.5E+03	1.3E+03	2.5E+02	1.1E+03	---	7.5E+00	3.7E+00	7.5E+02	3.7E+02	2.5E+03	1.3E+03	2.1E+05	1.3E+04
Trichloroethane, 1,1,1-	1.5E+04	7.9E+03	1.6E+04	---	---	1.6E+00	8.1E-01	1.6E+02	8.1E+01	1.5E+04	7.9E+03	6.4E+04	4.2E+03
Trichloroethane, 1,1,2-	---	---	3.3E+02	---	---	2.0E-02	1.0E-02	2.0E+00	1.0E+00	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Picloram	---	---	5.7E+03	2.5E+04	---	9.8E-01	4.9E-01	9.8E+01	4.9E+01	---	---	---	---
Picoline, 2- (2-methylpyridine)	1.7E+01	8.8E+00	7.4E+02	---	---	5.6E-01	2.8E-01	5.6E+01	2.8E+01	1.7E+01	8.8E+00	1.2E+03	8.0E+01
Polybrominated biphenyls (PBBs)	---	---	5.7E-01	2.5E+00	1.7E-02	1.5E-02	7.5E-03	1.5E+00	7.5E-01	---	---	---	---
Polychlorinated biphenyls (PCBs)	---	---	1.6E+00	5.1E+00	1.4E+01	1.1E+01	5.3E+00	1.1E+03	5.3E+02	---	---	---	---
Potassium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Primene	1.8E+03	9.5E+02	4.9E+02	2.1E+03	3.9E+03	5.4E+01	2.7E+01	5.4E+03	2.7E+03	1.8E+03	9.5E+02	3.1E+05	2.0E+04
Prometon (pramitol)	---	---	1.2E+03	5.3E+03	---	9.6E+00	4.8E+00	9.6E+02	4.8E+02	---	---	---	---
Pronamide	---	---	6.1E+03	2.7E+04	---	1.8E+01	9.1E+00	1.8E+03	9.1E+02	---	---	---	---
Propanal (propionaldehyde)	2.8E+03	1.4E+03	6.6E+02	---	---	3.9E-01	2.0E-01	3.9E+01	2.0E+01	2.8E+03	1.4E+03	7.4E+04	4.8E+03
Propanil	---	---	4.1E+02	1.8E+03	---	4.7E+00	2.3E+00	4.7E+02	2.3E+02	---	---	---	---
Propanoic acid (propionic acid)	1.1E+02	5.8E+01	4.1E+04	---	---	2.3E+01	1.2E+01	2.3E+03	1.2E+03	1.1E+02	5.8E+01	2.8E+04	1.8E+03
Propanol, 1-	2.2E+04	1.1E+04	1.6E+04	---	---	1.0E+01	5.0E+00	1.0E+03	5.0E+02	2.2E+04	1.1E+04	1.0E+06	1.1E+05
Propargite	---	---	1.6E+03	7.1E+03	---	1.1E+02	5.5E+01	1.1E+04	5.5E+03	---	---	---	---
Propargyl alcohol	2.9E+02	1.5E+02	1.6E+02	---	---	1.0E-01	5.2E-02	1.0E+01	5.2E+00	2.9E+02	1.5E+02	6.3E+04	4.1E+03
Propazine	---	---	1.6E+03	7.1E+03	---	2.3E+01	1.1E+01	2.3E+03	1.1E+03	---	---	---	---
Propham	---	---	1.6E+03	7.1E+03	---	1.9E+00	9.7E-01	1.9E+02	9.7E+01	---	---	---	---
Propionitrile (propane nitrile)	2.7E+02	1.4E+02	3.3E+01	---	---	1.9E-02	9.7E-03	1.9E+00	9.7E-01	2.7E+02	1.4E+02	1.5E+04	9.8E+02
Propyl acetate, n-	---	---	7.4E+03	---	---	5.3E+00	2.7E+00	5.3E+02	2.7E+02	---	---	---	---
Propylbenzene, n-	6.3E+03	3.3E+03	3.3E+03	---	---	4.5E+01	2.2E+01	4.5E+03	2.2E+03	6.3E+03	3.3E+03	2.8E+05	1.8E+04
Propylene glycol	1.9E+04	9.8E+03	1.0E+06	1.0E+06	---	9.4E+02	4.7E+02	9.4E+04	4.7E+04	1.9E+04	9.8E+03	1.0E+06	3.2E+05
Propylene glycol monomethyl ether	2.3E+05	1.2E+05	5.7E+04	---	---	3.3E+01	1.7E+01	3.3E+03	1.7E+03	2.3E+05	1.2E+05	1.0E+06	1.0E+06
Propylene oxide	4.6E+02	2.4E+02	---	---	---	---	---	---	---	4.6E+02	2.4E+02	1.5E+04	9.6E+02
Propylene tetramer	1.5E+04	7.9E+03	8.2E+03	3.6E+04	---	2.5E+04	1.3E+04	1.0E+06	1.0E+06	1.5E+04	7.9E+03	4.6E+05	2.9E+04
Pyrene	---	---	2.5E+03	8.2E+03	1.7E+04	1.1E+03	5.6E+02	1.1E+05	5.6E+04	---	---	---	---
Pyridine	2.3E+02	1.2E+02	8.2E+01	---	---	6.9E-02	3.5E-02	6.9E+00	3.5E+00	2.3E+02	1.2E+02	6.3E+02	4.1E+01
Quinoline	3.0E+02	1.6E+02	---	---	---	---	---	---	---	3.0E+02	1.6E+02	1.1E+05	6.9E+03
Ronnel	---	---	4.1E+03	1.8E+04	7.0E+03	4.2E+02	2.1E+02	4.2E+04	2.1E+04	---	---	---	---
Safrole	---	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	1.9E+05	1.0E+05	4.1E+02	1.8E+04	1.3E+03	2.3E+00	1.1E+00	2.3E+02	1.1E+02	---	---	---	---
Selenourea	---	---	4.1E+02	---	---	---	---	---	---	---	---	---	---
Silver	9.7E+03	5.0E+03	4.1E+02	7.1E+02	1.5E+02	4.8E-01	2.4E-01	4.8E+01	2.4E+01	---	---	---	---
Simazine	---	---	4.1E+02	1.8E+03	---	5.5E-02	2.8E-02	5.5E+00	2.8E+00	---	---	---	---
Sodium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	---	---	2.5E+03	---	---	---	---	---	---	---	---	---	---
Sodium polyacrylate	1.2E+02	6.2E+01	4.1E+04	---	---	2.4E+01	1.2E+01	2.4E+03	1.2E+03	1.2E+02	6.2E+01	3.0E+04	1.9E+03
Strontium	---	---	4.9E+04	4.3E+05	---	6.1E+02	3.1E+02	6.1E+04	3.1E+04	---	---	---	---
Strychnine	---	---	2.5E+01	1.1E+02	---	3.7E-02	1.9E-02	3.7E+00	1.9E+00	---	---	---	---
Styrene	2.4E+04	1.2E+04	1.6E+04	---	---	3.3E+00	1.6E+00	3.3E+02	1.6E+02	2.4E+04	1.2E+04	1.0E+06	6.8E+04
Sulfate*	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	---	---	1.6E+00	7.1E+00	---	9.4E-04	4.7E-04	9.4E-02	4.7E-02	---	---	---	---
Sulfur*	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	NA	NA	---	NA	NA	1.7E-02	8.5E-03	1.7E+00	8.5E-01	---	---	---	---

Table 6
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Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Nitrosopyrrolidine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrotoluene, m-	8.7E+02	4.5E+02	8.2E+02	3.6E+03	---	1.8E+00	9.2E-01	1.8E+02	9.2E+01	8.7E+02	4.5E+02	5.0E+04	3.2E+03
Nitrotoluene, o-	9.5E+02	4.9E+02	8.2E+02	3.6E+03	---	1.8E+00	9.2E-01	1.8E+02	9.2E+01	9.5E+02	4.9E+02	5.8E+04	3.8E+03
Nitrotoluene, p-	8.6E+02	4.4E+02	8.2E+02	3.6E+03	---	1.8E+00	9.2E-01	1.8E+02	9.2E+01	8.6E+02	4.4E+02	4.9E+04	3.2E+03
Nonachlor, cis-	3.7E+03	1.9E+03	4.1E+01	1.8E+02	4.6E+01	5.9E+01	2.9E+01	5.9E+03	2.9E+03	3.7E+03	1.9E+03	1.0E+06	7.2E+05
Nonachlor, trans-	3.7E+03	1.9E+03	4.1E+01	1.8E+02	4.6E+01	5.9E+01	2.9E+01	5.9E+03	2.9E+03	3.7E+03	1.9E+03	1.0E+06	7.2E+05
Nonanal	---	---	1.6E+04	7.1E+04	---	1.5E+02	7.4E+01	1.5E+04	7.4E+03	---	---	---	---
Nonylphenol	1.0E+06	1.0E+06	4.1E+03	1.8E+04	1.4E+05	1.5E+05	7.4E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Octamethylpyrophosphoramide	---	---	1.6E+02	7.1E+02	---	9.4E-02	4.7E-02	9.4E+00	4.7E+00	---	---	---	---
Octanone	9.0E+05	4.6E+05	4.9E+03	---	---	1.1E+01	5.5E+00	1.1E+03	5.5E+02	9.0E+05	4.6E+05	1.0E+06	1.0E+06
Oxamyl	---	---	2.0E+03	8.9E+03	---	4.2E-01	2.1E-01	4.2E+01	2.1E+01	---	---	---	---
Oxychlordane	3.7E+03	1.9E+03	4.1E+01	1.8E+02	4.6E+01	5.9E+01	2.9E+01	5.9E+03	2.9E+03	3.7E+03	1.9E+03	1.0E+06	7.2E+05
Paraquat	---	---	3.7E+02	1.6E+03	---	2.1E-01	1.1E-01	2.1E+01	1.1E+01	---	---	---	---
Parathion (ethyl parathion)	1.8E+02	9.0E+01	4.9E+02	2.1E+03	---	3.3E+01	1.7E+01	3.3E+03	1.7E+03	1.8E+02	9.0E+01	3.4E+05	2.2E+04
Pebulate	---	---	4.1E+03	1.8E+04	---	2.3E+01	1.2E+01	2.3E+03	1.2E+03	---	---	---	---
Pendimethalin	---	---	3.3E+03	1.4E+04	5.1E+04	7.5E+03	3.7E+03	7.5E+05	3.7E+05	---	---	---	---
Pentachlorobenzene	3.0E+04	1.5E+04	6.6E+01	2.8E+02	---	2.5E+01	1.2E+01	2.5E+03	1.2E+03	3.0E+04	1.5E+04	1.0E+06	6.3E+05
Pentachloroethane	---	---	2.5E+03	---	---	7.0E+00	3.5E+00	7.0E+02	3.5E+02	---	---	---	---
Pentachloronitrobenzene	2.2E+02	1.1E+02	2.5E+02	1.1E+03	4.8E+02	3.8E+01	1.9E+01	3.8E+03	1.9E+03	2.2E+02	1.1E+02	6.5E+04	4.2E+03
Pentachlorophenol	4.5E+02	2.3E+02	2.5E+03	4.3E+03	2.5E+02	1.8E-02	9.2E-03	1.8E+00	9.2E-01	4.5E+02	2.3E+02	2.4E+05	1.6E+04
Pentadiene, 1,3-trans-	2.8E+05	1.4E+05	4.9E+03	---	---	1.3E+01	6.5E+00	1.3E+03	6.5E+02	2.8E+05	1.4E+05	6.7E+05	4.3E+04
Pentaerythritol tetranitrate (PETN)	---	---	3.3E+04	1.4E+05	---	2.5E+03	1.2E+03	2.5E+05	1.2E+05	---	---	---	---
Pentane	5.4E+03	2.8E+03	5.7E+04	---	---	4.0E+03	2.0E+03	4.0E+05	2.0E+05	5.4E+03	2.8E+03	1.2E+03	7.6E+01
Pentanediol, 1,5-	1.0E+06	1.0E+06	4.1E+05	1.0E+06	---	2.4E+02	1.2E+02	2.4E+04	1.2E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Pentanone, 2-	1.2E+04	6.4E+03	3.3E+03	---	---	2.2E+00	1.1E+00	2.2E+02	1.1E+02	1.2E+04	6.4E+03	5.0E+05	3.3E+04
Pentyne, 1-	2.8E+05	1.4E+05	4.9E+03	---	---	1.3E+01	6.3E+00	1.3E+03	6.3E+02	2.8E+05	1.4E+05	6.2E+05	4.0E+04
Perchlorate	---	---	8.2E+00	7.1E+01	---	2.0E-02	1.0E-02	2.0E+00	1.0E+00	---	---	---	---
Perylene	---	---	1.6E+03	7.1E+03	4.9E+04	7.6E+04	3.8E+04	1.0E+06	1.0E+06	---	---	---	---
Phenacetin	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	2.5E+03	8.2E+03	1.7E+04	4.2E+02	2.1E+02	4.2E+04	2.1E+04	---	---	---	---
Phenanthridine	---	---	2.5E+02	1.1E+03	---	5.3E+00	2.6E+00	5.3E+02	2.6E+02	---	---	---	---
Phenol	3.4E+03	1.7E+03	2.5E+04	1.1E+05	---	1.9E+01	9.6E+00	1.9E+03	9.6E+02	3.4E+03	1.7E+03	7.2E+05	4.7E+04
Phenylene diamine, m-	1.4E+01	7.2E+00	4.9E+02	2.1E+03	---	2.9E-01	1.4E-01	2.9E+01	1.4E+01	1.4E+01	7.2E+00	4.0E+03	2.6E+02
Phenylene diamine, p-	1.5E+01	7.6E+00	1.6E+04	6.8E+04	---	9.1E+00	4.6E+00	9.1E+02	4.6E+02	1.5E+01	7.6E+00	4.5E+03	2.9E+02
Phenyl mercuric acetate	---	---	6.6E+00	2.8E+01	---	1.6E-02	8.1E-03	1.6E+00	8.1E-01	---	---	---	---
Phorate	4.4E+01	2.3E+01	1.6E+01	7.1E+01	---	1.1E+00	5.4E-01	1.1E+02	5.4E+01	4.4E+01	2.3E+01	2.2E+04	1.4E+03
Phosalone	---	---	1.6E+02	7.1E+02	---	2.3E+00	1.2E+00	2.3E+02	1.2E+02	---	---	---	---
Phosdrin (mevinphos)	---	---	2.0E+00	8.9E+00	---	1.2E-03	5.9E-04	1.2E-01	5.9E-02	---	---	---	---
Phosmet	1.4E+03	7.1E+02	1.6E+03	7.1E+03	---	4.1E+00	2.0E+00	4.1E+02	2.0E+02	1.4E+03	7.1E+02	6.4E+05	4.1E+04
Phosphine	4.6E+00	2.4E+00	2.5E+01	2.1E+02	---	---	---	---	---	4.6E+00	2.4E+00	---	---
Phosphorus, total*	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	1.5E+00	7.9E-01	1.6E+00	1.4E+01	---	2.3E-02	1.1E-02	2.3E+00	1.1E+00	1.5E+00	7.9E-01	---	---
Phthalic anhydride	5.0E+04	2.6E+04	1.6E+05	7.1E+05	---	2.5E+02	1.2E+02	2.5E+04	1.2E+04	5.0E+04	2.6E+04	1.0E+06	1.0E+06

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Methyl parathion	2.1E+02	1.1E+02	2.0E+01	8.9E+01	---	1.7E-01	8.5E-02	1.7E+01	8.5E+00	2.1E+02	1.1E+02	1.2E+05	8.1E+03
Methyl-2-pentenal, 2-	9.4E+01	4.9E+01	---	---	---	---	---	---	---	9.4E+01	4.9E+01	2.2E+03	1.4E+02
Methyl-1-propanal, 2- (isobutyraldehyde)	4.5E+03	2.3E+03	3.3E+03	---	---	2.1E+00	1.0E+00	2.1E+02	1.0E+02	4.5E+03	2.3E+03	9.5E+04	6.2E+03
Methylpyrrolidone, N-	1.2E+04	6.0E+03	1.6E+03	7.1E+03	---	9.6E-01	4.8E-01	9.6E+01	4.8E+01	1.2E+04	6.0E+03	1.0E+06	2.3E+05
Methyltetrahydrofuran, 2-	---	---	1.6E+04	---	---	1.1E+01	5.6E+00	1.1E+03	5.6E+02	---	---	---	---
Methyltetrahydropyran, 2-	---	---	1.6E+04	---	---	1.3E+01	6.6E+00	1.3E+03	6.6E+02	---	---	---	---
Metolachlor	---	---	1.2E+04	5.3E+04	---	1.1E+02	5.5E+01	1.1E+04	5.5E+03	---	---	---	---
Metribuzin	---	---	2.0E+03	8.9E+03	---	1.2E+00	6.1E-01	1.2E+02	6.1E+01	---	---	---	---
Mirex	---	---	1.6E+01	7.1E+01	---	4.5E+03	2.2E+03	4.5E+05	2.2E+05	---	---	---	---
Molinate	---	---	1.6E+02	7.1E+02	---	1.9E-01	9.6E-02	1.9E+01	9.6E+00	---	---	---	---
Molybdenum	1.0E+06	1.0E+06	4.1E+02	6.8E+03	2.6E+02	4.9E+01	2.5E+01	4.9E+03	2.5E+03	---	---	---	---
Morpholine	1.4E+02	7.2E+01	1.0E+06	---	---	2.4E+04	1.2E+04	1.0E+06	1.0E+06	1.4E+02	7.2E+01	4.0E+04	2.6E+03
MTBE (methyl tert-butyl ether)	4.6E+04	2.4E+04	8.2E+02	---	---	6.2E-01	3.1E-01	6.2E+01	3.1E+01	4.6E+04	2.4E+04	3.4E+05	2.2E+04
Naled	2.5E+02	1.3E+02	1.6E+02	7.1E+02	---	3.5E-01	1.8E-01	3.5E+01	1.8E+01	2.5E+02	1.3E+02	1.6E+04	1.0E+03
Naphthalene	2.7E+02	1.4E+02	1.6E+03	5.5E+03	---	3.1E+01	1.6E+01	3.1E+03	1.6E+03	2.7E+02	1.4E+02	2.0E+04	1.3E+03
Naphthoquinone, 1,4-	1.9E+01	9.9E+00	5.7E+02	2.5E+03	---	4.6E-01	2.3E-01	4.6E+01	2.3E+01	1.9E+01	9.9E+00	4.4E+03	2.8E+02
Naphthylamine, 1-	---	---	1.6E+03	7.1E+03	---	9.4E+00	4.7E+00	9.4E+02	4.7E+02	---	---	---	---
Naphthylamine, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Napropamide	---	---	8.2E+03	3.6E+04	---	5.5E+02	2.7E+02	5.5E+04	2.7E+04	---	---	---	---
Neopentyl glycol	---	---	2.5E+04	1.1E+05	---	1.5E+01	7.3E+00	1.5E+03	7.3E+02	---	---	---	---
Nickel and compounds	8.7E+04	4.5E+04	1.6E+03	2.8E+03	4.6E+03	1.6E+02	7.9E+01	1.6E+04	7.9E+03	---	---	---	---
Nitrate	---	---	1.3E+05	1.0E+06	---	1.9E+01	9.6E+00	1.9E+03	9.6E+02	---	---	---	---
Nitrite	---	---	8.2E+03	3.6E+05	---	---	---	---	---	---	---	---	---
Nitroaniline, 2-	4.8E+01	2.4E+01	2.5E+01	1.1E+02	---	2.2E-02	1.1E-02	2.2E+00	1.1E+00	4.8E+01	2.4E+01	1.2E+04	7.7E+02
Nitroaniline, 3-	9.0E+02	4.6E+02	2.5E+01	1.1E+02	---	2.6E-02	1.3E-02	2.6E+00	1.3E+00	9.0E+02	4.6E+02	2.5E+05	1.6E+04
Nitroaniline, 4-	6.0E+02	3.1E+02	2.5E+02	1.1E+03	---	1.7E-01	8.7E-02	1.7E+01	8.7E+00	6.0E+02	3.1E+02	1.7E+05	1.1E+04
Nitrobenzene	5.6E+02	2.9E+02	4.1E+01	1.8E+02	---	8.8E-02	4.4E-02	8.8E+00	4.4E+00	5.6E+02	2.9E+02	4.5E+04	2.9E+03
Nitroglycerin	---	---	5.7E+00	2.5E+01	---	9.6E-03	4.8E-03	9.6E-01	4.8E-01	---	---	---	---
Nitrophenol, 2-	8.0E+02	4.1E+02	1.6E+02	7.1E+02	---	1.3E-01	6.7E-02	1.3E+01	6.7E+00	8.0E+02	4.1E+02	1.8E+05	1.2E+04
Nitrophenol, 3-	1.5E+03	7.7E+02	1.6E+02	7.1E+02	---	2.3E-01	1.1E-01	2.3E+01	1.1E+01	1.5E+03	7.7E+02	1.0E+06	5.4E+05
Nitrophenol, 4-	1.6E+02	8.3E+01	1.6E+02	7.1E+02	---	1.0E-01	5.0E-02	1.0E+01	5.0E+00	1.6E+02	8.3E+01	4.8E+04	3.1E+03
Nitropropane, 2-	3.1E+02	1.6E+02	---	---	---	---	---	---	---	3.1E+02	1.6E+02	8.3E+03	5.4E+02
Nitroquinoline-N-oxide, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodiethanolamine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodiethylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodimethylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodi-n-butylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodi-n-propylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodiphenylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosomorpholine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitroso-N-ethylurea, N-	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosopiperidine, N-	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Lithium[2]	---	---	1.6E+03	7.1E+04	6.0E+03	---	---	---	---	---	---	---	---
Magnesium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	5.0E+03	2.6E+03	1.6E+03	7.1E+03	---	6.6E+00	3.3E+00	6.6E+02	3.3E+02	5.0E+03	2.6E+03	1.0E+06	2.0E+05
Maleic anhydride	2.1E+02	1.1E+02	8.2E+03	3.6E+04	---	7.2E+00	3.6E+00	7.2E+02	3.6E+02	2.1E+02	1.1E+02	4.6E+04	3.0E+03
Maleic hydrazide	2.5E+04	1.3E+04	4.1E+04	1.8E+05	---	3.6E+01	1.8E+01	3.6E+03	1.8E+03	2.5E+04	1.3E+04	1.0E+06	1.0E+06
Malononitrile	1.2E+03	6.3E+02	1.6E+00	7.1E+00	---	1.0E-03	5.2E-04	1.0E-01	5.2E-02	1.2E+03	6.3E+02	3.2E+05	2.0E+04
Mancozeb	---	---	2.5E+03	1.1E+04	---	1.8E+00	9.0E-01	1.8E+02	9.0E+01	---	---	---	---
Manganese	4.8E+04	2.5E+04	1.1E+04	3.0E+04	7.6E+03	1.2E+03	5.8E+02	1.2E+05	5.8E+04	---	---	---	---
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	---	4.1E+01	1.8E+02	---	2.3E-02	1.2E-02	2.3E+00	1.2E+00	---	---	---	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	---	8.2E+01	3.6E+02	---	4.7E-02	2.3E-02	4.7E+00	2.3E+00	---	---	---	---
Merphos	---	---	2.5E+00	1.1E+01	---	6.5E+00	3.2E+00	6.5E+02	3.2E+02	---	---	---	---
Mercury[3]	4.6E+00	2.4E+00	2.5E+01	7.5E+01	3.6E+02	7.8E-03	3.9E-03	7.8E-01	3.9E-01	4.6E+00	2.4E+00	2.8E+01	1.8E+00
Methacrylic acid (2-methyl-2-propenoic acid)	2.7E+03	1.4E+03	8.2E+02	---	---	4.7E-01	2.3E-01	4.7E+01	2.3E+01	2.7E+03	1.4E+03	2.3E+05	1.5E+04
Methacrylonitrile	5.3E+01	2.7E+01	8.2E+00	---	---	5.0E-03	2.5E-03	5.0E-01	2.5E-01	5.3E+01	2.7E+01	2.1E+03	1.3E+02
Methanol	1.2E+04	6.1E+03	4.1E+04	---	---	2.4E+01	1.2E+01	2.4E+03	1.2E+03	1.2E+04	6.1E+03	1.0E+06	7.6E+04
Methapyrilene	9.0E+01	4.6E+01	---	---	---	---	---	---	---	9.0E+01	4.6E+01	3.1E+04	2.0E+03
Methomyl	1.5E+03	7.7E+02	2.0E+03	8.9E+03	---	5.1E+00	2.5E+00	5.1E+02	2.5E+02	1.5E+03	7.7E+02	5.9E+05	4.0E+04
Methoxychlor	3.1E+04	1.6E+04	4.1E+02	1.8E+03	1.5E+03	1.2E+02	6.2E+01	1.2E+04	6.2E+03	3.1E+04	1.6E+04	1.0E+06	1.0E+06
Methoxyethanol, 2-	3.1E+02	1.6E+02	---	---	---	---	---	---	---	3.1E+02	1.6E+02	4.5E+02	2.9E+01
Methyl acetate (acetic acid, methyl ester)	9.2E+03	4.7E+03	8.2E+04	---	---	4.9E+01	2.4E+01	4.9E+03	2.4E+03	9.2E+03	4.7E+03	2.7E+05	1.7E+04
Methyl acrylate	1.1E+02	5.5E+01	1.6E+02	---	---	1.0E-01	5.2E-02	1.0E+01	5.2E+00	1.1E+02	5.5E+01	2.0E+03	1.3E+02
Methyl amyl ketone (2-heptanone)	9.1E+03	4.7E+03	4.1E+03	---	---	4.7E+00	2.4E+00	4.7E+02	2.4E+02	9.1E+03	4.7E+03	3.5E+05	2.3E+04
Methyl-1-butene, 2-	2.8E+05	1.4E+05	4.9E+03	---	---	6.5E+01	3.2E+01	6.5E+03	3.2E+03	2.8E+05	1.4E+05	3.4E+05	2.2E+04
Methyl-2-butene, 2-	2.8E+05	1.4E+05	4.9E+03	---	---	3.9E+01	1.9E+01	3.9E+03	1.9E+03	2.8E+05	1.4E+05	4.0E+05	2.6E+04
Methylcholanthrene, 3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl chrysene, 1-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl chrysene, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl chrysene, 6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Methyl cyclohexane	4.6E+04	2.4E+04	4.1E+05	---	---	1.6E+04	7.8E+03	1.0E+06	7.8E+05	4.6E+04	2.4E+04	1.8E+05	1.2E+04
Methylene-bis (2-chloroaniline) 4,4'-	---	---	5.7E+01	2.5E+02	---	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Methylene bromide (dibromomethane)	2.7E+02	1.4E+02	4.9E+03	---	---	1.4E+01	6.8E+00	1.4E+03	6.8E+02	2.7E+02	1.4E+02	7.3E+03	4.7E+02
Methylene chloride (dichloromethane)	4.6E+04	2.4E+04	4.9E+03	---	---	1.3E-02	6.5E-03	1.3E+00	6.5E-01	4.6E+04	2.4E+04	2.0E+05	1.3E+04
Methyl ethyl ketone (2-butanone)	1.1E+05	5.9E+04	4.9E+04	---	---	2.9E+01	1.5E+01	2.9E+03	1.5E+03	1.1E+05	5.9E+04	1.0E+06	3.5E+05
Methyl iodide (iodomethane)	1.8E+02	9.5E+01	1.1E+02	---	---	1.1E-01	5.7E-02	1.1E+01	5.7E+00	1.8E+02	9.5E+01	5.6E+02	3.6E+01
Methyl isobutyl ketone (4-methyl-2-pentanone)	5.8E+04	3.0E+04	6.6E+03	---	---	4.9E+00	2.5E+00	4.9E+02	2.5E+02	5.8E+04	3.0E+04	1.0E+06	1.1E+05
Methyl mercury	---	---	8.2E+00	3.6E+02	---	---	---	---	---	---	---	---	---
Methylmecury hydroxide	1.2E+00	6.0E-01	8.2E+00	3.6E+01	---	4.8E-03	2.4E-03	4.8E-01	2.4E-01	1.2E+00	6.0E-01	2.8E+02	2.0E+01
Methyl methacrylate	1.1E+04	5.5E+03	1.1E+05	---	---	9.8E+01	4.9E+01	9.8E+03	4.9E+03	1.1E+04	5.5E+03	2.3E+05	1.5E+04
Methyl methanesulfonate	---	---	---	---	---	---	---	---	---	---	---	---	---
Methylnaphthalene, 1-	---	---	5.7E+03	1.9E+04	---	1.6E+02	8.0E+01	1.6E+04	8.0E+03	---	---	---	---
Methylnaphthalene, 2-	---	---	3.3E+02	1.1E+03	---	1.7E+01	8.5E+00	1.7E+03	8.5E+02	---	---	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
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Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Furan	4.3E+02	2.2E+02	8.2E+01	---	---	8.1E-02	4.1E-02	8.1E+00	4.1E+00	4.3E+02	2.2E+02	1.3E+03	8.6E+01
Furfural	6.1E+02	3.1E+02	2.5E+02	---	---	1.5E-01	7.4E-02	1.5E+01	7.4E+00	6.1E+02	3.1E+02	8.7E+04	5.7E+03
Glycidylaldehyde	1.5E+02	7.7E+01	3.3E+01	---	---	2.2E-02	1.1E-02	2.2E+00	1.1E+00	1.5E+02	7.7E+01	3.3E+04	2.1E+03
Glyphosate	---	---	8.2E+03	3.6E+04	---	1.3E+00	6.7E-01	1.3E+02	6.7E+01	---	---	---	---
Heptachlor	---	---	4.1E+01	1.8E+02	9.0E+00	1.9E-01	9.4E-02	1.9E+01	9.4E+00	---	---	---	---
Heptachlor epoxide	---	---	1.1E+00	4.6E+00	1.4E+00	5.8E-02	2.9E-02	5.8E+00	2.9E+00	---	---	---	---
Heptane, n-	2.8E+05	1.4E+05	4.9E+03	---	---	7.2E+02	3.6E+02	7.2E+04	3.6E+04	2.8E+05	1.4E+05	8.5E+05	5.5E+04
Heptanoic acid, n-	1.2E+02	6.3E+01	4.1E+04	1.8E+05	---	2.4E+01	1.2E+01	2.4E+03	1.2E+03	1.2E+02	6.3E+01	3.2E+04	2.1E+03
Hexachlorobenzene	---	---	6.6E+01	2.8E+02	6.4E+01	1.1E+00	5.6E-01	1.1E+02	5.6E+01	---	---	---	---
Hexachlorobutadiene	---	---	1.6E+01	7.1E+01	---	1.4E+00	6.9E-01	1.4E+02	6.9E+01	---	---	---	---
Hexachlorocyclohexane, alpha (alpha-BHC)	---	---	6.6E+02	7.1E+03	5.0E+02	1.1E+01	5.3E+00	1.1E+03	5.3E+02	---	---	---	---
Hexachlorocyclohexane, beta (beta-BHC)	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclohexane, delta (delta-BHC)	---	---	2.5E+01	2.7E+02	---	2.5E+00	1.3E+00	2.5E+02	1.3E+02	---	---	---	---
Hexachlorocyclohexane, gamma (lindane, gamma-BHC)	5.8E+02	3.0E+02	2.5E+01	2.7E+02	1.6E+01	9.2E-03	4.6E-03	9.2E-01	4.6E-01	5.8E+02	3.0E+02	3.8E+05	2.5E+04
Hexachlorocyclohexane, techn (technical-BHC)	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene (HCCPD)	1.4E+01	7.3E+00	4.9E+02	2.1E+03	---	1.9E+01	9.6E+00	1.9E+03	9.6E+02	1.4E+01	7.3E+00	2.1E+03	1.4E+02
Hexachloroethane	---	---	8.2E+01	3.6E+02	---	1.8E+00	9.2E-01	1.8E+02	9.2E+01	---	---	---	---
Hexachlorophene	---	---	2.5E+01	1.1E+02	2.6E+03	5.9E+03	2.9E+03	5.9E+05	2.9E+05	---	---	---	---
Hexachloropropylene	---	---	8.2E+01	3.6E+02	---	1.0E+01	5.2E+00	1.0E+03	5.2E+02	---	---	---	---
Hexane, n-	3.1E+03	1.6E+03	4.9E+03	---	---	2.0E+02	1.0E+02	2.0E+04	1.0E+04	3.1E+03	1.6E+03	1.6E+03	1.0E+02
Hexanediol, 1,6-	1.0E+06	1.0E+06	4.1E+05	1.0E+06	---	2.6E+02	1.3E+02	2.6E+04	1.3E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Hexanoic acid	1.4E+02	7.0E+01	4.1E+04	1.8E+05	---	2.3E+01	1.2E+01	2.3E+03	1.2E+03	1.4E+02	7.0E+01	4.0E+04	2.6E+03
Hexanone, 2-	1.1E+02	5.7E+01	4.9E+03	---	---	3.9E+00	1.9E+00	3.9E+02	1.9E+02	1.1E+02	5.7E+01	4.1E+03	2.6E+02
Hexazinone	1.9E+03	9.7E+02	2.7E+03	1.2E+04	---	2.7E+00	1.4E+00	2.7E+02	1.4E+02	1.9E+03	9.7E+02	8.8E+05	1.5E+05
Hexylene glycol (2-methyl-2,4-pentanediol)	2.5E+01	1.3E+01	2.5E+04	1.1E+05	---	1.5E+01	7.4E+00	1.5E+03	7.4E+02	2.5E+01	1.3E+01	7.9E+03	5.1E+02
Hydrazine	---	---	---	---	---	---	---	---	---	---	---	---	---
Hydrogen chloride (hydrochloric acid)*	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	1.1E+02	5.8E+01	1.6E+03	---	---	7.1E+00	3.6E+00	7.1E+02	3.6E+02	1.1E+02	5.8E+01	4.0E+03	2.6E+02
Indeno-1,2,3-cd-pyrene	---	---	---	---	---	---	---	---	---	---	---	---	---
Iron*	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	7.3E+03	3.8E+03	2.5E+04	---	---	1.6E+01	7.9E+00	1.6E+03	7.9E+02	7.3E+03	3.8E+03	5.9E+05	3.8E+04
Isobutylene (2-methyl-1-propene)	6.1E+04	3.2E+04	---	---	---	---	---	---	---	6.1E+04	3.2E+04	6.7E+04	4.3E+03
Isobutyric acid (2-methylpropanoic acid)	1.1E+02	5.9E+01	4.1E+04	1.8E+05	---	2.3E+01	1.2E+01	2.3E+03	1.2E+03	1.1E+02	5.9E+01	2.8E+04	1.8E+03
Isodrin	---	---	2.5E-01	1.1E+00	---	2.0E+01	1.0E+01	2.0E+03	1.0E+03	---	---	---	---
Isophorone	2.7E+03	1.4E+03	1.6E+04	7.1E+04	---	1.5E+01	7.6E+00	1.5E+03	7.6E+02	2.7E+03	1.4E+03	3.2E+05	2.1E+04
Isopropyl acetate	---	---	5.7E+03	---	---	4.0E+00	2.0E+00	4.0E+02	2.0E+02	---	---	---	---
Isopropyl alcohol	3.4E+04	1.7E+04	1.6E+04	---	---	1.0E+01	5.0E+00	1.0E+03	5.0E+02	3.4E+04	1.7E+04	1.0E+06	2.0E+05
Isosafrole	---	---	---	---	---	---	---	---	---	---	---	---	---
Kelthane (dicofol)	---	---	4.9E+02	2.1E+03	8.2E+02	7.4E+01	3.7E+01	7.4E+03	3.7E+03	---	---	---	---
Kepone (chlordecone)	---	---	4.1E+01	1.8E+02	2.1E+02	1.3E+01	6.6E+00	1.3E+03	6.6E+02	---	---	---	---
Lead (inorganic)	NA	NA	5.0E+02	NA	NA	3.0E+00	1.5E+00	3.0E+02	1.5E+02	---	---	---	---
Limonene, d-*	---	---	---	---	---	---	---	---	---	---	---	---	---

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Individual Tier 1 Soil PCLs
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Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh.VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh.VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh.V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh.V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh.V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh.V}$ 30 acre source area (mg/kg)
Endosulfan sulfate	---	---	4.9E+02	2.1E+03	1.0E+04	4.7E+03	2.3E+03	4.7E+05	2.3E+05	---	---	---	---
Endothall	---	---	1.6E+03	7.1E+03	---	5.3E-01	2.7E-01	5.3E+01	2.7E+01	---	---	---	---
Endrin	4.7E+02	2.4E+02	2.5E+01	1.1E+02	1.6E+01	7.5E-01	3.8E-01	7.5E+01	3.8E+01	4.7E+02	2.4E+02	1.0E+06	7.9E+04
Endrin aldehyde	---	---	2.5E+01	1.1E+02	6.5E+02	6.3E+02	3.1E+02	6.3E+04	3.1E+04	---	---	---	---
Endrin ketone	1.9E+03	9.5E+02	2.5E+01	1.1E+02	3.8E+02	5.1E+01	2.5E+01	5.1E+03	2.5E+03	1.9E+03	9.7E+02	1.0E+06	1.0E+06
Epichlorohydrin	2.6E+01	1.4E+01	1.6E+02	---	---	9.8E-02	4.9E-02	9.8E+00	4.9E+00	2.6E+01	1.4E+01	1.4E+03	9.1E+01
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	---	8.2E-01	3.6E+00	---	5.5E-02	2.7E-02	5.5E+00	2.7E+00	---	---	---	---
Esfenvalerate	---	---	1.6E+02	7.1E+02	1.7E+02	1.2E+02	6.2E+01	1.2E+04	6.2E+03	---	---	---	---
Ethalfluralin (sonolan)	---	---	3.3E+03	1.4E+04	4.3E+04	2.4E+03	1.2E+03	2.4E+05	1.2E+05	---	---	---	---
Ethanol	8.8E+04	4.5E+04	1.0E+06	---	---	1.6E+03	7.9E+02	1.6E+05	7.9E+04	8.8E+04	4.5E+04	1.0E+06	5.5E+05
Ethion	2.3E+03	1.2E+03	4.1E+01	1.8E+02	1.6E+02	7.6E+00	3.8E+00	7.6E+02	3.8E+02	2.3E+03	1.2E+03	1.0E+06	4.8E+05
Ethoprop	---	---	8.2E+00	3.6E+01	---	1.2E-01	6.2E-02	1.2E+01	6.2E+00	---	---	---	---
Ethoxy ethanol, 2-	3.1E+03	1.6E+03	3.3E+04	---	---	7.1E+01	3.6E+01	7.1E+03	3.6E+03	3.1E+03	1.6E+03	3.6E+03	2.3E+02
Ethyl acetate	2.3E+04	1.2E+04	7.4E+04	---	---	4.7E+01	2.4E+01	4.7E+03	2.4E+03	2.3E+04	1.2E+04	7.1E+05	4.6E+04
Ethyl acrylate	4.8E+02	2.5E+02	---	---	---	---	---	---	---	4.8E+02	2.5E+02	1.4E+04	8.9E+02
Ethyl benzene	1.5E+04	7.9E+03	8.2E+03	---	---	7.6E+00	3.8E+00	7.6E+02	3.8E+02	1.5E+04	7.9E+03	1.7E+05	1.1E+04
Ethyl dipropylthiocarbamate, S-	---	---	2.0E+03	8.9E+03	---	7.0E+00	3.5E+00	7.0E+02	3.5E+02	---	---	---	---
Ethylene*	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	3.7E+03	1.9E+03	1.6E+03	---	---	1.0E+00	5.1E-01	1.0E+02	5.1E+01	3.7E+03	1.9E+03	9.6E+05	6.2E+04
Ethylene dibromide (dibromoethane, 1,2-)	5.0E+00	2.6E+00	---	---	---	2.1E-04	1.0E-04	2.1E-02	1.0E-02	5.0E+00	2.6E+00	1.2E+02	7.7E+00
Ethylene glycol	3.1E+03	1.6E+03	1.6E+05	7.1E+05	---	9.4E+01	4.7E+01	9.4E+03	4.7E+03	3.1E+03	1.6E+03	7.9E+05	5.1E+04
Ethylenimine	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene oxide	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene thiourea	4.9E+02	2.5E+02	6.6E+00	2.8E+01	---	3.8E-03	1.9E-03	3.8E-01	1.9E-01	4.9E+02	2.5E+02	1.0E+05	6.7E+03
Ethyl ether	1.9E+04	9.6E+03	1.6E+04	---	---	1.1E+01	5.6E+00	1.1E+03	5.6E+02	1.9E+04	9.6E+03	1.9E+05	1.2E+04
Ethyl-1-hexanol, 2-	3.8E+04	1.9E+04	1.2E+04	5.3E+04	---	7.6E+01	3.8E+01	7.6E+03	3.8E+03	3.8E+04	1.9E+04	1.0E+06	3.5E+05
Ethyl-2-hexenal, 2-	4.7E+03	2.4E+03	1.2E+04	---	---	2.8E+01	1.4E+01	2.8E+03	1.4E+03	4.7E+03	2.4E+03	1.4E+05	9.2E+03
Ethylhexyl acrylate, 2-	2.8E+03	1.4E+03	---	---	---	---	---	---	---	2.8E+03	1.4E+03	5.4E+05	3.5E+04
Ethyl methacrylate	1.2E+04	6.1E+03	7.4E+03	---	---	7.5E+00	3.8E+00	7.5E+02	3.8E+02	1.2E+04	6.1E+03	3.2E+05	2.1E+04
Ethyl methanesulfonate	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-2-methyl benzene, 1-	8.4E+03	4.3E+03	1.6E+04	---	---	2.2E+02	1.1E+02	2.2E+04	1.1E+04	8.4E+03	4.3E+03	4.2E+05	2.7E+04
Ethyl-4-methyl benzene, 1-	7.2E+03	3.7E+03	1.6E+04	---	---	2.4E+02	1.2E+02	2.4E+04	1.2E+04	7.2E+03	3.7E+03	3.4E+05	2.2E+04
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	4.6E+03	2.4E+03	8.2E+01	---	---	8.9E-02	4.5E-02	8.9E+00	4.5E+00	4.6E+03	2.4E+03	4.0E+04	2.6E+03
Famphur	2.7E+02	1.4E+02	2.5E+00	1.1E+01	---	1.8E-03	9.1E-04	1.8E-01	9.1E-02	2.7E+02	1.4E+02	1.3E+05	2.5E+04
Fensulfothion	---	---	8.2E+01	3.6E+02	---	3.5E-01	1.8E-01	3.5E+01	1.8E+01	---	---	---	---
Fenthion	---	---	5.7E+00	2.5E+01	---	7.9E-02	3.9E-02	7.9E+00	3.9E+00	---	---	---	---
Fluoranthene	---	---	3.3E+03	1.1E+04	2.9E+04	1.9E+03	9.6E+02	1.9E+05	9.6E+04	---	---	---	---
Fluorene	---	---	3.3E+03	1.1E+04	2.2E+04	3.0E+02	1.5E+02	3.0E+04	1.5E+04	---	---	---	---
Fluorine (soluble fluoride)	---	---	4.9E+03	2.1E+05	---	---	---	---	---	---	---	---	---
Fluorochloridone	1.2E+04	6.0E+03	6.1E+02	2.7E+03	---	4.0E+00	2.0E+00	4.0E+02	2.0E+02	1.2E+04	6.0E+03	1.0E+06	5.2E+05
Fonofos	---	---	1.6E+02	7.1E+02	---	7.1E+00	3.6E+00	7.1E+02	3.6E+02	---	---	---	---
Formaldehyde	8.8E+02	4.5E+02	1.6E+04	---	---	9.8E+00	4.9E+00	9.8E+02	4.9E+02	8.8E+02	4.5E+02	1.5E+05	1.0E+04
Formic acid	6.7E+02	3.4E+02	1.6E+05	---	---	9.4E+01	4.7E+01	9.4E+03	4.7E+03	6.7E+02	3.4E+02	1.1E+05	6.8E+03

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Dicyclopentadiene	---	---	2.5E+03	---	---	---	---	---	---	---	---	---	---
Dieldrin	---	---	4.1E+00	1.8E+01	6.3E+00	1.0E+00	5.2E-01	1.0E+02	5.2E+01	---	---	---	---
Diethanolamine	2.8E+02	1.4E+02	4.1E+01	1.8E+02	---	2.3E-02	1.2E-02	2.3E+00	1.2E+00	2.8E+02	1.4E+02	3.0E+05	1.1E+05
Diethyl phthalate	2.8E+03	1.5E+03	6.6E+04	2.8E+05	---	1.6E+02	7.8E+01	1.6E+04	7.8E+03	2.8E+03	1.5E+03	1.0E+06	7.0E+04
Diethylene glycol	---	---	1.6E+05	7.1E+05	---	9.4E+01	4.7E+01	9.4E+03	4.7E+03	---	---	---	---
Diethylene glycol monobutyl ether	4.1E+03	2.1E+03	7.4E+03	3.2E+04	---	4.7E+00	2.4E+00	4.7E+02	2.4E+02	4.1E+03	2.1E+03	1.0E+06	8.9E+04
Diethylhexyl adipate	3.2E+04	1.6E+04	4.9E+04	2.1E+05	---	6.1E+03	3.0E+03	6.1E+05	3.0E+05	3.2E+04	1.6E+04	1.0E+06	1.0E+06
Diethylstilbestrol	---	---	---	---	---	---	---	---	---	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	3.1E+03	1.6E+03	4.9E+03	---	---	6.1E+02	3.0E+02	6.1E+04	3.0E+04	3.1E+03	1.6E+03	9.5E+03	6.1E+02
Diisopropyl ether (2,2'-oxybis-propane)	1.5E+04	7.9E+03	8.2E+03	---	---	1.2E+01	6.0E+00	1.2E+03	6.0E+02	1.5E+04	7.9E+03	1.4E+05	8.9E+03
Dimethenamid	---	---	1.2E+03	5.3E+03	---	1.0E+00	5.2E-01	1.0E+02	5.2E+01	---	---	---	---
Dimethoate	---	---	1.6E+01	7.1E+01	---	1.0E-02	5.1E-03	1.0E+00	5.1E-01	---	---	---	---
Dimethoxybenzidine, 3,3'-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylaminoazobenzene, p-	---	---	8.2E-01	3.6E+00	1.5E+01	1.1E+00	5.6E-01	1.1E+02	5.6E+01	---	---	---	---
Dimethylbenz-a-anthracene, 7,12-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylbenzidine, 3,3'-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylnaphthalene, 1,3-	---	---	3.3E+03	1.1E+04	3.1E+04	7.9E+02	3.9E+02	7.9E+04	3.9E+04	---	---	---	---
Dimethyl phenol, 2,4-	5.0E+03	2.6E+03	1.6E+03	7.1E+03	---	3.2E+00	1.6E+00	3.2E+02	1.6E+02	5.0E+03	2.6E+03	1.0E+06	7.0E+04
Dimethylphenethylamine, alpha, alpha-	2.0E+05	1.0E+05	1.6E+02	7.1E+02	---	3.8E-01	1.9E-01	3.8E+01	1.9E+01	2.0E+05	1.0E+05	1.0E+06	1.0E+06
Dimethylphthalate	1.3E+03	6.7E+02	6.6E+04	2.8E+05	---	6.2E+01	3.1E+01	6.2E+03	3.1E+03	1.3E+03	6.7E+02	3.4E+05	2.2E+04
Di-n-butyl phthalate	3.0E+04	1.5E+04	8.2E+03	3.6E+04	8.7E+04	3.3E+03	1.7E+03	3.3E+05	1.7E+05	3.0E+04	1.5E+04	1.0E+06	1.0E+06
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	2.4E+02	1.2E+02	8.2E+00	3.6E+01	---	7.6E-03	3.8E-03	7.6E-01	3.8E-01	2.4E+02	1.2E+02	5.9E+04	3.8E+03
Dinitrobenzene, 1,4-	2.7E+02	1.4E+02	3.3E+01	1.4E+02	---	2.9E-02	1.4E-02	2.9E+00	1.4E+00	2.7E+02	1.4E+02	7.7E+04	5.0E+03
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	4.7E+01	2.4E+01	1.6E+02	7.1E+02	---	9.4E-02	4.7E-02	9.4E+00	4.7E+00	4.7E+01	2.4E+01	1.6E+04	1.0E+03
Dinitrophenol, 2,4-	---	---	1.6E+02	7.1E+02	---	9.4E-02	4.7E-02	9.4E+00	4.7E+00	---	---	---	---
Dinitrophenol, 2,5-	---	---	1.6E+02	7.1E+02	---	9.6E-02	4.8E-02	9.6E+00	4.8E+00	---	---	---	---
Dinitrotoluene, 2,4-	2.9E+01	1.5E+01	1.6E+02	7.1E+02	---	1.9E-01	9.7E-02	1.9E+01	9.7E+00	2.9E+01	1.5E+01	4.9E+03	3.1E+02
Dinitrotoluene, 2,6-	4.3E+01	2.2E+01	8.2E+01	3.6E+02	---	8.8E-02	4.4E-02	8.8E+00	4.4E+00	4.3E+01	2.2E+01	1.1E+04	7.3E+02
Di-n-octyl phthalate	---	---	1.6E+03	7.1E+03	4.1E+04	1.0E+06	8.1E+05	1.0E+06	1.0E+06	---	---	---	---
Dinoseb	---	---	8.2E+01	3.6E+02	---	3.5E-01	1.8E-01	3.5E+01	1.8E+01	---	---	---	---
Dioxane 1,4-	3.5E+03	1.8E+03	---	---	---	---	---	---	---	3.5E+03	1.8E+03	2.9E+05	1.9E+04
Diphenylamine	3.8E+03	2.0E+03	2.0E+03	8.9E+03	---	9.6E+00	4.8E+00	9.6E+02	4.8E+02	3.8E+03	2.0E+03	8.8E+05	5.7E+04
Diphenylhydrazine, 1,2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Diphenyl oxide	2.2E+03	1.1E+03	5.1E+02	2.2E+03	4.5E+03	9.2E+01	4.6E+01	9.2E+03	4.6E+03	2.2E+03	1.1E+03	5.5E+05	3.5E+04
Diquat	7.7E+01	3.9E+01	1.8E+02	7.8E+02	---	2.0E-01	1.0E-01	2.0E+01	1.0E+01	7.7E+01	3.9E+01	4.3E+05	2.0E+05
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	---	8.2E+02	3.6E+03	---	4.7E-01	2.3E-01	4.7E+01	2.3E+01	---	---	---	---
Disulfoton	1.5E+02	7.7E+01	3.3E+00	1.4E+01	---	3.5E-01	1.8E-01	3.5E+01	1.8E+01	1.5E+02	7.7E+01	1.3E+05	8.1E+03
Diuron	1.1E+04	5.7E+03	1.6E+02	7.1E+02	---	9.3E-01	4.6E-01	9.3E+01	4.6E+01	1.1E+04	5.7E+03	1.0E+06	4.8E+05
Dodecylphenol, 4-	1.0E+06	1.0E+06	4.1E+03	1.8E+04	3.9E+05	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Endosulfan	7.9E+01	4.1E+01	4.9E+02	2.1E+03	---	4.6E+00	2.3E+00	4.6E+02	2.3E+02	8.0E+01	4.1E+01	3.6E+04	2.4E+03
Endosulfan I	1.9E+02	9.5E+01	1.6E+02	7.1E+02	2.9E+02	3.1E+01	1.5E+01	3.1E+03	1.5E+03	1.9E+02	9.6E+01	5.7E+05	3.7E+04
Endosulfan II	---	---	4.9E+02	2.1E+03	8.6E+02	9.2E+01	4.6E+01	9.2E+03	4.6E+03	---	---	---	---

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Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Diallate	---	---	---	---	---	---	---	---	---	---	---	---	---
Diazinon	6.5E+01	3.3E+01	7.4E+01	3.2E+02	---	1.6E-01	7.9E-02	1.6E+01	7.9E+00	6.5E+01	3.3E+01	2.9E+04	1.9E+03
Dibenz-a,h-acridine	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenz-a,h-anthracene	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenz-a,j-acridine	---	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	3.3E+02	1.4E+03	---	3.3E+01	1.7E+01	3.3E+03	1.7E+03	---	---	---	---
Dibenzothiophene	---	---	2.5E+02	1.1E+03	2.6E+03	1.0E+02	5.0E+01	1.0E+04	5.0E+03	---	---	---	---
Dibromochloromethane (chlorodibromomethane)	---	---	1.6E+03	---	---	2.2E+00	1.1E+00	2.2E+02	1.1E+02	---	---	---	---
Dibromo-3-chloropropane, 1,2-	8.1E+00	4.2E+00	---	---	---	1.7E-03	8.7E-04	1.7E-01	8.7E-02	8.1E+00	4.2E+00	2.8E+02	1.8E+01
Dibromofluoromethane	7.7E+04	3.9E+04	1.6E+04	---	---	1.6E+01	7.8E+00	1.6E+03	7.8E+02	7.7E+04	3.9E+04	4.2E+05	2.7E+04
Dicamba	1.8E+03	9.1E+02	2.5E+03	1.1E+04	---	1.5E+00	7.3E-01	1.5E+02	7.3E+01	1.8E+03	9.1E+02	6.1E+05	3.9E+04
Dichlorobenzene, 1,2-	8.0E+02	4.1E+02	7.4E+03	---	---	1.8E+01	8.9E+00	1.8E+03	8.9E+02	8.0E+02	4.1E+02	3.5E+04	2.2E+03
Dichlorobenzene, 1,3-	1.2E+02	6.3E+01	2.5E+03	---	---	6.7E+00	3.4E+00	6.7E+02	3.4E+02	1.2E+02	6.3E+01	1.7E+03	1.1E+02
Dichlorobenzene, 1,4-	1.8E+04	9.1E+03	---	---	---	2.1E+00	1.1E+00	2.1E+02	1.1E+02	1.8E+04	9.1E+03	7.3E+05	4.7E+04
Dichlorobenzidine, 3,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobutane, 2,3-	1.1E+02	5.5E+01	8.2E+02	---	---	2.6E+00	1.3E+00	2.6E+02	1.3E+02	1.1E+02	5.5E+01	1.5E+03	9.9E+01
Dichloro-2-butene, 1,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloro-2-butene, 1,4- trans	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	7.6E+04	3.9E+04	1.6E+04	---	---	2.4E+02	1.2E+02	2.4E+04	1.2E+04	7.6E+04	3.9E+04	1.5E+05	9.4E+03
Dichloroethane, 1,1-	6.1E+03	3.2E+03	8.2E+03	---	---	9.2E+00	4.6E+00	9.2E+02	4.6E+02	6.1E+03	3.2E+03	2.7E+04	1.8E+03
Dichloroethane, 1,2-	3.7E+04	1.9E+04	---	---	---	1.4E-02	6.9E-03	1.4E+00	6.9E-01	3.7E+04	1.9E+04	2.4E+05	1.6E+04
Dichloroethylene, 1,1-	3.1E+03	1.6E+03	4.1E+03	---	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	3.1E+03	1.6E+03	7.0E+03	4.5E+02
Dichloroethylene, cis-1,2-	1.2E+04	6.3E+03	8.2E+02	---	---	2.5E-01	1.2E-01	2.5E+01	1.2E+01	1.2E+04	6.3E+03	5.8E+04	3.7E+03
Dichloroethylene, trans-1,2	1.2E+04	6.3E+03	1.6E+03	---	---	4.9E-01	2.5E-01	4.9E+01	2.5E+01	1.2E+04	6.3E+03	5.0E+04	3.2E+03
Dichlorophenol, 2,3-	2.5E+04	1.3E+04	2.5E+02	1.1E+03	---	5.4E-01	2.7E-01	5.4E+01	2.7E+01	2.5E+04	1.3E+04	1.0E+06	5.3E+05
Dichlorophenol, 2,4-	1.3E+04	6.8E+03	2.5E+02	1.1E+03	---	3.5E-01	1.8E-01	3.5E+01	1.8E+01	1.3E+04	6.8E+03	1.0E+06	1.7E+05
Dichlorophenol, 2,5-	2.4E+04	1.2E+04	2.5E+02	1.1E+03	---	5.0E-01	2.5E-01	5.0E+01	2.5E+01	2.4E+04	1.2E+04	1.0E+06	5.0E+05
Dichlorophenol, 2,6-	4.1E+03	2.1E+03	8.2E+01	3.6E+02	---	6.9E-02	3.4E-02	6.9E+00	3.4E+00	4.1E+03	2.1E+03	1.0E+06	6.6E+04
Dichlorophenol, 3,4-	5.6E+04	2.9E+04	2.5E+02	1.1E+03	---	2.0E+00	1.0E+00	2.0E+02	1.0E+02	5.6E+04	2.9E+04	1.0E+06	1.0E+06
Dichlorophenol, 3,5-	4.5E+04	2.3E+04	2.5E+02	1.1E+03	---	1.3E+00	6.6E-01	1.3E+02	6.6E+01	4.5E+04	2.3E+04	1.0E+06	1.0E+06
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	1.4E+03	7.4E+02	8.2E+02	7.1E+03	---	2.6E+00	1.3E+00	2.6E+02	1.3E+02	1.4E+03	7.4E+02	1.0E+06	8.0E+04
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	---	6.6E+02	2.8E+03	---	3.9E-01	1.9E-01	3.9E+01	1.9E+01	---	---	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	---	8.2E+02	3.6E+03	---	4.7E-01	2.3E-01	4.7E+01	2.3E+01	---	---	---	---
Dichloropropane, 1,2-	6.1E+01	3.2E+01	7.4E+03	---	---	2.3E-02	1.1E-02	2.3E+00	1.1E+00	6.1E+01	3.2E+01	5.3E+02	3.4E+01
Dichloropropane, 1,3-	3.1E+02	1.6E+02	2.5E+03	---	---	5.2E+00	2.6E+00	5.2E+02	2.6E+02	3.1E+02	1.6E+02	6.2E+03	4.0E+02
Dichloropropane, 2,2-	6.1E+01	3.2E+01	7.4E+03	---	---	2.0E+01	9.9E+00	2.0E+03	9.9E+02	6.1E+01	3.2E+01	5.1E+02	3.3E+01
Dichloropropanol, 2,3-	---	---	2.5E+02	1.1E+03	---	2.4E-01	1.2E-01	2.4E+01	1.2E+01	---	---	---	---
Dichloropropene, 1,1-	3.1E+02	1.6E+02	2.5E+03	---	---	1.1E+01	5.4E+00	1.1E+03	5.4E+02	3.1E+02	1.6E+02	9.7E+02	6.3E+01
Dichloropropene, 1,3- (mixed isomers)	3.1E+02	1.6E+02	2.5E+03	---	---	3.2E+00	1.6E+00	3.2E+02	1.6E+02	3.1E+02	1.6E+02	2.6E+03	1.7E+02
Dichloropropene, cis 1,3-	1.0E+02	5.3E+01	8.2E+00	---	---	9.6E-03	4.8E-03	9.6E-01	4.8E-01	1.0E+02	5.3E+01	9.1E+02	5.9E+01
Dichloropropene, trans 1,3-	3.1E+02	1.6E+02	2.5E+03	---	---	2.9E+00	1.4E+00	2.9E+02	1.4E+02	3.1E+02	1.6E+02	2.6E+03	1.7E+02
Dichlorvos	3.4E+05	1.8E+05	4.1E+01	1.8E+02	---	1.0E+06	9.5E+05	1.0E+06	1.0E+06	1.0E+06	6.2E+05	1.0E+06	1.0E+06
Dicrotophos (bidrin)	---	---	8.2E+00	3.6E+01	---	4.7E-03	2.3E-03	4.7E-01	2.3E-01	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenol, 2-	6.3E+03	3.2E+03	4.1E+02	---	---	1.6E+00	8.2E-01	1.6E+02	8.2E+01	6.3E+03	3.2E+03	8.2E+05	5.3E+04
Chlorophenol, 3-	1.3E+04	6.5E+03	4.1E+02	1.8E+03	---	7.8E-01	3.9E-01	7.8E+01	3.9E+01	1.3E+04	6.5E+03	1.0E+06	2.4E+05
Chlorophenol, 4-	1.3E+04	6.8E+03	4.1E+02	1.8E+03	---	8.4E-01	4.2E-01	8.4E+01	4.2E+01	1.3E+04	6.8E+03	1.0E+06	2.6E+05
Chlorophenyl phenylether, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Chloropropane, 2-	1.5E+03	7.9E+02	2.5E+03	---	---	5.4E+00	2.7E+00	5.4E+02	2.7E+02	1.5E+03	7.9E+02	3.5E+03	2.2E+02
Chloro-2-propanol, 1-	---	---	1.6E+03	---	---	1.1E+00	5.3E-01	1.1E+02	5.3E+01	---	---	---	---
Chlorothalonil	---	---	1.2E+03	5.3E+03	---	3.6E+01	1.8E+01	3.6E+03	1.8E+03	---	---	---	---
Chlorotoluene, o- (2-chlorotoluene)	4.3E+03	2.2E+03	1.6E+03	7.1E+03	---	9.1E+00	4.5E+00	9.1E+02	4.5E+02	4.3E+03	2.2E+03	1.4E+05	9.2E+03
Chlorotoluene, p- (4-chlorotoluene)	4.8E+00	2.5E+00	1.6E+03	---	---	1.1E+01	5.4E+00	1.1E+03	5.4E+02	4.8E+00	2.5E+00	1.7E+02	1.1E+01
Chlorpyrifos	3.4E+02	1.8E+02	2.5E+02	1.1E+03	3.6E+02	1.5E+01	7.4E+00	1.5E+03	7.4E+02	3.4E+02	1.8E+02	3.2E+05	2.1E+04
Chromium (III) (total chromium)	9.7E+04	5.0E+04	1.2E+05	6.9E+04	1.0E+06	2.4E+03	1.2E+03	2.4E+05	1.2E+05	---	---	---	---
Chromium (VI)	9.7E+04	5.0E+04	2.5E+02	2.7E+02	2.8E+03	2.8E+01	1.4E+01	2.8E+03	1.4E+03	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	1.9E+04	1.0E+04	4.9E+03	2.1E+05	3.0E+04	1.3E+03	6.6E+02	1.3E+05	6.6E+04	---	---	---	---
Copolymer acrylamide	3.6E+00	1.8E+00	1.6E+01	7.1E+01	---	9.4E-03	4.7E-03	9.4E-01	4.7E-01	3.6E+00	1.8E+00	9.3E+02	6.2E+01
Copper	9.7E+05	5.0E+05	3.3E+03	1.4E+05	6.6E+02	1.0E+03	5.2E+02	1.0E+05	5.2E+04	---	---	---	---
Coronene	---	---	1.6E+02	7.1E+02	7.6E+03	5.6E+04	2.8E+04	1.0E+06	1.0E+06	---	---	---	---
Coumaphos	---	---	5.7E+02	2.5E+03	5.3E+03	1.1E+02	5.5E+01	1.1E+04	5.5E+03	---	---	---	---
Cresol	3.0E+03	1.5E+03	4.1E+03	1.8E+04	---	6.6E+00	3.3E+00	6.6E+02	3.3E+02	3.0E+03	1.5E+03	6.7E+05	4.3E+04
Cresol, m- (3-methylphenol)	3.0E+03	1.5E+03	4.1E+03	1.8E+04	---	6.6E+00	3.3E+00	6.6E+02	3.3E+02	3.0E+03	1.5E+03	6.7E+05	4.3E+04
Cresol, o- (2-methylphenol)	2.8E+03	1.5E+03	4.1E+03	1.8E+04	---	7.1E+00	3.6E+00	7.1E+02	3.6E+02	2.8E+03	1.5E+03	5.8E+05	3.8E+04
Cresol, p- (4-methylphenol)	2.8E+03	1.5E+03	4.1E+02	1.8E+03	---	6.3E-01	3.2E-01	6.3E+01	3.2E+01	2.8E+03	1.5E+03	6.1E+05	4.0E+04
Crotonaldehyde	1.9E+02	9.9E+01	---	---	---	---	---	---	---	1.9E+02	9.9E+01	1.3E+04	8.1E+02
Cumene (isopropylbenzene)	9.2E+03	4.8E+03	8.2E+03	---	---	3.5E+02	1.7E+02	3.5E+04	1.7E+04	9.2E+03	4.8E+03	6.2E+05	4.0E+04
Cyanazine	---	---	1.6E+02	7.1E+02	---	1.9E-01	9.5E-02	1.9E+01	9.5E+00	---	---	---	---
Cyanide	1.0E+06	1.0E+06	1.6E+03	7.1E+04	---	4.0E+01	2.0E+01	4.0E+03	2.0E+03	---	---	---	---
Cyanogen	3.2E+02	1.7E+02	3.3E+03	---	---	2.4E+00	1.2E+00	2.4E+02	1.2E+02	3.2E+02	1.7E+02	4.8E+02	3.1E+01
Cycloate	---	---	4.5E+03	2.0E+04	---	1.5E+02	7.6E+01	1.5E+04	7.6E+03	---	---	---	---
Cyclohexane	9.2E+04	4.7E+04	4.1E+05	---	---	5.9E+03	2.9E+03	5.9E+05	2.9E+05	9.2E+04	4.7E+04	2.9E+05	1.8E+04
Cyclohexanol	3.1E+04	1.6E+04	4.1E+05	1.0E+06	---	2.9E+02	1.5E+02	2.9E+04	1.5E+04	3.1E+04	1.6E+04	1.0E+06	4.3E+05
Cyclohexanone	5.0E+03	2.6E+03	4.1E+05	---	---	2.6E+02	1.3E+02	2.6E+04	1.3E+04	5.0E+03	2.6E+03	4.3E+05	2.8E+04
Cyclotetramethylenetetranitramine (HMX)	4.5E+02	2.3E+02	4.1E+03	2.7E+03	---	2.3E+00	1.2E+00	2.3E+02	1.2E+02	4.5E+02	2.3E+02	1.0E+06	1.0E+06
Cyclotrimethylenetrinitramine (RDX)	5.6E+01	2.9E+01	2.5E+02	1.1E+03	---	3.3E-01	1.6E-01	3.3E+01	1.6E+01	5.6E+01	2.9E+01	5.2E+03	3.4E+02
Cymene (isopropyltoluene)	6.9E+03	3.5E+03	8.2E+03	---	---	2.3E+02	1.2E+02	2.3E+04	1.2E+04	6.9E+03	3.5E+03	4.3E+05	2.8E+04
Cymoxanil	---	---	1.1E+03	4.6E+03	---	6.1E-01	3.0E-01	6.1E+01	3.0E+01	---	---	---	---
Dacthal (DCPA)	---	---	8.2E+02	3.6E+03	1.0E+04	4.5E+02	2.3E+02	4.5E+04	2.3E+04	---	---	---	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	---	2.5E+03	1.1E+04	---	5.8E-01	2.9E-01	5.8E+01	2.9E+01	---	---	---	---
DDD	---	---	---	---	---	---	---	---	---	---	---	---	---
DDE	---	---	---	---	---	---	---	---	---	---	---	---	---
DDT	---	---	4.1E+01	5.9E+02	3.7E+01	6.7E+01	3.4E+01	6.7E+03	3.4E+03	---	---	---	---
Demeton	---	---	3.3E+00	1.4E+01	---	1.2E-02	6.2E-03	1.2E+00	6.2E-01	---	---	---	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	---	3.3E+03	1.4E+04	---	1.9E+00	9.7E-01	1.9E+02	9.7E+01	---	---	---	---

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Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Butyl benzyl phthalate	2.5E+04	1.3E+04	1.6E+04	7.1E+04	4.7E+04	2.7E+03	1.3E+03	2.7E+05	1.3E+05	2.5E+04	1.3E+04	1.0E+06	1.0E+06
Butylate	---	---	4.1E+03	1.8E+04	---	8.5E+00	4.3E+00	8.5E+02	4.3E+02	---	---	---	---
Butylbenzene, n-	6.6E+03	3.4E+03	3.3E+03	1.4E+04	---	1.2E+02	6.1E+01	1.2E+04	6.1E+03	6.6E+03	3.4E+03	4.5E+05	2.9E+04
Butylbenzene, sec-	5.7E+03	2.9E+03	3.3E+03	---	---	8.5E+01	4.2E+01	8.5E+03	4.2E+03	5.7E+03	2.9E+03	3.4E+05	2.2E+04
Butylbenzene, tert-	4.7E+03	2.4E+03	3.3E+03	---	---	1.0E+02	5.0E+01	1.0E+04	5.0E+03	4.7E+03	2.4E+03	2.5E+05	1.6E+04
Butyl ether, n- (dibutyl ether)	2.3E+03	1.2E+03	8.2E+03	---	---	4.3E+01	2.2E+01	4.3E+03	2.2E+03	2.3E+03	1.2E+03	8.9E+04	5.8E+03
Cacodylic acid	---	---	2.5E+02	1.1E+03	---	1.5E-01	7.4E-02	1.5E+01	7.4E+00	---	---	---	---
Cadmium	---	---	2.6E+02	2.2E+03	6.6E+01	1.5E+00	7.5E-01	1.5E+02	7.5E+01	---	---	---	---
Calcium*	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	3.3E+02	1.7E+02	4.1E+04	1.8E+05	---	4.7E+01	2.3E+01	4.7E+03	2.3E+03	3.3E+02	1.7E+02	9.3E+04	6.1E+03
Captan	1.1E+04	5.8E+03	1.1E+04	4.6E+04	---	8.2E+02	4.1E+02	8.2E+04	4.1E+04	1.1E+04	5.9E+03	1.0E+06	9.3E+05
Carbaryl	4.0E+03	2.1E+03	8.2E+03	3.6E+04	---	2.8E+01	1.4E+01	2.8E+03	1.4E+03	4.0E+03	2.1E+03	1.0E+06	1.3E+05
Carbazole	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbofuran	3.4E+01	1.7E+01	4.1E+02	1.8E+03	---	1.2E-01	6.2E-02	1.2E+01	6.2E+00	3.4E+01	1.7E+01	1.2E+04	7.5E+02
Carbon disulfide	1.1E+04	5.5E+03	8.2E+03	---	---	1.4E+01	6.8E+00	1.4E+03	6.8E+02	1.1E+04	5.5E+03	2.7E+04	1.7E+03
Carbon tetrachloride	3.1E+01	1.6E+01	5.7E+01	---	---	6.2E-02	3.1E-02	6.2E+00	3.1E+00	3.1E+01	1.6E+01	1.3E+02	8.1E+00
Carbophenothion	---	---	1.1E+03	4.6E+03	1.6E+04	1.5E+03	7.4E+02	1.5E+05	7.4E+04	---	---	---	---
Carbosulfan	---	---	8.2E+02	3.6E+03	1.2E+03	2.5E+02	1.3E+02	2.5E+04	1.3E+04	---	---	---	---
Carboxin	---	---	8.2E+03	3.6E+04	---	8.7E+01	4.4E+01	8.7E+03	4.4E+03	---	---	---	---
Chloral	7.5E+02	3.8E+02	8.2E+03	---	---	5.3E+00	2.7E+00	5.3E+02	2.7E+02	7.5E+02	3.8E+02	1.8E+05	1.2E+04
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	8.4E+02	4.3E+02	8.2E+03	3.6E+04	---	5.2E+00	2.6E+00	5.2E+02	2.6E+02	8.4E+02	4.3E+02	2.4E+05	1.6E+04
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	---	---	1.2E+03	5.3E+03	---	3.8E+00	1.9E+00	3.8E+02	1.9E+02	---	---	---	---
Chlordane (technical)	3.7E+03	1.9E+03	4.1E+01	4.4E+02	4.6E+01	9.6E+00	4.8E+00	9.6E+02	4.8E+02	3.7E+03	1.9E+03	1.0E+06	7.2E+05
Chlordane, cis- (alpha chlordane)	1.2E+04	6.2E+03	4.1E+01	1.8E+02	1.4E+03	3.5E+03	1.7E+03	3.5E+05	1.7E+05	1.2E+04	6.3E+03	1.0E+06	1.0E+06
Chlordane, gamma	2.9E+03	1.5E+03	4.1E+01	1.8E+02	7.8E+01	1.9E+02	9.6E+01	1.9E+04	9.6E+03	2.9E+03	1.5E+03	1.0E+06	4.7E+05
Chlorfenvinphos	3.1E+01	1.6E+01	5.7E+01	2.5E+02	5.2E+01	9.1E-01	4.6E-01	9.1E+01	4.6E+01	3.1E+01	1.6E+01	---	---
Chloride*	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorine	2.3E+01	1.2E+01	8.2E+03	7.1E+04	---	---	---	---	---	2.3E+01	1.2E+01	---	---
Chloroaniline, p-	1.4E+03	7.4E+02	3.3E+02	1.4E+03	---	4.5E-01	2.2E-01	4.5E+01	2.2E+01	1.4E+03	7.4E+02	3.1E+05	2.0E+04
Chlorobenzene	9.2E+02	4.7E+02	1.6E+03	---	---	1.1E+00	5.5E-01	1.1E+02	5.5E+01	9.2E+02	4.7E+02	1.5E+04	9.8E+02
Chlorobenzilate	---	---	1.6E+03	7.1E+03	---	1.7E+01	8.3E+00	1.7E+03	8.3E+02	---	---	---	---
Chlorobromomethane (bromochloromethane)	7.7E+02	3.9E+02	3.3E+03	---	---	3.0E+00	1.5E+00	3.0E+02	1.5E+02	7.7E+02	3.9E+02	7.0E+03	4.5E+02
Chloro-1,3-butadiene, 2-	1.1E+02	5.5E+01	---	---	---	---	---	---	---	1.1E+02	5.5E+01	2.4E+02	1.5E+01
Chlorodifluoromethane	7.7E+05	3.9E+05	---	---	---	---	---	---	---	7.7E+05	3.9E+05	8.9E+05	5.8E+04
Chloroethane (ethyl chloride)	1.5E+05	7.9E+04	3.3E+04	---	---	3.1E+01	1.5E+01	3.1E+03	1.5E+03	1.5E+05	7.9E+04	3.7E+05	2.4E+04
Chloroethanol, 2-	3.4E+02	1.8E+02	3.3E+04	---	---	1.9E+01	9.7E+00	1.9E+03	9.7E+02	3.4E+02	1.8E+02	7.1E+04	4.6E+03
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	4.6E+00	2.4E+00	1.6E+02	---	---	1.7E-01	8.5E-02	1.7E+01	8.5E+00	4.6E+00	2.4E+00	6.8E+01	4.4E+00
Chloroform	1.5E+03	7.7E+02	8.2E+02	---	---	1.0E+00	5.1E-01	1.0E+02	5.1E+01	1.5E+03	7.7E+02	8.0E+03	5.2E+02
Chlorohexane, 1-	1.5E+04	7.9E+03	3.3E+03	---	---	3.9E+01	2.0E+01	3.9E+03	2.0E+03	1.5E+04	7.9E+03	2.9E+05	1.9E+04
Chloromethane (methyl chloride)	1.4E+03	7.1E+02	---	---	---	---	---	---	---	1.4E+03	7.1E+02	1.5E+03	9.4E+01
Chloro-3-methylphenol, 4-	3.4E+04	1.8E+04	4.1E+02	1.8E+03	---	4.5E+00	2.3E+00	4.5E+02	2.3E+02	3.4E+04	1.8E+04	1.0E+06	1.0E+06
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	---	6.6E+03	2.2E+04	5.2E+04	7.4E+02	3.7E+02	7.4E+04	3.7E+04	---	---	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	---	6.6E+03	2.2E+04	---	6.7E+02	3.3E+02	6.7E+04	3.3E+04	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Bayleton	---	---	2.5E+03	1.1E+04	---	7.4E+00	3.7E+00	7.4E+02	3.7E+02	---	---	---	---
Benefin (benfluralin)	---	---	2.5E+04	1.1E+05	4.2E+05	4.9E+04	2.4E+04	1.0E+06	1.0E+06	---	---	---	---
Benomyl	---	---	4.1E+03	1.8E+04	---	3.1E+00	1.5E+00	3.1E+02	1.5E+02	---	---	---	---
Benz-a-anthracene	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzaldehyde	4.8E+02	2.5E+02	8.2E+03	---	---	1.1E+01	5.3E+00	1.1E+03	5.3E+02	4.8E+02	2.5E+02	2.2E+04	1.4E+03
Benzene	4.6E+02	2.4E+02	2.5E+02	---	---	2.6E-02	1.3E-02	2.6E+00	1.3E+00	4.6E+02	2.4E+02	2.6E+03	1.7E+02
Benzenethiol	7.7E+00	3.9E+00	8.2E-01	---	---	6.8E-04	3.4E-04	6.8E-02	3.4E-02	7.7E+00	3.9E+00	1.3E+02	8.1E+00
Benzidine	---	---	2.5E+02	1.1E+03	---	2.0E-01	1.0E-01	2.0E+01	1.0E+01	---	---	---	---
Benzo-a-pyrene	---	---	---	---	---	7.6E+00	3.8E+00	7.6E+02	3.8E+02	---	---	---	---
Benzo-b-fluoranthene	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo-e-pyrene	---	---	2.5E+03	8.2E+03	7.4E+04	1.1E+05	5.7E+04	1.0E+06	1.0E+06	---	---	---	---
Benzo-g,h,i-perylene	---	---	2.5E+03	8.2E+03	3.0E+04	4.6E+04	2.3E+04	1.0E+06	1.0E+06	---	---	---	---
Benzoic acid	6.9E+02	3.5E+02	3.3E+05	1.0E+06	---	1.9E+02	9.5E+01	1.9E+04	9.5E+03	6.9E+02	3.5E+02	2.0E+05	1.3E+04
Benzo-k-fluoranthene	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzotrichloride	6.9E+01	3.5E+01	---	---	---	---	---	---	---	6.9E+01	3.5E+01	5.1E+03	3.3E+02
Benzyl alcohol	8.9E+03	4.6E+03	2.5E+04	1.1E+05	---	1.8E+01	8.8E+00	1.8E+03	8.8E+02	8.9E+03	4.6E+03	1.0E+06	1.4E+05
Benzyl chloride	1.5E+02	7.9E+01	---	---	---	---	---	---	---	1.5E+02	7.9E+01	4.6E+03	3.0E+02
Benzyl dichloride	1.1E+02	5.7E+01	---	---	---	---	---	---	---	1.1E+02	5.7E+01	4.7E+03	3.0E+02
Beryllium	1.9E+04	1.0E+04	1.6E+02	5.0E+01	3.1E+03	1.8E+00	9.2E-01	1.8E+02	9.2E+01	---	---	---	---
Biphenyl, 1,1-	2.7E+02	1.4E+02	4.1E+03	1.8E+04	---	2.5E+02	1.3E+02	2.5E+04	1.3E+04	2.7E+02	1.4E+02	4.2E+04	2.7E+03
Biquinoline, 2,2'-	---	---	2.5E+02	1.1E+03	1.9E+03	2.7E+01	1.3E+01	2.7E+03	1.3E+03	---	---	---	---
Bis (2-chloroethoxy) methane	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-chloroethyl) ether	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-chloroisopropyl) ether	---	---	3.3E+03	1.4E+04	---	1.4E+01	7.1E+00	1.4E+03	7.1E+02	---	---	---	---
Bis (2-chloromethyl) ether	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-ethyl-hexyl) phthalate	---	---	1.6E+03	1.4E+03	4.3E+02	1.6E+02	8.2E+01	1.6E+04	8.2E+03	---	---	---	---
Bismuth	---	---	4.1E+04	3.6E+05	---	---	---	---	---	---	---	---	---
Bisphenol A	9.5E+04	4.9E+04	4.1E+03	1.8E+04	---	2.9E+01	1.5E+01	2.9E+03	1.5E+03	9.6E+04	4.9E+04	1.0E+06	1.0E+06
Boron[2]	1.0E+06	1.0E+06	7.4E+03	3.2E+05	---	---	---	---	---	---	---	---	---
Bromobenzene	1.6E+02	8.3E+01	1.6E+03	---	---	5.8E+00	2.9E+00	5.8E+02	2.9E+02	1.6E+02	8.3E+01	4.5E+03	2.9E+02
Bromo-2-chloroethane, 1-	7.7E+02	3.9E+02	3.3E+03	---	---	3.5E+00	1.7E+00	3.5E+02	1.7E+02	7.7E+02	3.9E+02	9.0E+03	5.8E+02
Bromodichloromethane	---	---	1.6E+03	---	---	2.2E+00	1.1E+00	2.2E+02	1.1E+02	---	---	---	---
Bromoform	---	---	1.6E+03	---	---	2.7E+00	1.3E+00	2.7E+02	1.3E+02	---	---	---	---
Bromomethane (methyl bromide)	7.7E+01	3.9E+01	1.1E+02	---	---	1.3E-01	6.5E-02	1.3E+01	6.5E+00	7.7E+01	3.9E+01	1.8E+02	1.1E+01
Bromophenyl phenylether, 4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Butadiene, 1,3-	3.1E+01	1.6E+01	---	---	---	---	---	---	---	3.1E+01	1.6E+01	3.0E+01	1.9E+00
Butanal (butyraldehyde)	1.2E+04	6.3E+03	4.9E+03	---	---	3.2E+00	1.6E+00	3.2E+02	1.6E+02	1.2E+04	6.3E+03	3.5E+05	2.2E+04
Butanoic acid (butyric acid)	1.3E+02	6.6E+01	4.1E+04	1.8E+05	---	2.3E+01	1.2E+01	2.3E+03	1.2E+03	1.3E+02	6.6E+01	3.6E+04	2.4E+03
Butanol, n-	4.4E+03	2.3E+03	8.2E+03	---	---	5.3E+00	2.6E+00	5.3E+02	2.6E+02	4.4E+03	2.3E+03	4.3E+05	2.7E+04
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGB	1.0E+06	1.0E+06	4.1E+04	1.8E+05	---	2.9E+01	1.5E+01	2.9E+03	1.5E+03	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Butyl acetate	1.2E+03	6.4E+02	1.1E+04	---	---	1.0E+01	5.1E+00	1.0E+03	5.1E+02	1.2E+03	6.4E+02	3.1E+04	2.0E+03
Butyl acrylate	1.3E+02	6.8E+01	7.4E+02	---	---	1.0E+00	5.2E-01	1.0E+02	5.2E+01	1.3E+02	6.8E+01	3.7E+03	2.4E+02

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Noncarcinogenic												
	$^{Air}Soil_{Inh,VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh,VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh,V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh,V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh,V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh,V}$ 30 acre source area (mg/kg)
Acenaphthene	---	---	4.9E+03	1.6E+04	1.4E+04	2.4E+02	1.2E+02	2.4E+04	1.2E+04	---	---	---	---
Acenaphthylene	---	---	4.9E+03	1.6E+04	---	4.1E+02	2.0E+02	4.1E+04	2.0E+04	---	---	---	---
Acetaldehyde	1.4E+02	7.4E+01	8.2E+03	---	---	5.0E+00	2.5E+00	5.0E+02	2.5E+02	1.4E+02	7.4E+01	4.8E+03	3.1E+02
Acetic acid*	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	1.1E+04	5.8E+03	7.4E+04	---	---	4.3E+01	2.1E+01	4.3E+03	2.1E+03	1.1E+04	5.8E+03	4.9E+05	3.2E+04
Acetone cyanohydrin	2.9E+02	1.5E+02	6.6E+01	2.8E+02	---	3.8E-02	1.9E-02	3.8E+00	1.9E+00	2.9E+02	1.5E+02	4.4E+04	2.9E+03
Acetonitrile	1.3E+03	6.7E+02	---	---	---	---	---	---	---	1.3E+03	6.7E+02	6.2E+04	4.0E+03
Acetophenone	4.8E+03	2.5E+03	8.2E+03	3.6E+04	---	8.2E+00	4.1E+00	8.2E+02	4.1E+02	4.8E+03	2.5E+03	4.6E+05	3.0E+04
Acetylaminofluorene, 2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Acifluorfen, sodium	6.5E+03	3.4E+03	1.1E+03	4.6E+03	---	2.0E+00	1.0E+00	2.0E+02	1.0E+02	6.5E+03	3.4E+03	1.0E+06	1.0E+06
Acridine	---	---	2.5E+02	1.1E+03	---	7.5E+00	3.8E+00	7.5E+02	3.8E+02	---	---	---	---
Acrolein	1.1E+00	5.8E-01	4.1E+01	---	---	2.4E-02	1.2E-02	2.4E+00	1.2E+00	1.1E+00	5.8E-01	1.4E+02	8.8E+00
Acrylamide	---	---	1.6E+01	7.1E+01	---	9.4E-03	4.7E-03	9.4E-01	4.7E-01	---	---	---	---
Acrylic acid (propenoic acid)	1.2E+02	6.2E+01	4.1E+04	---	---	2.4E+01	1.2E+01	2.4E+03	1.2E+03	1.2E+02	6.2E+01	3.0E+04	1.9E+03
Acrylonitrile	3.1E+01	1.6E+01	8.2E+01	---	---	4.8E-02	2.4E-02	4.8E+00	2.4E+00	3.1E+01	1.6E+01	6.6E+02	4.3E+01
Adipic acid (hexanedioic acid)	7.5E+02	3.9E+02	4.1E+05	1.0E+06	---	2.3E+02	1.2E+02	2.3E+04	1.2E+04	7.5E+02	3.9E+02	8.0E+05	2.9E+05
Alachlor	---	---	8.2E+02	3.6E+03	---	1.9E-02	9.5E-03	1.9E+00	9.5E-01	---	---	---	---
Aldicarb	---	---	8.2E+01	3.6E+02	---	1.8E-02	8.9E-03	1.8E+00	8.9E-01	---	---	---	---
Aldicarb sulfone	---	---	8.2E+01	3.6E+02	---	1.4E-02	6.9E-03	1.4E+00	6.9E-01	---	---	---	---
Aldrin	---	---	2.5E+00	1.1E+01	8.4E-01	1.4E+00	7.0E-01	1.4E+02	7.0E+01	---	---	---	---
Allyl alcohol	2.7E+02	1.4E+02	4.1E+02	---	---	2.5E-01	1.3E-01	2.5E+01	1.3E+01	2.7E+02	1.4E+02	2.9E+04	1.9E+03
Allyl chloride	1.5E+01	7.9E+00	8.2E+02	---	---	1.0E+00	5.1E-01	1.0E+02	5.1E+01	1.5E+01	7.9E+00	3.8E+01	2.5E+00
Aluminum	1.0E+06	1.0E+06	8.2E+04	3.6E+05	1.0E+06	1.7E+05	8.6E+04	1.0E+06	1.0E+06	---	---	---	---
Ametryn	---	---	7.4E+02	3.2E+03	---	7.2E+00	3.6E+00	7.2E+02	3.6E+02	---	---	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	---	---	---	---	---	---	---	---	---	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	8.7E+01	4.5E+01	1.4E+01	5.9E+01	---	6.7E-02	3.3E-02	6.7E+00	3.3E+00	8.7E+01	4.5E+01	4.6E+04	3.0E+03
Amino-4,6-dinitrotoluene, 2-	1.1E+02	5.6E+01	1.4E+01	5.9E+01	---	9.9E-02	5.0E-02	9.9E+00	5.0E+00	1.1E+02	5.6E+01	6.8E+04	4.4E+03
Aminopyridine, 4-	3.3E+01	1.7E+01	1.6E+00	7.1E+00	---	9.5E-04	4.7E-04	9.5E-02	4.7E-02	3.3E+01	1.7E+01	9.1E+03	5.9E+02
Ammonia	1.5E+03	7.9E+02	---	---	---	---	---	---	---	1.5E+03	7.9E+02	5.7E+03	3.7E+02
Ammonium polyphosphate*	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	---	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	1.3E+02	6.7E+01	5.7E+02	2.5E+03	---	3.9E-01	2.0E-01	3.9E+01	2.0E+01	1.3E+02	6.7E+01	2.5E+04	1.6E+03
Anthracene	---	---	2.5E+04	8.2E+04	2.9E+05	6.9E+03	3.4E+03	6.9E+05	3.4E+05	---	---	---	---
Anthraquinone, 9,10-	---	---	1.6E+03	7.1E+03	---	2.4E+01	1.2E+01	2.4E+03	1.2E+03	---	---	---	---
Antimony	4.8E+05	2.5E+05	3.3E+01	2.1E+02	3.2E+01	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Aramite	---	---	4.1E+03	1.8E+04	8.9E+03	---	---	---	---	---	---	---	---
Arsenic	---	---	3.1E+01	3.6E+02	1.5E+02	5.0E+00	2.5E+00	5.0E+02	2.5E+02	---	---	---	---
Arsine	7.7E-01	3.9E-01	---	---	---	---	---	---	---	7.7E-01	3.9E-01	---	---
Asbestos	---	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	3.4E+03	1.7E+03	2.9E+03	1.2E+04	---	2.5E-02	1.2E-02	2.5E+00	1.2E+00	3.4E+03	1.7E+03	1.0E+06	9.8E+04
Azinphos-methyl (guthion)	---	---	1.2E+02	5.3E+02	---	4.4E-01	2.2E-01	4.4E+01	2.2E+01	---	---	---	---
Azobenzene	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	4.8E+05	2.5E+05	5.7E+03	1.7E+04	8.3E+03	4.4E+02	2.2E+02	4.4E+04	2.2E+04	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
>16-21 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>16-21 C_x >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	---	---	---	---	---	---	---	---	---	---	---
>7-8 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>8-10 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>10-12 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>12-16 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>16-21 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>21-35 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---

Footnotes

[1]For subsurface soils only

[2]Please contact the TNRCC for assistance in determining a site-specific approach for $^{GW}Soil_{Ing}$ values for these compounds.

[3]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

[4]These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

NA = not applicable

All values capped at 1E+06

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Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Trichloroethylene	2.1E+02	1.1E+02	5.5E+02	---	---	3.4E-02	1.7E-02	3.4E+00	1.7E+00	2.1E+02	1.1E+02	1.1E+03	7.1E+01
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloronate	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,3,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,3,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,3,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,4,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,4,6-	2.0E+03	1.0E+03	5.5E+02	1.9E+03	---	5.9E-01	3.0E-01	5.9E+01	3.0E+01	2.0E+03	1.0E+03	3.5E+05	2.3E+04
Trichlorophenol, 3,4,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenoxyacetic acid, 2,4,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloropropane, 1,1,2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloropropane, 1,2,3-	---	---	8.7E-01	---	---	2.3E-03	1.1E-03	2.3E-01	1.1E-01	---	---	---	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	---	---	---	---	---	---	---	---	---	---	---	---	---
Triethanolamine	---	---	---	---	---	---	---	---	---	---	---	---	---
Triethylamine	---	---	---	---	---	---	---	---	---	---	---	---	---
Triethylene glycol	---	---	---	---	---	---	---	---	---	---	---	---	---
Triethylphosphorothioate, O, O, O-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trifluralin	---	---	7.9E+02	2.7E+03	5.0E+02	6.5E+01	3.3E+01	6.5E+03	3.3E+03	---	---	---	---
Trimethylamine	---	---	---	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,3,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trinitrobenzene, 1,3,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	---	---	---	---	---	---	---	---	---	---	---	---	---
Trinitrotoluene, 2,4,6-	---	---	2.0E+02	6.9E+02	---	4.3E-01	2.1E-01	4.3E+01	2.1E+01	---	---	---	---
Uranium (soluble salts)	---	---	---	---	---	1.8E+03	8.9E+02	1.8E+05	8.9E+04	---	---	---	---
Valeric acid (pentanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---	---
Vernam	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	---	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	4.1E+01	2.1E+01	4.0E+00	---	---	2.2E-02	1.1E-02	2.2E+00	1.1E+00	4.1E+01	2.1E+01	4.0E+01	2.6E+00
Vinylcyclohexane	---	---	---	---	---	---	---	---	---	---	---	---	---
Warfarin	---	---	---	---	---	---	---	---	---	---	---	---	---
Xylene, m-	---	---	---	---	---	1.1E+02	5.3E+01	1.1E+04	5.3E+03	---	---	---	---
Xylene, o-	---	---	---	---	---	7.1E+01	3.5E+01	7.1E+03	3.5E+03	---	---	---	---
Xylene, p-	---	---	---	---	---	1.5E+02	7.5E+01	1.5E+04	7.5E+03	---	---	---	---
Xylenes	---	---	---	---	---	1.2E+02	6.1E+01	1.2E+04	6.1E+03	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---	---	---	---
6 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>6-8 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>8-10 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>10-12 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---
>12-16 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 6
Individual Tier 1 Soil PCLs
Residential

Chemical of Concern	Carcinogenic												
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{Veg}Soil_{Ing}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Tebuconazole	---	---	---	---	---	---	---	---	---	---	---	---	---
Tebuthiuron	---	---	---	---	---	---	---	---	---	---	---	---	---
Terbufos	---	---	---	---	---	---	---	---	---	---	---	---	---
Tert-amyl-methyl ether (TAME)	---	---	---	---	---	---	---	---	---	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorobenzene, 1,2,3,4-	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorobenzene, 1,2,3,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorobenzene, 1,2,4,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethane, 1,1,1,2-	9.1E+01	4.7E+01	2.3E+02	---	---	1.4E+00	7.1E-01	1.4E+02	7.1E+01	9.1E+01	4.7E+01	4.5E+03	2.9E+02
Tetrachloroethane, 1,1,2,2-	8.9E+00	4.6E+00	3.0E+01	---	---	2.3E-02	1.2E-02	2.3E+00	1.2E+00	8.9E+00	4.6E+00	2.2E+02	1.4E+01
Tetrachloroethylene (perchlorethylene)	6.2E+02	3.2E+02	1.2E+02	---	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	6.2E+02	3.2E+02	3.3E+03	2.1E+02
Tetrachlorophenol, 2,3,4,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenol, 2,3,4,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenol, 2,3,5,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetradifon	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetraethyl lead	---	---	---	---	---	---	---	---	---	---	---	---	---
Tetrahydrofuran	1.9E+02	9.7E+01	8.0E+02	---	---	2.5E-01	1.2E-01	2.5E+01	1.2E+01	1.9E+02	9.7E+01	4.6E+03	3.0E+02
Tetrahydropyran	2.0E+02	1.0E+02	8.0E+02	---	---	2.7E-01	1.4E-01	2.7E+01	1.4E+01	2.0E+02	1.0E+02	5.9E+03	3.8E+02
Thallium and compounds (as thallium chloride)	---	---	---	---	---	1.7E+00	8.7E-01	1.7E+02	8.7E+01	---	---	---	---
Thiofanox	---	---	---	---	---	---	---	---	---	---	---	---	---
Thionazin	---	---	---	---	---	---	---	---	---	---	---	---	---
Thiophanate-methyl	---	---	---	---	---	---	---	---	---	---	---	---	---
Thiram	---	---	---	---	---	---	---	---	---	---	---	---	---
Tin	---	---	---	---	---	---	---	---	---	---	---	---	---
Titanium	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	---	8.2E+00	4.1E+00	8.2E+02	4.1E+02	---	---	---	---
Toluenediamine, 2,4-	---	---	1.9E+00	6.5E+00	---	1.5E-02	7.6E-03	1.5E+00	7.6E-01	---	---	---	---
Toluenediamine, 2,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	---	---	---	---	---	---	---	---	---	---	---	---	---
Toluidine, o-	1.4E+02	7.1E+01	2.5E+01	8.7E+01	---	3.8E-02	1.9E-02	3.8E+00	1.9E+00	1.4E+02	7.1E+01	2.7E+04	1.7E+03
Toluidine, p-	---	---	3.2E+01	1.1E+02	---	1.4E-02	7.0E-03	1.4E+00	7.0E-01	---	---	---	---
Toxaphene	9.4E+02	4.8E+02	5.5E+00	1.9E+01	1.8E+00	1.2E+01	5.8E+00	1.2E+03	5.8E+02	9.6E+02	4.9E+02	1.0E+06	4.4E+05
TP Silvex, 2,4,5-	---	---	---	---	---	5.3E+00	2.6E+00	5.3E+02	2.6E+02	---	---	---	---
Triademenol	---	---	---	---	---	---	---	---	---	---	---	---	---
Triallate	---	---	---	---	---	---	---	---	---	---	---	---	---
Triaminotrinitrobenzene (TATB)	---	---	2.0E+02	6.9E+02	---	6.4E-02	3.2E-02	6.4E+00	3.2E+00	---	---	---	---
Tributyltin oxide	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzene, 1,2,3-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzene, 1,2,4-	---	---	---	---	---	4.8E+00	2.4E+00	4.8E+02	2.4E+02	---	---	---	---
Trichlorobenzene, 1,3,5-	---	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethane, 1,1,1-	---	---	---	---	---	1.6E+00	8.1E-01	1.6E+02	8.1E+01	---	---	---	---
Trichloroethane, 1,1,2-	2.2E+01	1.2E+01	1.1E+02	---	---	2.0E-02	1.0E-02	2.0E+00	1.0E+00	2.2E+01	1.2E+01	3.2E+02	2.1E+01

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Tetraethyl lead	2.7E+00	1.4E+00	1.0E-01	2.0E-01	1.5E-03	7.5E-04	1.5E-01	7.5E-02	2.8E+00	1.4E+00	2.2E+02	1.4E+01
Tetrahydrofuran	6.4E+03	3.3E+03	2.0E+05	---	3.0E+01	1.5E+01	3.0E+03	1.5E+03	6.4E+03	3.3E+03	1.6E+05	1.0E+04
Tetrahydropyran	---	---	2.0E+05	---	3.3E+01	1.7E+01	3.3E+03	1.7E+03	---	---	---	---
Thallium and compounds (as thallium chloride)	1.4E+05	7.0E+04	8.2E+01	1.6E+03	1.7E+00	8.7E-01	1.7E+02	8.7E+01	---	---	---	---
Thiofanox	4.5E+02	2.3E+02	3.1E+02	6.1E+02	9.4E-02	4.7E-02	9.4E+00	4.7E+00	4.5E+02	2.3E+02	1.5E+05	9.5E+03
Thionazin	---	---	7.2E+01	1.4E+02	3.3E-02	1.7E-02	3.3E+00	1.7E+00	---	---	---	---
Thiophanate-methyl	---	---	8.2E+04	1.6E+05	1.3E+01	6.6E+00	1.3E+03	6.6E+02	---	---	---	---
Thiram	1.8E+03	9.1E+02	5.1E+03	1.0E+04	1.0E+01	5.2E+00	1.0E+03	5.2E+02	1.8E+03	9.1E+02	1.0E+06	8.3E+04
Tin	1.0E+06	1.0E+06	6.1E+05	1.0E+06	1.1E+05	5.5E+04	1.0E+06	1.0E+06	---	---	---	---
Titanium	---	---	1.0E+06	1.0E+06	---	---	---	---	---	---	---	---
Toluene	8.6E+03	4.4E+03	2.0E+05	---	8.2E+00	4.1E+00	8.2E+02	4.1E+02	8.6E+03	4.4E+03	7.1E+04	4.6E+03
Toluenediamine, 2,4-	1.1E+04	5.6E+03	---	---	---	---	---	---	1.1E+04	5.6E+03	1.0E+06	6.2E+05
Toluenediamine, 2,6-	---	---	2.0E+05	4.1E+05	2.9E+01	1.4E+01	2.9E+03	1.4E+03	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	2.0E+02	1.0E+02	---	---	---	---	---	---	2.0E+02	1.0E+02	2.4E+05	1.5E+04
Toluidine, o-	---	---	---	---	---	---	---	---	---	---	---	---
Toluidine, p-	---	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	---	---	---	---	1.2E+01	5.8E+00	1.2E+03	5.8E+02	---	---	---	---
TP Silvex, 2,4,5-	3.6E+04	1.9E+04	8.2E+03	1.6E+04	5.3E+00	2.6E+00	5.3E+02	2.6E+02	3.6E+04	1.9E+04	1.0E+06	1.0E+06
Triademenol	---	---	3.1E+04	6.1E+04	2.5E+01	1.2E+01	2.5E+03	1.2E+03	---	---	---	---
Triallate	---	---	1.3E+04	2.7E+04	5.6E+01	2.8E+01	5.6E+03	2.8E+03	---	---	---	---
Triaminotrinitrobenzene (TATB)	5.4E+02	2.8E+02	3.1E+03	6.1E+03	4.6E-01	2.3E-01	4.6E+01	2.3E+01	5.4E+02	2.8E+02	1.0E+06	5.4E+05
Tributyltin oxide	1.1E+00	5.5E-01	3.1E+02	6.1E+02	---	---	---	---	1.1E+00	5.5E-01	---	---
Trichlorobenzene, 1,2,3-	8.5E+03	4.4E+03	3.1E+03	6.1E+03	7.9E+01	3.9E+01	7.9E+03	3.9E+03	8.5E+03	4.4E+03	1.0E+06	8.7E+04
Trichlorobenzene, 1,2,4-	2.1E+04	1.1E+04	1.0E+04	2.0E+04	4.8E+00	2.4E+00	4.8E+02	2.4E+02	2.1E+04	1.1E+04	1.0E+06	9.7E+04
Trichlorobenzene, 1,3,5-	3.5E+03	1.8E+03	3.1E+03	6.1E+03	2.2E+01	1.1E+01	2.2E+03	1.1E+03	3.5E+03	1.8E+03	2.9E+05	1.9E+04
Trichloroethane, 1,1,1-	2.1E+04	1.1E+04	2.0E+05	---	1.6E+00	8.1E-01	1.6E+02	8.1E+01	2.1E+04	1.1E+04	9.0E+04	5.8E+03
Trichloroethane, 1,1,2-	---	---	4.1E+03	---	2.0E-02	1.0E-02	2.0E+00	1.0E+00	---	---	---	---
Trichloroethylene	---	---	6.1E+03	---	3.4E-02	1.7E-02	3.4E+00	1.7E+00	---	---	---	---
Trichlorofluoromethane	6.0E+04	3.1E+04	3.1E+05	---	3.8E+02	1.9E+02	3.8E+04	1.9E+04	6.0E+04	3.1E+04	1.0E+05	6.4E+03
Trichloronate	---	---	3.1E+03	6.1E+03	3.7E+02	1.8E+02	3.7E+04	1.8E+04	---	---	---	---
Trichlorophenol, 2,3,4-	6.2E+04	3.2E+04	1.0E+05	2.0E+05	1.8E+02	8.9E+01	1.8E+04	8.9E+03	6.2E+04	3.2E+04	1.0E+06	1.0E+06
Trichlorophenol, 2,3,5-	4.1E+04	2.1E+04	1.0E+05	2.0E+05	8.3E+01	4.1E+01	8.3E+03	4.1E+03	4.1E+04	2.1E+04	1.0E+06	1.0E+06
Trichlorophenol, 2,3,6-	3.3E+03	1.7E+03	1.0E+05	2.0E+05	8.6E+01	4.3E+01	8.6E+03	4.3E+03	3.3E+03	1.7E+03	1.4E+05	8.9E+03
Trichlorophenol, 2,4,5-	3.0E+04	1.5E+04	1.0E+05	2.0E+05	1.0E+02	5.1E+01	1.0E+04	5.1E+03	3.0E+04	1.5E+04	1.0E+06	5.7E+05
Trichlorophenol, 2,4,6-	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 3,4,5-	1.5E+05	7.9E+04	1.0E+05	2.0E+05	9.8E+02	4.9E+02	9.8E+04	4.9E+04	1.5E+05	7.9E+04	1.0E+06	1.0E+06
Trichlorophenoxyacetic acid, 2,4,5-	4.9E+03	2.5E+03	1.0E+04	2.0E+04	2.9E+00	1.5E+00	2.9E+02	1.5E+02	4.9E+03	2.5E+03	1.0E+06	9.3E+04
Trichloropropane, 1,1,2-	1.3E+03	6.6E+02	5.1E+03	---	4.3E+00	2.2E+00	4.3E+02	2.2E+02	1.3E+03	6.6E+02	8.9E+03	5.8E+02
Trichloropropane, 1,2,3-	3.9E+03	2.0E+03	6.1E+03	---	7.7E+00	3.8E+00	7.7E+02	3.8E+02	3.9E+03	2.0E+03	1.6E+05	1.0E+04
Trichloro-1,2,2-trifluoroethane, 1,1,2-	6.4E+05	3.3E+05	1.0E+06	---	2.4E+05	1.2E+05	1.0E+06	1.0E+06	6.4E+05	3.3E+05	1.0E+06	9.0E+04
Triethanolamine	1.1E+03	5.5E+02	2.0E+05	4.1E+05	2.8E+01	1.4E+01	2.8E+03	1.4E+03	1.1E+03	5.5E+02	1.0E+06	1.0E+06
Triethylamine	1.5E+02	7.7E+01	---	---	---	---	---	---	1.5E+02	7.7E+01	2.2E+03	1.4E+02
Triethylene glycol	---	---	1.0E+06	1.0E+06	4.2E+02	2.1E+02	4.2E+04	2.1E+04	---	---	---	---
Triethylphosphorothioate, O, O, O-	---	---	8.5E+00	1.7E+01	1.3E-02	6.5E-03	1.3E+00	6.5E-01	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Propham	---	---	2.0E+04	4.1E+04	5.8E+00	2.9E+00	5.8E+02	2.9E+02	---	---	---	---
Propionitrile (propane nitrile)	3.8E+02	2.0E+02	4.1E+02	---	5.8E-02	2.9E-02	5.8E+00	2.9E+00	3.8E+02	2.0E+02	2.1E+04	1.4E+03
Propyl acetate, n-	---	---	9.2E+04	---	1.6E+01	7.9E+00	1.6E+03	7.9E+02	---	---	---	---
Propylbenzene, n-	8.9E+03	4.6E+03	4.1E+04	---	1.3E+02	6.7E+01	1.3E+04	6.7E+03	8.9E+03	4.6E+03	3.9E+05	2.5E+04
Propylene glycol	2.7E+04	1.4E+04	1.0E+06	1.0E+06	2.8E+03	1.4E+03	2.8E+05	1.4E+05	2.7E+04	1.4E+04	1.0E+06	4.5E+05
Propylene glycol monomethyl ether	3.2E+05	1.7E+05	7.2E+05	---	9.9E+01	5.0E+01	9.9E+03	5.0E+03	3.2E+05	1.7E+05	1.0E+06	1.0E+06
Propylene oxide	6.4E+02	3.3E+02	---	---	---	---	---	---	6.4E+02	3.3E+02	2.1E+04	1.3E+03
Propylene tetramer	2.1E+04	1.1E+04	1.0E+05	2.0E+05	7.6E+04	3.8E+04	1.0E+06	1.0E+06	2.1E+04	1.1E+04	6.4E+05	4.1E+04
Pyrene	---	---	3.1E+04	4.7E+04	3.3E+03	1.7E+03	3.3E+05	1.7E+05	---	---	---	---
Pyridine	3.2E+02	1.7E+02	1.0E+03	---	2.1E-01	1.0E-01	2.1E+01	1.0E+01	3.2E+02	1.7E+02	8.8E+02	5.7E+01
Quinoline	4.2E+02	2.2E+02	---	---	---	---	---	---	4.2E+02	2.2E+02	1.5E+05	9.6E+03
Ronnel	---	---	5.1E+04	1.0E+05	1.2E+03	6.2E+02	1.2E+05	6.2E+04	---	---	---	---
Safrole	---	---	---	---	---	---	---	---	---	---	---	---
Selenium	2.7E+05	1.4E+05	5.1E+03	1.0E+05	2.3E+00	1.1E+00	2.3E+02	1.1E+02	---	---	---	---
Selenourea	---	---	5.1E+03	---	---	---	---	---	---	---	---	---
Silver	1.4E+04	7.0E+03	5.1E+03	4.1E+03	1.4E+00	7.1E-01	1.4E+02	7.1E+01	---	---	---	---
Simazine	---	---	5.1E+03	1.0E+04	5.5E-02	2.8E-02	5.5E+00	2.8E+00	---	---	---	---
Sodium*	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	---	---	3.1E+04	---	---	---	---	---	---	---	---	---
Sodium polyacrylate	1.7E+02	8.7E+01	5.1E+05	---	7.2E+01	3.6E+01	7.2E+03	3.6E+03	1.7E+02	8.7E+01	4.1E+04	2.7E+03
Strontium	---	---	6.1E+05	1.0E+06	1.8E+03	9.2E+02	1.8E+05	9.2E+04	---	---	---	---
Strychnine	---	---	3.1E+02	6.1E+02	1.1E-01	5.6E-02	1.1E+01	5.6E+00	---	---	---	---
Styrene	3.4E+04	1.7E+04	2.0E+05	---	3.3E+00	1.6E+00	3.3E+02	1.6E+02	3.4E+04	1.7E+04	1.0E+06	9.5E+04
Sulfate*	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	---	---	2.0E+01	4.1E+01	2.8E-03	1.4E-03	2.8E-01	1.4E-01	---	---	---	---
Sulfur*	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	NA	NA	---	NA	1.7E-02	8.5E-03	1.7E+00	8.5E-01	---	---	---	---
Tebuconazole	---	---	3.1E+04	6.1E+04	9.4E+01	4.7E+01	9.4E+03	4.7E+03	---	---	---	---
Tebuthiuron	---	---	7.2E+04	1.4E+05	1.6E+01	8.1E+00	1.6E+03	8.1E+02	---	---	---	---
Terbufos	---	---	2.6E+01	5.1E+01	1.0E+00	5.0E-01	1.0E+02	5.0E+01	---	---	---	---
Tert-amyl-methyl ether (TAME)	---	---	4.1E+04	---	1.1E+01	5.7E+00	1.1E+03	5.7E+02	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	8.2E+03	4.2E+03	9.2E+04	---	1.4E+01	6.9E+00	1.4E+03	6.9E+02	8.2E+03	4.2E+03	3.1E+05	2.0E+04
Tetrachlorobenzene, 1,2,3,4-	1.8E+05	9.5E+04	3.1E+02	6.1E+02	3.6E+01	1.8E+01	3.6E+03	1.8E+03	1.8E+05	9.5E+04	1.0E+06	1.0E+06
Tetrachlorobenzene, 1,2,3,5-	8.2E+04	4.2E+04	3.1E+02	6.1E+02	5.6E+00	2.8E+00	5.6E+02	2.8E+02	8.2E+04	4.2E+04	1.0E+06	7.7E+05
Tetrachlorobenzene, 1,2,4,5-	4.7E+04	2.4E+04	3.1E+02	6.1E+02	1.4E+00	7.2E-01	1.4E+02	7.2E+01	4.7E+04	2.4E+04	1.0E+06	2.3E+05
Tetrachloroethane, 1,1,1,2-	---	---	3.1E+04	---	8.8E+01	4.4E+01	8.8E+03	4.4E+03	---	---	---	---
Tetrachloroethane, 1,1,2,2-	---	---	4.1E+04	---	1.5E+01	7.4E+00	1.5E+03	7.4E+02	---	---	---	---
Tetrachloroethylene (perchlorethylene)	5.8E+03	3.0E+03	1.0E+04	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	5.8E+03	3.0E+03	3.1E+04	2.0E+03
Tetrachlorophenol, 2,3,4,5-	9.4E+03	4.8E+03	3.1E+04	6.1E+04	4.4E+01	2.2E+01	4.4E+03	2.2E+03	9.4E+03	4.8E+03	1.0E+06	3.4E+05
Tetrachlorophenol, 2,3,4,6-	2.8E+03	1.5E+03	3.1E+04	6.1E+04	1.3E+01	6.7E+00	1.3E+03	6.7E+02	2.8E+03	1.5E+03	5.9E+05	3.8E+04
Tetrachlorophenol, 2,3,5,6-	2.6E+02	1.3E+02	3.1E+04	6.1E+04	6.5E+00	3.2E+00	6.5E+02	3.2E+02	2.6E+02	1.3E+02	8.4E+03	5.4E+02
Tetradifon	---	---	2.0E+04	4.1E+04	2.6E+02	1.3E+02	2.6E+04	1.3E+04	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	2.7E+02	1.4E+02	5.1E+02	1.0E+03	1.2E+00	5.8E-01	1.2E+02	5.8E+01	2.7E+02	1.4E+02	1.5E+05	9.8E+03

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Pebulate	---	---	5.1E+04	1.0E+05	7.0E+01	3.5E+01	7.0E+03	3.5E+03	---	---	---	---
Pendimethalin	---	---	4.1E+04	8.2E+04	2.2E+04	1.1E+04	1.0E+06	1.0E+06	---	---	---	---
Pentachlorobenzene	4.2E+04	2.2E+04	8.2E+02	1.6E+03	7.4E+01	3.7E+01	7.4E+03	3.7E+03	4.2E+04	2.2E+04	1.0E+06	8.9E+05
Pentachloroethane	---	---	3.1E+04	---	2.1E+01	1.0E+01	2.1E+03	1.0E+03	---	---	---	---
Pentachloronitrobenzene	3.1E+02	1.6E+02	3.1E+03	6.1E+03	1.1E+02	5.7E+01	1.1E+04	5.7E+03	3.1E+02	1.6E+02	9.0E+04	5.8E+03
Pentachlorophenol	6.3E+02	3.3E+02	3.1E+04	2.5E+04	1.8E-02	9.2E-03	1.8E+00	9.2E-01	6.3E+02	3.3E+02	3.4E+05	2.2E+04
Pentadiene, 1,3-trans-	3.9E+05	2.0E+05	6.1E+04	---	3.9E+01	1.9E+01	3.9E+03	1.9E+03	3.9E+05	2.0E+05	9.3E+05	6.0E+04
Pentaerythritol tetranitrate (PETN)	---	---	4.1E+05	8.2E+05	7.4E+03	3.7E+03	7.4E+05	3.7E+05	---	---	---	---
Pentane	7.5E+03	3.9E+03	7.2E+05	---	1.2E+04	6.0E+03	1.0E+06	6.0E+05	7.5E+03	3.9E+03	1.6E+03	1.1E+02
Pentanediol, 1,5-	1.0E+06	1.0E+06	1.0E+06	1.0E+06	7.2E+02	3.6E+02	7.2E+04	3.6E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Pentanone, 2-	1.7E+04	8.9E+03	4.1E+04	---	6.6E+00	3.3E+00	6.6E+02	3.3E+02	1.7E+04	8.9E+03	7.1E+05	4.6E+04
Pentyne, 1-	3.9E+05	2.0E+05	6.1E+04	---	3.8E+01	1.9E+01	3.8E+03	1.9E+03	3.9E+05	2.0E+05	8.7E+05	5.6E+04
Perchlorate	---	---	1.0E+02	4.1E+02	6.0E-02	3.0E-02	6.0E+00	3.0E+00	---	---	---	---
Perylene	---	---	2.0E+04	4.1E+04	2.3E+05	1.1E+05	1.0E+06	1.0E+06	---	---	---	---
Phenacetin	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene	---	---	3.1E+04	4.7E+04	1.2E+03	6.2E+02	1.2E+05	6.2E+04	---	---	---	---
Phenanthridine	---	---	3.1E+03	6.1E+03	1.6E+01	7.9E+00	1.6E+03	7.9E+02	---	---	---	---
Phenol	4.7E+03	2.4E+03	3.1E+05	6.1E+05	5.7E+01	2.9E+01	5.7E+03	2.9E+03	4.7E+03	2.4E+03	1.0E+06	6.5E+04
Phenylene diamine, m-	2.0E+01	1.0E+01	6.1E+03	1.2E+04	8.6E-01	4.3E-01	8.6E+01	4.3E+01	2.0E+01	1.0E+01	5.6E+03	3.6E+02
Phenylene diamine, p-	2.1E+01	1.1E+01	1.9E+05	3.9E+05	2.7E+01	1.4E+01	2.7E+03	1.4E+03	2.1E+01	1.1E+01	6.3E+03	4.1E+02
Phenyl mercuric acetate	---	---	8.2E+01	1.6E+02	4.9E-02	2.4E-02	4.9E+00	2.4E+00	---	---	---	---
Phorate	6.1E+01	3.2E+01	2.0E+02	4.1E+02	3.2E+00	1.6E+00	3.2E+02	1.6E+02	6.1E+01	3.2E+01	3.0E+04	2.0E+03
Phosalone	---	---	2.0E+03	4.1E+03	7.0E+00	3.5E+00	7.0E+02	3.5E+02	---	---	---	---
Phosdrin (mevinphos)	---	---	2.6E+01	5.1E+01	3.5E-03	1.8E-03	3.5E-01	1.8E-01	---	---	---	---
Phosmet	1.9E+03	1.0E+03	2.0E+04	4.1E+04	1.2E+01	6.1E+00	1.2E+03	6.1E+02	1.9E+03	1.0E+03	8.9E+05	5.8E+04
Phosphine	6.4E+00	3.3E+00	3.1E+02	1.2E+03	---	---	---	---	6.4E+00	3.3E+00	---	---
Phosphorus, total*	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	2.1E+00	1.1E+00	2.0E+01	8.2E+01	6.9E-02	3.4E-02	6.9E+00	3.4E+00	2.1E+00	1.1E+00	---	---
Phthalic anhydride	7.0E+04	3.6E+04	1.0E+06	1.0E+06	7.4E+02	3.7E+02	7.4E+04	3.7E+04	7.0E+04	3.6E+04	1.0E+06	1.0E+06
Picloram	---	---	7.2E+04	1.4E+05	9.8E-01	4.9E-01	9.8E+01	4.9E+01	---	---	---	---
Picoline, 2- (2-methylpyridine)	2.4E+01	1.2E+01	9.2E+03	---	1.7E+00	8.4E-01	1.7E+02	8.4E+01	2.4E+01	1.2E+01	1.7E+03	1.1E+02
Polybrominated biphenyls (PBBs)	---	---	7.2E+00	1.4E+01	4.5E-02	2.2E-02	4.5E+00	2.2E+00	---	---	---	---
Polychlorinated biphenyls (PCBs)	---	---	2.0E+01	2.9E+01	1.1E+01	5.3E+00	1.1E+03	5.3E+02	---	---	---	---
Potassium*	---	---	---	---	---	---	---	---	---	---	---	---
Primene	2.6E+03	1.3E+03	6.1E+03	1.2E+04	1.6E+02	8.1E+01	1.6E+04	8.1E+03	2.6E+03	1.3E+03	4.4E+05	2.8E+04
Prometon (pramitol)	---	---	1.5E+04	3.1E+04	2.9E+01	1.4E+01	2.9E+03	1.4E+03	---	---	---	---
Pronamide	---	---	7.7E+04	1.5E+05	5.4E+01	2.7E+01	5.4E+03	2.7E+03	---	---	---	---
Propanal (propionaldehyde)	3.9E+03	2.0E+03	8.2E+03	---	1.2E+00	5.9E-01	1.2E+02	5.9E+01	3.9E+03	2.0E+03	1.0E+05	6.7E+03
Propanil	---	---	5.1E+03	1.0E+04	1.4E+01	6.9E+00	1.4E+03	6.9E+02	---	---	---	---
Propanoic acid (propionic acid)	1.6E+02	8.2E+01	5.1E+05	---	7.0E+01	3.5E+01	7.0E+03	3.5E+03	1.6E+02	8.2E+01	4.0E+04	2.6E+03
Propanol, 1-	3.1E+04	1.6E+04	2.0E+05	---	3.0E+01	1.5E+01	3.0E+03	1.5E+03	3.1E+04	1.6E+04	1.0E+06	1.6E+05
Propargite	---	---	2.0E+04	4.1E+04	3.3E+02	1.6E+02	3.3E+04	1.6E+04	---	---	---	---
Propargyl alcohol	4.1E+02	2.1E+02	2.0E+03	---	3.1E-01	1.6E-01	3.1E+01	1.6E+01	4.1E+02	2.1E+02	8.9E+04	5.7E+03
Propazine	---	---	2.0E+04	4.1E+04	6.8E+01	3.4E+01	6.8E+03	3.4E+03	---	---	---	---

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Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Naled	3.6E+02	1.8E+02	2.0E+03	4.1E+03	1.1E+00	5.3E-01	1.1E+02	5.3E+01	3.6E+02	1.8E+02	2.2E+04	1.4E+03
Naphthalene	3.7E+02	1.9E+02	2.0E+04	3.1E+04	9.3E+01	4.7E+01	9.3E+03	4.7E+03	3.7E+02	1.9E+02	2.8E+04	1.8E+03
Naphthoquinone, 1,4-	2.7E+01	1.4E+01	7.2E+03	1.4E+04	1.4E+00	6.9E-01	1.4E+02	6.9E+01	2.7E+01	1.4E+01	6.1E+03	4.0E+02
Naphthylamine, 1-	---	---	2.0E+04	4.1E+04	2.8E+01	1.4E+01	2.8E+03	1.4E+03	---	---	---	---
Naphthylamine, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Napropamide	---	---	1.0E+05	2.0E+05	1.6E+03	8.2E+02	1.6E+05	8.2E+04	---	---	---	---
Neopentyl glycol	---	---	3.1E+05	6.1E+05	4.4E+01	2.2E+01	4.4E+03	2.2E+03	---	---	---	---
Nickel and compounds	1.2E+05	6.3E+04	2.0E+04	1.6E+04	4.7E+02	2.3E+02	4.7E+04	2.3E+04	---	---	---	---
Nitrate	---	---	1.0E+06	1.0E+06	1.9E+01	9.6E+00	1.9E+03	9.6E+02	---	---	---	---
Nitrite	---	---	1.0E+05	1.0E+06	---	---	---	---	---	---	---	---
Nitroaniline, 2-	6.7E+01	3.4E+01	3.1E+02	6.1E+02	6.6E-02	3.3E-02	6.6E+00	3.3E+00	6.7E+01	3.4E+01	1.7E+04	1.1E+03
Nitroaniline, 3-	1.3E+03	6.4E+02	3.1E+02	6.1E+02	7.6E-02	3.8E-02	7.6E+00	3.8E+00	1.3E+03	6.4E+02	3.5E+05	2.3E+04
Nitroaniline, 4-	8.4E+02	4.3E+02	3.1E+03	6.1E+03	5.2E-01	2.6E-01	5.2E+01	2.6E+01	8.4E+02	4.3E+02	2.4E+05	1.5E+04
Nitrobenzene	7.9E+02	4.1E+02	5.1E+02	1.0E+03	2.6E-01	1.3E-01	2.6E+01	1.3E+01	7.9E+02	4.1E+02	6.2E+04	4.0E+03
Nitroglycerin	---	---	7.2E+01	1.4E+02	2.9E-02	1.4E-02	2.9E+00	1.4E+00	---	---	---	---
Nitrophenol, 2-	1.1E+03	5.8E+02	2.0E+03	4.1E+03	4.0E-01	2.0E-01	4.0E+01	2.0E+01	1.1E+03	5.8E+02	2.6E+05	1.7E+04
Nitrophenol, 3-	2.1E+03	1.1E+03	2.0E+03	4.1E+03	6.8E-01	3.4E-01	6.8E+01	3.4E+01	2.1E+03	1.1E+03	1.0E+06	7.6E+05
Nitrophenol, 4-	2.3E+02	1.2E+02	2.0E+03	4.1E+03	3.0E-01	1.5E-01	3.0E+01	1.5E+01	2.3E+02	1.2E+02	6.8E+04	4.4E+03
Nitropropane, 2-	4.3E+02	2.2E+02	---	---	---	---	---	---	4.3E+02	2.2E+02	1.2E+04	7.5E+02
Nitroquinoline-N-oxide, 4-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodiethanolamine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodiethylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodimethylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodi-n-butylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodi-n-propylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosodiphenylamine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosomorpholine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitroso-N-ethylurea, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosopiperidine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrosopyrrolidine, N-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrotoluene, m-	1.2E+03	6.3E+02	1.0E+04	2.0E+04	5.5E+00	2.8E+00	5.5E+02	2.8E+02	1.2E+03	6.3E+02	7.0E+04	4.5E+03
Nitrotoluene, o-	1.3E+03	6.8E+02	1.0E+04	2.0E+04	5.5E+00	2.8E+00	5.5E+02	2.8E+02	1.3E+03	6.8E+02	8.2E+04	5.3E+03
Nitrotoluene, p-	1.2E+03	6.2E+02	1.0E+04	2.0E+04	5.5E+00	2.8E+00	5.5E+02	2.8E+02	1.2E+03	6.2E+02	6.9E+04	4.4E+03
Nonachlor, cis-	5.2E+03	2.7E+03	5.1E+02	1.0E+03	1.8E+02	8.8E+01	1.8E+04	8.8E+03	5.2E+03	2.7E+03	1.0E+06	1.0E+06
Nonachlor, trans-	5.2E+03	2.7E+03	5.1E+02	1.0E+03	1.8E+02	8.8E+01	1.8E+04	8.8E+03	5.2E+03	2.7E+03	1.0E+06	1.0E+06
Nonanal	---	---	2.0E+05	4.1E+05	4.4E+02	2.2E+02	4.4E+04	2.2E+04	---	---	---	---
Nonylphenol	1.0E+06	1.0E+06	5.1E+04	1.0E+05	4.4E+05	2.2E+05	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Octamethylpyrophosphoramide	---	---	2.0E+03	4.1E+03	2.8E-01	1.4E-01	2.8E+01	1.4E+01	---	---	---	---
Octanone	1.0E+06	6.5E+05	6.1E+04	---	3.3E+01	1.6E+01	3.3E+03	1.6E+03	1.0E+06	6.5E+05	1.0E+06	1.0E+06
Oxamyl	---	---	2.6E+04	5.1E+04	4.2E-01	2.1E-01	4.2E+01	2.1E+01	---	---	---	---
Oxychlordane	5.2E+03	2.7E+03	5.1E+02	1.0E+03	1.8E+02	8.8E+01	1.8E+04	8.8E+03	5.2E+03	2.7E+03	1.0E+06	1.0E+06
Paraquat	---	---	4.6E+03	9.2E+03	6.3E-01	3.1E-01	6.3E+01	3.1E+01	---	---	---	---
Parathion (ethyl parathion)	2.5E+02	1.3E+02	6.1E+03	1.2E+04	9.9E+01	4.9E+01	9.9E+03	4.9E+03	2.5E+02	1.3E+02	4.8E+05	3.1E+04

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Mercury[3]	6.4E+00	3.3E+00	3.1E+02	4.3E+02	7.8E-03	3.9E-03	7.8E-01	3.9E-01	6.4E+00	3.3E+00	4.0E+01	2.6E+00
Methacrylic acid (2-methyl-2-propenoic acid)	3.8E+03	2.0E+03	1.0E+04	---	1.4E+00	7.0E-01	1.4E+02	7.0E+01	3.8E+03	2.0E+03	3.3E+05	2.1E+04
Methacrylonitrile	7.4E+01	3.8E+01	1.0E+02	---	1.5E-02	7.5E-03	1.5E+00	7.5E-01	7.4E+01	3.8E+01	2.9E+03	1.9E+02
Methanol	1.7E+04	8.6E+03	5.1E+05	---	7.0E+01	3.5E+01	7.0E+03	3.5E+03	1.7E+04	8.6E+03	1.0E+06	1.1E+05
Methapyrilene	1.3E+02	6.5E+01	---	---	---	---	---	---	1.3E+02	6.5E+01	4.4E+04	2.8E+03
Methomyl	2.1E+03	1.1E+03	2.6E+04	5.1E+04	1.5E+01	7.6E+00	1.5E+03	7.6E+02	2.1E+03	1.1E+03	8.3E+05	5.5E+04
Methoxychlor	4.3E+04	2.2E+04	5.1E+03	1.0E+04	1.2E+02	6.2E+01	1.2E+04	6.2E+03	4.4E+04	2.2E+04	1.0E+06	1.0E+06
Methoxyethanol, 2-	4.3E+02	2.2E+02	---	---	---	---	---	---	4.3E+02	2.2E+02	6.2E+02	4.0E+01
Methyl acetate (acetic acid, methyl ester)	1.3E+04	6.6E+03	1.0E+06	---	1.5E+02	7.3E+01	1.5E+04	7.3E+03	1.3E+04	6.6E+03	3.7E+05	2.4E+04
Methyl acrylate	1.5E+02	7.7E+01	2.0E+03	---	3.1E-01	1.5E-01	3.1E+01	1.5E+01	1.5E+02	7.7E+01	2.8E+03	1.8E+02
Methyl amyl ketone (2-heptanone)	1.3E+04	6.6E+03	5.1E+04	---	1.4E+01	7.1E+00	1.4E+03	7.1E+02	1.3E+04	6.6E+03	4.9E+05	3.2E+04
Methyl-1-butene, 2-	3.9E+05	2.0E+05	6.1E+04	---	1.9E+02	9.7E+01	1.9E+04	9.7E+03	3.9E+05	2.0E+05	4.8E+05	3.1E+04
Methyl-2-butene, 2-	3.9E+05	2.0E+05	6.1E+04	---	1.2E+02	5.8E+01	1.2E+04	5.8E+03	3.9E+05	2.0E+05	5.5E+05	3.6E+04
Methylcholanthrene, 3-	---	---	---	---	---	---	---	---	---	---	---	---
Methyl chrysene, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Methyl chrysene, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Methyl chrysene, 6-	---	---	---	---	---	---	---	---	---	---	---	---
Methyl cyclohexane	6.4E+04	3.3E+04	1.0E+06	---	4.6E+04	2.3E+04	1.0E+06	1.0E+06	6.4E+04	3.3E+04	2.5E+05	1.6E+04
Methylene-bis (2-chloroaniline) 4,4'-	---	---	7.2E+02	1.4E+03	1.6E+01	8.1E+00	1.6E+03	8.1E+02	---	---	---	---
Methylene bromide (dibromomethane)	3.8E+02	1.9E+02	6.1E+04	---	4.1E+01	2.0E+01	4.1E+03	2.0E+03	3.8E+02	1.9E+02	1.0E+04	6.6E+02
Methylene chloride (dichloromethane)	6.4E+04	3.3E+04	6.1E+04	---	1.3E-02	6.5E-03	1.3E+00	6.5E-01	6.4E+04	3.3E+04	2.8E+05	1.8E+04
Methyl ethyl ketone (2-butanone)	1.6E+05	8.2E+04	6.1E+05	---	8.7E+01	4.4E+01	8.7E+03	4.4E+03	1.6E+05	8.2E+04	1.0E+06	4.9E+05
Methyl iodide (iodomethane)	2.6E+02	1.3E+02	1.4E+03	---	3.4E-01	1.7E-01	3.4E+01	1.7E+01	2.6E+02	1.3E+02	7.9E+02	5.1E+01
Methyl isobutyl ketone (4-methyl-2-pentanone)	8.1E+04	4.2E+04	8.2E+04	---	1.5E+01	7.4E+00	1.5E+03	7.4E+02	8.1E+04	4.2E+04	1.0E+06	1.5E+05
Methyl mercury	---	---	1.0E+02	2.0E+03	---	---	---	---	---	---	---	---
Methylmecury hydroxide	1.6E+00	8.4E-01	1.0E+02	2.0E+02	1.4E-02	7.1E-03	1.4E+00	7.1E-01	1.6E+00	8.4E-01	4.0E+02	2.8E+01
Methyl methacrylate	1.5E+04	7.7E+03	1.0E+06	---	2.9E+02	1.5E+02	2.9E+04	1.5E+04	1.5E+04	7.7E+03	3.2E+05	2.0E+04
Methyl methanesulfonate	---	---	---	---	---	---	---	---	---	---	---	---
Methylnaphthalene, 1-	---	---	7.2E+04	1.1E+05	4.8E+02	2.4E+02	4.8E+04	2.4E+04	---	---	---	---
Methylnaphthalene, 2-	---	---	4.1E+03	6.3E+03	5.1E+01	2.5E+01	5.1E+03	2.5E+03	---	---	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	---	---	---	---	---	---	---	---	---	---	---	---
Methyl parathion	2.9E+02	1.5E+02	2.6E+02	5.1E+02	5.1E-01	2.5E-01	5.1E+01	2.5E+01	2.9E+02	1.5E+02	1.7E+05	1.1E+04
Methyl-2-pentenal, 2-	1.3E+02	6.8E+01	---	---	---	---	---	---	1.3E+02	6.8E+01	3.1E+03	2.0E+02
Methyl-1-propanal, 2- (isobutyraldehyde)	6.2E+03	3.2E+03	4.1E+04	---	6.2E+00	3.1E+00	6.2E+02	3.1E+02	6.2E+03	3.2E+03	1.3E+05	8.6E+03
Methylpyrrolidone, N-	1.6E+04	8.4E+03	2.0E+04	4.1E+04	2.9E+00	1.4E+00	2.9E+02	1.4E+02	1.6E+04	8.4E+03	1.0E+06	3.2E+05
Methyltetrahydrofuran, 2-	---	---	2.0E+05	---	3.3E+01	1.7E+01	3.3E+03	1.7E+03	---	---	---	---
Methyltetrahydropyran, 2-	---	---	2.0E+05	---	4.0E+01	2.0E+01	4.0E+03	2.0E+03	---	---	---	---
Metolachlor	---	---	1.5E+05	3.1E+05	3.3E+02	1.6E+02	3.3E+04	1.6E+04	---	---	---	---
Metribuzin	---	---	2.6E+04	5.1E+04	3.7E+00	1.8E+00	3.7E+02	1.8E+02	---	---	---	---
Mirex	---	---	2.0E+02	4.1E+02	1.3E+04	6.7E+03	1.0E+06	6.7E+05	---	---	---	---
Molinate	---	---	2.0E+03	4.1E+03	5.7E-01	2.9E-01	5.7E+01	2.9E+01	---	---	---	---
Molybdenum	1.0E+06	1.0E+06	5.1E+03	3.9E+04	1.5E+02	7.3E+01	1.5E+04	7.3E+03	---	---	---	---
Morpholine	2.0E+02	1.0E+02	1.0E+06	---	7.1E+04	3.6E+04	1.0E+06	1.0E+06	2.0E+02	1.0E+02	5.6E+04	3.7E+03
MTBE (methyl tert-butyl ether)	6.4E+04	3.3E+04	1.0E+04	---	1.9E+00	9.3E-01	1.9E+02	9.3E+01	6.4E+04	3.3E+04	4.8E+05	3.1E+04

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Hexachlorobutadiene	---	---	2.0E+02	4.1E+02	4.1E+00	2.1E+00	4.1E+02	2.1E+02	---	---	---	---
Hexachlorocyclohexane, alpha (alpha-BHC)	---	---	8.2E+03	4.1E+04	3.2E+01	1.6E+01	3.2E+03	1.6E+03	---	---	---	---
Hexachlorocyclohexane, beta (beta-BHC)	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclohexane, delta (delta-BHC)	---	---	3.1E+02	1.5E+03	7.5E+00	3.7E+00	7.5E+02	3.7E+02	---	---	---	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	8.1E+02	4.2E+02	3.1E+02	1.5E+03	9.2E-03	4.6E-03	9.2E-01	4.6E-01	8.1E+02	4.2E+02	5.3E+05	3.5E+04
Hexachlorocyclohexane, techn (technical-BHC)	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene (HCCPD)	2.0E+01	1.0E+01	6.1E+03	1.2E+04	1.9E+01	9.6E+00	1.9E+03	9.6E+02	2.0E+01	1.0E+01	2.9E+03	1.9E+02
Hexachloroethane	---	---	1.0E+03	2.0E+03	5.5E+00	2.7E+00	5.5E+02	2.7E+02	---	---	---	---
Hexachlorophene	---	---	3.1E+02	6.1E+02	1.8E+04	8.8E+03	1.0E+06	8.8E+05	---	---	---	---
Hexachloropropylene	---	---	1.0E+03	2.0E+03	3.1E+01	1.6E+01	3.1E+03	1.6E+03	---	---	---	---
Hexane, n-	4.3E+03	2.2E+03	6.1E+04	---	6.1E+02	3.0E+02	6.1E+04	3.0E+04	4.3E+03	2.2E+03	2.2E+03	1.4E+02
Hexanediol, 1,6-	1.0E+06	1.0E+06	1.0E+06	1.0E+06	7.8E+02	3.9E+02	7.8E+04	3.9E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Hexanoic acid	1.9E+02	9.8E+01	5.1E+05	1.0E+06	7.0E+01	3.5E+01	7.0E+03	3.5E+03	1.9E+02	9.8E+01	5.7E+04	3.7E+03
Hexanone, 2-	1.5E+02	7.9E+01	6.1E+04	---	1.2E+01	5.8E+00	1.2E+03	5.8E+02	1.5E+02	7.9E+01	5.7E+03	3.7E+02
Hexazinone	2.6E+03	1.4E+03	3.4E+04	6.7E+04	8.2E+00	4.1E+00	8.2E+02	4.1E+02	2.6E+03	1.4E+03	1.0E+06	2.1E+05
Hexylene glycol (2-methyl-2,4-pentanediol)	3.5E+01	1.8E+01	3.1E+05	6.1E+05	4.4E+01	2.2E+01	4.4E+03	2.2E+03	3.5E+01	1.8E+01	1.1E+04	7.2E+02
Hydrazine	---	---	---	---	---	---	---	---	---	---	---	---
Hydrogen chloride (hydrochloric acid)*	---	---	---	---	---	---	---	---	---	---	---	---
Indene	1.6E+02	8.1E+01	2.0E+04	---	2.1E+01	1.1E+01	2.1E+03	1.1E+03	1.6E+02	8.1E+01	5.6E+03	3.6E+02
Indeno-1,2,3-cd-pyrene	---	---	---	---	---	---	---	---	---	---	---	---
Iron*	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	1.0E+04	5.3E+03	3.1E+05	---	4.7E+01	2.3E+01	4.7E+03	2.3E+03	1.0E+04	5.3E+03	8.3E+05	5.4E+04
Isobutylene (2-methyl-1-propene)	8.6E+04	4.4E+04	---	---	---	---	---	---	8.6E+04	4.4E+04	9.4E+04	6.1E+03
Isobutyric acid (2-methylpropanoic acid)	1.6E+02	8.2E+01	5.1E+05	1.0E+06	7.0E+01	3.5E+01	7.0E+03	3.5E+03	1.6E+02	8.2E+01	4.0E+04	2.6E+03
Isodrin	---	---	3.1E+00	6.1E+00	6.0E+01	3.0E+01	6.0E+03	3.0E+03	---	---	---	---
Isophorone	3.8E+03	1.9E+03	2.0E+05	4.1E+05	4.6E+01	2.3E+01	4.6E+03	2.3E+03	3.8E+03	1.9E+03	4.5E+05	2.9E+04
Isopropyl acetate	---	---	7.2E+04	---	1.2E+01	6.0E+00	1.2E+03	6.0E+02	---	---	---	---
Isopropyl alcohol	4.7E+04	2.4E+04	2.0E+05	---	3.0E+01	1.5E+01	3.0E+03	1.5E+03	4.7E+04	2.4E+04	1.0E+06	2.7E+05
Isosafrole	---	---	---	---	---	---	---	---	---	---	---	---
Kelthane (dicofol)	---	---	6.1E+03	1.2E+04	2.2E+02	1.1E+02	2.2E+04	1.1E+04	---	---	---	---
Kepone (chlordecone)	---	---	5.1E+02	1.0E+03	3.9E+01	2.0E+01	3.9E+03	2.0E+03	---	---	---	---
Lead (inorganic)	NA	NA	1.6E+03	NA	3.0E+00	1.5E+00	3.0E+02	1.5E+02	---	---	---	---
Limonene, d-*	---	---	---	---	---	---	---	---	---	---	---	---
Lithium[2]	---	---	2.0E+04	4.1E+05	---	---	---	---	---	---	---	---
Magnesium*	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	7.0E+03	3.6E+03	2.0E+04	4.1E+04	2.0E+01	9.8E+00	2.0E+03	9.8E+02	7.0E+03	3.6E+03	1.0E+06	2.8E+05
Maleic anhydride	2.9E+02	1.5E+02	1.0E+05	2.0E+05	2.1E+01	1.1E+01	2.1E+03	1.1E+03	2.9E+02	1.5E+02	6.5E+04	4.2E+03
Maleic hydrazide	3.5E+04	1.8E+04	5.1E+05	1.0E+06	1.1E+02	5.3E+01	1.1E+04	5.3E+03	3.5E+04	1.8E+04	1.0E+06	1.0E+06
Malononitrile	1.7E+03	8.8E+02	2.0E+01	4.1E+01	3.1E-03	1.5E-03	3.1E-01	1.5E-01	1.7E+03	8.8E+02	4.4E+05	2.9E+04
Mancozeb	---	---	3.1E+04	6.1E+04	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Manganese	6.8E+04	3.5E+04	1.4E+05	1.7E+05	1.0E+04	5.1E+03	1.0E+06	5.1E+05	---	---	---	---
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	---	5.1E+02	1.0E+03	7.0E-02	3.5E-02	7.0E+00	3.5E+00	---	---	---	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	---	1.0E+03	2.0E+03	1.4E-01	7.0E-02	1.4E+01	7.0E+00	---	---	---	---
Merphos	---	---	3.1E+01	6.1E+01	1.9E+01	9.7E+00	1.9E+03	9.7E+02	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Ethalfluralin (sonolan)	---	---	4.1E+04	8.2E+04	7.1E+03	3.5E+03	7.1E+05	3.5E+05	---	---	---	---
Ethanol	1.2E+05	6.4E+04	1.0E+06	---	4.7E+03	2.4E+03	4.7E+05	2.4E+05	1.2E+05	6.4E+04	1.0E+06	7.7E+05
Ethion	3.2E+03	1.7E+03	5.1E+02	1.0E+03	2.3E+01	1.1E+01	2.3E+03	1.1E+03	3.2E+03	1.7E+03	1.0E+06	6.7E+05
Ethoprop	---	---	1.0E+02	2.0E+02	3.7E-01	1.8E-01	3.7E+01	1.8E+01	---	---	---	---
Ethoxy ethanol, 2-	4.3E+03	2.2E+03	4.1E+05	---	2.1E+02	1.1E+02	2.1E+04	1.1E+04	4.3E+03	2.2E+03	5.1E+03	3.3E+02
Ethyl acetate	3.2E+04	1.7E+04	9.2E+05	---	1.4E+02	7.0E+01	1.4E+04	7.0E+03	3.2E+04	1.7E+04	1.0E+06	6.4E+04
Ethyl acrylate	6.8E+02	3.5E+02	---	---	---	---	---	---	6.8E+02	3.5E+02	1.9E+04	1.2E+03
Ethyl benzene	2.1E+04	1.1E+04	1.0E+05	---	7.6E+00	3.8E+00	7.6E+02	3.8E+02	2.1E+04	1.1E+04	2.4E+05	1.5E+04
Ethyl dipropylthiocarbamate, S-	---	---	2.6E+04	5.1E+04	2.1E+01	1.1E+01	2.1E+03	1.1E+03	---	---	---	---
Ethylene*	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	5.2E+03	2.7E+03	2.0E+04	---	3.1E+00	1.5E+00	3.1E+02	1.5E+02	5.2E+03	2.7E+03	1.0E+06	8.7E+04
Ethylene dibromide (dibromoethane, 1,2-)	7.0E+00	3.6E+00	---	---	2.1E-04	1.0E-04	2.1E-02	1.0E-02	7.0E+00	3.6E+00	1.7E+02	1.1E+01
Ethylene glycol	4.3E+03	2.2E+03	1.0E+06	1.0E+06	2.8E+02	1.4E+02	2.8E+04	1.4E+04	4.3E+03	2.2E+03	1.0E+06	7.2E+04
Ethylenimine	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene oxide	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene thiourea	6.9E+02	3.5E+02	8.2E+01	1.6E+02	1.1E-02	5.6E-03	1.1E+00	5.6E-01	6.9E+02	3.5E+02	1.5E+05	9.4E+03
Ethyl ether	2.6E+04	1.3E+04	2.0E+05	---	3.3E+01	1.7E+01	3.3E+03	1.7E+03	2.6E+04	1.3E+04	2.7E+05	1.7E+04
Ethyl-1-hexanol, 2-	5.3E+04	2.7E+04	1.5E+05	3.1E+05	2.3E+02	1.1E+02	2.3E+04	1.1E+04	5.3E+04	2.7E+04	1.0E+06	4.9E+05
Ethyl-2-hexenal, 2-	6.6E+03	3.4E+03	1.5E+05	---	8.4E+01	4.2E+01	8.4E+03	4.2E+03	6.6E+03	3.4E+03	2.0E+05	1.3E+04
Ethylhexyl acrylate, 2-	3.9E+03	2.0E+03	---	---	---	---	---	---	3.9E+03	2.0E+03	7.5E+05	4.9E+04
Ethyl methacrylate	1.6E+04	8.5E+03	9.2E+04	---	2.2E+01	1.1E+01	2.2E+03	1.1E+03	1.6E+04	8.5E+03	4.5E+05	2.9E+04
Ethyl methanesulfonate	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-2-methyl benzene, 1-	1.2E+04	6.1E+03	2.0E+05	---	6.6E+02	3.3E+02	6.6E+04	3.3E+04	1.2E+04	6.1E+03	5.8E+05	3.8E+04
Ethyl-4-methyl benzene, 1-	1.0E+04	5.2E+03	2.0E+05	---	7.2E+02	3.6E+02	7.2E+04	3.6E+04	1.0E+04	5.2E+03	4.8E+05	3.1E+04
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	6.4E+03	3.3E+03	1.0E+03	---	2.7E-01	1.3E-01	2.7E+01	1.3E+01	6.4E+03	3.3E+03	5.6E+04	3.6E+03
Famphur	3.8E+02	1.9E+02	3.1E+01	6.1E+01	5.4E-03	2.7E-03	5.4E-01	2.7E-01	3.8E+02	1.9E+02	1.9E+05	3.6E+04
Fensulfothion	---	---	1.0E+03	2.0E+03	1.0E+00	5.2E-01	1.0E+02	5.2E+01	---	---	---	---
Fenthion	---	---	7.2E+01	1.4E+02	2.3E-01	1.2E-01	2.3E+01	1.2E+01	---	---	---	---
Fluoranthene	---	---	4.1E+04	6.3E+04	5.7E+03	2.9E+03	5.7E+05	2.9E+05	---	---	---	---
Fluorene	---	---	4.1E+04	6.3E+04	8.9E+02	4.5E+02	8.9E+04	4.5E+04	---	---	---	---
Fluorine (soluble fluoride)	---	---	6.1E+04	1.0E+06	---	---	---	---	---	---	---	---
Fluorochloridone	1.6E+04	8.5E+03	7.7E+03	1.5E+04	1.2E+01	5.9E+00	1.2E+03	5.9E+02	1.6E+04	8.5E+03	1.0E+06	7.3E+05
Fonofos	---	---	2.0E+03	4.1E+03	2.1E+01	1.1E+01	2.1E+03	1.1E+03	---	---	---	---
Formaldehyde	1.2E+03	6.4E+02	2.0E+05	---	2.9E+01	1.5E+01	2.9E+03	1.5E+03	1.2E+03	6.4E+02	2.2E+05	1.4E+04
Formic acid	9.3E+02	4.8E+02	1.0E+06	---	2.8E+02	1.4E+02	2.8E+04	1.4E+04	9.3E+02	4.8E+02	1.5E+05	9.6E+03
Furan	6.0E+02	3.1E+02	1.0E+03	---	2.4E-01	1.2E-01	2.4E+01	1.2E+01	6.0E+02	3.1E+02	1.9E+03	1.2E+02
Furfural	8.5E+02	4.4E+02	3.1E+03	---	4.4E-01	2.2E-01	4.4E+01	2.2E+01	8.5E+02	4.4E+02	1.2E+05	7.9E+03
Glycidylaldehyde	2.1E+02	1.1E+02	4.1E+02	---	6.7E-02	3.3E-02	6.7E+00	3.3E+00	2.1E+02	1.1E+02	4.6E+04	3.0E+03
Glyphosate	---	---	1.0E+05	2.0E+05	1.3E+00	6.7E-01	1.3E+02	6.7E+01	---	---	---	---
Heptachlor	---	---	5.1E+02	1.0E+03	1.9E-01	9.4E-02	1.9E+01	9.4E+00	---	---	---	---
Heptachlor epoxide	---	---	1.3E+01	2.7E+01	5.8E-02	2.9E-02	5.8E+00	2.9E+00	---	---	---	---
Heptane, n-	3.9E+05	2.0E+05	6.1E+04	---	2.1E+03	1.1E+03	2.1E+05	1.1E+05	3.9E+05	2.0E+05	1.0E+06	7.7E+04
Heptanoic acid, n-	1.7E+02	8.8E+01	5.1E+05	1.0E+06	7.1E+01	3.5E+01	7.1E+03	3.5E+03	1.7E+02	8.8E+01	4.5E+04	2.9E+03
Hexachlorobenzene	---	---	8.2E+02	1.6E+03	1.1E+00	5.6E-01	1.1E+02	5.6E+01	---	---	---	---

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	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Diethylstilbestrol	---	---	---	---	---	---	---	---	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	4.3E+03	2.2E+03	6.1E+04	---	1.8E+03	9.0E+02	1.8E+05	9.0E+04	4.3E+03	2.2E+03	1.3E+04	8.6E+02
Diisopropyl ether (2,2'-oxybis-propane)	2.1E+04	1.1E+04	1.0E+05	---	3.6E+01	1.8E+01	3.6E+03	1.8E+03	2.1E+04	1.1E+04	1.9E+05	1.2E+04
Dimethenamid	---	---	1.5E+04	3.1E+04	3.1E+00	1.5E+00	3.1E+02	1.5E+02	---	---	---	---
Dimethoate	---	---	2.0E+02	4.1E+02	3.0E-02	1.5E-02	3.0E+00	1.5E+00	---	---	---	---
Dimethoxybenzidine, 3,3'-	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylaminoazobenzene, p-	---	---	1.0E+01	2.0E+01	3.4E+00	1.7E+00	3.4E+02	1.7E+02	---	---	---	---
Dimethylbenz-a-anthracene, 7,12-	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylbenzidine, 3,3'-	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylnaphthalene, 1,3-	---	---	4.1E+04	6.3E+04	2.4E+03	1.2E+03	2.4E+05	1.2E+05	---	---	---	---
Dimethyl phenol, 2,4-	7.1E+03	3.6E+03	2.0E+04	4.1E+04	9.7E+00	4.8E+00	9.7E+02	4.8E+02	7.1E+03	3.6E+03	1.0E+06	9.8E+04
Dimethylphenethylamine, alpha, alpha-	2.9E+05	1.5E+05	2.0E+03	4.1E+03	1.1E+00	5.6E-01	1.1E+02	5.6E+01	2.9E+05	1.5E+05	1.0E+06	1.0E+06
Dimethylphthalate	1.8E+03	9.3E+02	8.2E+05	1.0E+06	1.9E+02	9.3E+01	1.9E+04	9.3E+03	1.8E+03	9.3E+02	4.7E+05	3.0E+04
Di-n-butyl phthalate	4.1E+04	2.1E+04	1.0E+05	2.0E+05	9.9E+03	5.0E+03	9.9E+05	5.0E+05	4.2E+04	2.1E+04	1.0E+06	1.0E+06
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	3.4E+02	1.7E+02	1.0E+02	2.0E+02	2.3E-02	1.1E-02	2.3E+00	1 1E+00	3.4E+02	1.7E+02	8.3E+04	5.4E+03
Dinitrobenzene, 1,4-	3.8E+02	1.9E+02	4.1E+02	8.2E+02	8.7E-02	4.3E-02	8.7E+00	4.3E+00	3.8E+02	1.9E+02	1.1E+05	7.0E+03
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	6.6E+01	3.4E+01	2.0E+03	4.1E+03	2.8E-01	1.4E-01	2.8E+01	1.4E+01	6.6E+01	3.4E+01	2.3E+04	1.5E+03
Dinitrophenol, 2,4-	---	---	2.0E+03	4.1E+03	2.8E-01	1.4E-01	2.8E+01	1.4E+01	---	---	---	---
Dinitrophenol, 2,5-	---	---	2.0E+03	4.1E+03	2.9E-01	1.4E-01	2.9E+01	1.4E+01	---	---	---	---
Dinitrotoluene, 2,4-	4.1E+01	2.1E+01	2.0E+03	4.1E+03	5.8E-01	2.9E-01	5.8E+01	2.9E+01	4.1E+01	2.1E+01	6.8E+03	4.4E+02
Dinitrotoluene, 2,6-	6.0E+01	3.1E+01	1.0E+03	2.0E+03	2.6E-01	1.3E-01	2.6E+01	1.3E+01	6.0E+01	3.1E+01	1.6E+04	1.0E+03
Di-n-octyl phthalate	---	---	2.0E+04	4.1E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06	---	---	---	---
Dinoseb	---	---	1.0E+03	2.0E+03	3.5E-01	1.8E-01	3.5E+01	1.8E+01	---	---	---	---
Dioxane 1,4-	4.9E+03	2.5E+03	---	---	---	---	---	---	4.9E+03	2.5E+03	4.0E+05	2.6E+04
Diphenylamine	5.3E+03	2.7E+03	2.6E+04	5.1E+04	2.9E+01	1.4E+01	2.9E+03	1.4E+03	5.3E+03	2.7E+03	1.0E+06	7.9E+04
Diphenylhydrazine, 1,2-	---	---	---	---	---	---	---	---	---	---	---	---
Diphenyl oxide	3.1E+03	1.6E+03	6.3E+03	1.3E+04	2.7E+02	1.4E+02	2.7E+04	1.4E+04	3.1E+03	1.6E+03	7.7E+05	5.0E+04
Diquat	1.1E+02	5.5E+01	2.2E+03	4.5E+03	2.0E-01	1.0E-01	2.0E+01	1.0E+01	1.1E+02	5.5E+01	6.0E+05	2.8E+05
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	---	1.0E+04	2.0E+04	1.4E+00	7.0E-01	1.4E+02	7.0E+01	---	---	---	---
Disulfoton	2.1E+02	1.1E+02	4.1E+01	8.2E+01	1.0E+00	5.2E-01	1.0E+02	5.2E+01	2.1E+02	1.1E+02	1.8E+05	1.1E+04
Diuron	1.6E+04	8.0E+03	2.0E+03	4.1E+03	2.8E+00	1.4E+00	2.8E+02	1.4E+02	1.6E+04	8.0E+03	1.0E+06	6.7E+05
Dodecylphenol, 4-	1.0E+06	1.0E+06	5.1E+04	1.0E+05	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Endosulfan	1.1E+02	5.7E+01	6.1E+03	1.2E+04	1.4E+01	6.9E+00	1.4E+03	6.9E+02	1.1E+02	5.7E+01	5.1E+04	3.3E+03
Endosulfan I	2.6E+02	1.3E+02	2.0E+03	4.1E+03	9.2E+01	4.6E+01	9.2E+03	4.6E+03	2.6E+02	1.3E+02	8.0E+05	5.2E+04
Endosulfan II	---	---	6.1E+03	1.2E+04	2.8E+02	1.4E+02	2.8E+04	1.4E+04	---	---	---	---
Endosulfan sulfate	---	---	6.1E+03	1.2E+04	1.4E+04	7.0E+03	1.0E+06	7.0E+05	---	---	---	---
Endothall	---	---	2.0E+04	4.1E+04	5.3E-01	2.7E-01	5.3E+01	2.7E+01	---	---	---	---
Endrin	6.6E+02	3.4E+02	3.1E+02	6.1E+02	7.5E-01	3.8E-01	7.5E+01	3.8E+01	6.6E+02	3.4E+02	1.0E+06	1.1E+05
Endrin aldehyde	---	---	3.1E+02	6.1E+02	1.9E+03	9.4E+02	1.9E+05	9.4E+04	---	---	---	---
Endrin ketone	2.6E+03	1.3E+03	3.1E+02	6.1E+02	1.5E+02	7.6E+01	1.5E+04	7.6E+03	2.6E+03	1.4E+03	1.0E+06	1.0E+06
Epichlorohydrin	3.7E+01	1.9E+01	2.0E+03	---	2.9E-01	1.5E-01	2.9E+01	1.5E+01	3.7E+01	1.9E+01	2.0E+03	1.3E+02
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	---	1.0E+01	2.0E+01	1.6E-01	8.2E-02	1.6E+01	8.2E+00	---	---	---	---
Esfenvalerate	---	---	2.0E+03	4.1E+03	3.7E+02	1.9E+02	3.7E+04	1.9E+04	---	---	---	---

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Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Dibenzothiophene	---	---	3.1E+03	6.1E+03	3.0E+02	1.5E+02	3.0E+04	1.5E+04	---	---	---	---
Dibromochloromethane (chlorodibromomethane)	---	---	2.0E+04	---	6.6E+00	3.3E+00	6.6E+02	3.3E+02	---	---	---	---
Dibromo-3-chloropropane, 1,2-	1.1E+01	5.8E+00	---	---	1.7E-03	8.7E-04	1.7E-01	8.7E-02	1.1E+01	5.8E+00	3.9E+02	2.5E+01
Dibromofluoromethane	1.1E+05	5.5E+04	2.0E+05	---	4.7E+01	2.3E+01	4.7E+03	2.3E+03	1.1E+05	5.5E+04	5.8E+05	3.8E+04
Dicamba	2.5E+03	1.3E+03	3.1E+04	6.1E+04	4.4E+00	2.2E+00	4.4E+02	2.2E+02	2.5E+03	1.3E+03	8.5E+05	5.5E+04
Dichlorobenzene, 1,2-	1.1E+03	5.7E+02	9.2E+04	---	1.8E+01	8.9E+00	1.8E+03	8.9E+02	1.1E+03	5.7E+02	4.8E+04	3.1E+03
Dichlorobenzene, 1,3-	1.7E+02	8.8E+01	3.1E+04	---	2.0E+01	1.0E+01	2.0E+03	1.0E+03	1.7E+02	8.8E+01	2.4E+03	1.6E+02
Dichlorobenzene, 1,4-	2.5E+04	1.3E+04	---	---	2.1E+00	1.1E+00	2.1E+02	1.1E+02	2.5E+04	1.3E+04	1.0E+06	6.6E+04
Dichlorobenzidine, 3,3-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobutane, 2,3-	1.5E+02	7.7E+01	1.0E+04	---	7.7E+00	3.8E+00	7.7E+02	3.8E+02	1.5E+02	7.7E+01	2.1E+03	1.4E+02
Dichloro-2-butene, 1,4-	---	---	---	---	---	---	---	---	---	---	---	---
Dichloro-2-butene, 1,4- trans	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	1.1E+05	5.5E+04	2.0E+05	---	7.2E+02	3.6E+02	7.2E+04	3.6E+04	1.1E+05	5.5E+04	2.0E+05	1.3E+04
Dichloroethane, 1,1-	8.6E+03	4.4E+03	1.0E+05	---	2.8E+01	1.4E+01	2.8E+03	1.4E+03	8.6E+03	4.4E+03	3.8E+04	2.5E+03
Dichloroethane, 1,2-	5.2E+04	2.7E+04	---	---	1.4E-02	6.9E-03	1.4E+00	6.9E-01	5.2E+04	2.7E+04	3.4E+05	2.2E+04
Dichloroethylene, 1,1-	4.3E+03	2.2E+03	5.1E+04	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	4.3E+03	2.2E+03	9.8E+03	6.3E+02
Dichloroethylene, cis-1,2-	1.7E+04	8.8E+03	1.0E+04	---	2.5E-01	1.2E-01	2.5E+01	1.2E+01	1.7E+04	8.8E+03	8.1E+04	5.2E+03
Dichloroethylene, trans-1,2	1.7E+04	8.8E+03	2.0E+04	---	4.9E-01	2.5E-01	4.9E+01	2.5E+01	1.7E+04	8.8E+03	7.0E+04	4.5E+03
Dichlorophenol, 2,3-	3.5E+04	1.8E+04	3.1E+03	6.1E+03	1.6E+00	8.1E-01	1.6E+02	8.1E+01	3.5E+04	1.8E+04	1.0E+06	7.4E+05
Dichlorophenol, 2,4-	1.9E+04	9.6E+03	3.1E+03	6.1E+03	1.1E+00	5.3E-01	1.1E+02	5.3E+01	1.9E+04	9.6E+03	1.0E+06	2.4E+05
Dichlorophenol, 2,5-	3.4E+04	1.7E+04	3.1E+03	6.1E+03	1.5E+00	7.5E-01	1.5E+02	7.5E+01	3.4E+04	1.7E+04	1.0E+06	6.9E+05
Dichlorophenol, 2,6-	5.7E+03	2.9E+03	1.0E+03	2.0E+03	2.0E-01	1.0E-01	2.0E+01	1.0E+01	5.7E+03	2.9E+03	1.0E+06	9.3E+04
Dichlorophenol, 3,4-	7.9E+04	4.0E+04	3.1E+03	6.1E+03	6.0E+00	3.0E+00	6.0E+02	3.0E+02	7.9E+04	4.1E+04	1.0E+06	1.0E+06
Dichlorophenol, 3,5-	6.2E+04	3.2E+04	3.1E+03	6.1E+03	4.0E+00	2.0E+00	4.0E+02	2.0E+02	6.2E+04	3.2E+04	1.0E+06	1.0E+06
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	2.0E+03	1.0E+03	1.0E+04	4.1E+04	2.6E+00	1.3E+00	2.6E+02	1.3E+02	2.0E+03	1.0E+03	1.0E+06	1.1E+05
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	---	8.2E+03	1.6E+04	1.2E+00	5.8E-01	1.2E+02	5.8E+01	---	---	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	---	1.0E+04	2.0E+04	1.4E+00	7.0E-01	1.4E+02	7.0E+01	---	---	---	---
Dichloropropane, 1,2-	8.6E+01	4.4E+01	9.2E+04	---	2.3E-02	1.1E-02	2.3E+00	1.1E+00	8.6E+01	4.4E+01	7.4E+02	4.8E+01
Dichloropropane, 1,3-	4.3E+02	2.2E+02	3.1E+04	---	1.5E+01	7.7E+00	1.5E+03	7.7E+02	4.3E+02	2.2E+02	8.6E+03	5.6E+02
Dichloropropane, 2,2-	8.6E+01	4.4E+01	9.2E+04	---	5.9E+01	3.0E+01	5.9E+03	3.0E+03	8.6E+01	4.4E+01	7.1E+02	4.6E+01
Dichloropropanol, 2,3-	---	---	3.1E+03	6.1E+03	7.2E-01	3.6E-01	7.2E+01	3.6E+01	---	---	---	---
Dichloropropene, 1,1-	4.3E+02	2.2E+02	3.1E+04	---	3.2E+01	1.6E+01	3.2E+03	1.6E+03	4.3E+02	2.2E+02	1.4E+03	8.8E+01
Dichloropropene, 1,3- (mixed isomers)	4.3E+02	2.2E+02	3.1E+04	---	9.5E+00	4.7E+00	9.5E+02	4.7E+02	4.3E+02	2.2E+02	3.7E+03	2.4E+02
Dichloropropene, cis 1,3-	1.4E+02	7.4E+01	1.0E+02	---	2.9E-02	1.4E-02	2.9E+00	1.4E+00	1.4E+02	7.4E+01	1.3E+03	8.2E+01
Dichloropropene, trans 1,3-	4.3E+02	2.2E+02	3.1E+04	---	8.6E+00	4.3E+00	8.6E+02	4.3E+02	4.3E+02	2.2E+02	3.6E+03	2.3E+02
Dichlorvos	4.8E+05	2.5E+05	5.1E+02	1.0E+03	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	8.7E+05	1.0E+06	1.0E+06
Dicrotophos (bidrin)	---	---	1.0E+02	2.0E+02	1.4E-02	7.0E-03	1.4E+00	7.0E-01	---	---	---	---
Dicyclopentadiene	---	---	3.1E+04	---	---	---	---	---	---	---	---	---
Dieldrin	---	---	5.1E+01	1.0E+02	3.1E+00	1.6E+00	3.1E+02	1.6E+02	---	---	---	---
Diethanolamine	3.9E+02	2.0E+02	5.1E+02	1.0E+03	7.0E-02	3.5E-02	7.0E+00	3.5E+00	3.9E+02	2.0E+02	4.2E+05	1.6E+05
Diethyl phthalate	4.0E+03	2.0E+03	8.2E+05	1.0E+06	4.7E+02	2.3E+02	4.7E+04	2.3E+04	4.0E+03	2.1E+03	1.0E+06	9.8E+04
Diethylene glycol	---	---	1.0E+06	1.0E+06	2.8E+02	1.4E+02	2.8E+04	1.4E+04	---	---	---	---
Diethylene glycol monobutyl ether	5.7E+03	2.9E+03	9.2E+04	1.8E+05	1.4E+01	7.0E+00	1.4E+03	7.0E+02	5.7E+03	2.9E+03	1.0E+06	1.2E+05
Diethylhexyl adipate	4.5E+04	2.3E+04	6.1E+05	1.0E+06	6.1E+03	3.0E+03	6.1E+05	3.0E+05	4.5E+04	2.3E+04	1.0E+06	1.0E+06

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Chloropropane, 2-	2.1E+03	1.1E+03	3.1E+04	---	1.6E+01	8.1E+00	1.6E+03	8.1E+02	2.1E+03	1.1E+03	4.8E+03	3.1E+02
Chloro-2-propanol, 1-	---	---	2.0E+04	---	3.2E+00	1.6E+00	3.2E+02	1.6E+02	---	---	---	---
Chlorothalonil	---	---	1.5E+04	3.1E+04	1.1E+02	5.4E+01	1.1E+04	5.4E+03	---	---	---	---
Chlorotoluene, o- (2-chlorotoluene)	6.0E+03	3.1E+03	2.0E+04	4.1E+04	2.7E+01	1.4E+01	2.7E+03	1.4E+03	6.0E+03	3.1E+03	2.0E+05	1.3E+04
Chlorotoluene, p- (4-chlorotoluene)	6.7E+00	3.5E+00	2.0E+04	---	3.2E+01	1.6E+01	3.2E+03	1.6E+03	6.7E+00	3.5E+00	2.4E+02	1.6E+01
Chlorpyrifos	4.8E+02	2.5E+02	3.1E+03	6.1E+03	4.4E+01	2.2E+01	4.4E+03	2.2E+03	4.8E+02	2.5E+02	4.5E+05	2.9E+04
Chromium (III) (total chromium)	1.4E+05	7.0E+04	1.0E+06	4.0E+05	2.4E+03	1.2E+03	2.4E+05	1.2E+05	---	---	---	---
Chromium (VI)	1.4E+05	7.0E+04	3.1E+03	1.5E+03	2.8E+01	1.4E+01	2.8E+03	1.4E+03	---	---	---	---
Chrysene	---	---	---	---	---	---	---	---	---	---	---	---
Cobalt	2.7E+04	1.4E+04	6.1E+04	1.0E+06	4.0E+03	2.0E+03	4.0E+05	2.0E+05	---	---	---	---
Copolymer acrylamide	5.0E+00	2.6E+00	2.0E+02	4.1E+02	2.8E-02	1.4E-02	2.8E+00	1.4E+00	5.0E+00	2.6E+00	1.3E+03	8.7E+01
Copper	1.0E+06	7.0E+05	4.1E+04	8.2E+05	1.0E+03	5.2E+02	1.0E+05	5.2E+04	---	---	---	---
Coronene	---	---	2.0E+03	4.1E+03	1.7E+05	8.4E+04	1.0E+06	1.0E+06	---	---	---	---
Coumaphos	---	---	7.2E+03	1.4E+04	3.3E+02	1.6E+02	3.3E+04	1.6E+04	---	---	---	---
Cresol	4.2E+03	2.1E+03	5.1E+04	1.0E+05	2.0E+01	9.9E+00	2.0E+03	9.9E+02	4.2E+03	2.1E+03	9.3E+05	6.0E+04
Cresol, m- (3-methylphenol)	4.2E+03	2.1E+03	5.1E+04	1.0E+05	2.0E+01	9.9E+00	2.0E+03	9.9E+02	4.2E+03	2.1E+03	9.3E+05	6.0E+04
Cresol, o- (2-methylphenol)	4.0E+03	2.0E+03	5.1E+04	1.0E+05	2.1E+01	1.1E+01	2.1E+03	1.1E+03	4.0E+03	2.0E+03	8.2E+05	5.3E+04
Cresol, p- (4-methylphenol)	4.0E+03	2.0E+03	5.1E+03	1.0E+04	1.9E+00	9.4E-01	1.9E+02	9.4E+01	4.0E+03	2.0E+03	8.6E+05	5.5E+04
Crotonaldehyde	2.7E+02	1.4E+02	---	---	---	---	---	---	2.7E+02	1.4E+02	1.8E+04	1.1E+03
Cumene (isopropylbenzene)	1.3E+04	6.7E+03	1.0E+05	---	1.0E+03	5.2E+02	1.0E+05	5.2E+04	1.3E+04	6.7E+03	8.7E+05	5.7E+04
Cyanazine	---	---	2.0E+03	4.1E+03	5.7E-01	2.8E-01	5.7E+01	2.8E+01	---	---	---	---
Cyanide	1.0E+06	1.0E+06	2.0E+04	4.1E+05	4.0E+01	2.0E+01	4.0E+03	2.0E+03	---	---	---	---
Cyanogen	4.5E+02	2.3E+02	4.1E+04	---	7.3E+00	3.6E+00	7.3E+02	3.6E+02	4.5E+02	2.3E+02	6.7E+02	4.3E+01
Cycloate	---	---	5.6E+04	1.1E+05	4.5E+02	2.3E+02	4.5E+04	2.3E+04	---	---	---	---
Cyclohexane	1.3E+05	6.6E+04	1.0E+06	---	1.8E+04	8.8E+03	1.0E+06	8.8E+05	1.3E+05	6.6E+04	4.0E+05	2.6E+04
Cyclohexanol	4.4E+04	2.2E+04	1.0E+06	1.0E+06	8.8E+02	4.4E+02	8.8E+04	4.4E+04	4.4E+04	2.2E+04	1.0E+06	6.0E+05
Cyclohexanone	7.0E+03	3.6E+03	1.0E+06	---	7.8E+02	3.9E+02	7.8E+04	3.9E+04	7.0E+03	3.6E+03	6.0E+05	3.9E+04
Cyclotetramethylenetetranitramine (HMX)	6.4E+02	3.3E+02	5.1E+04	1.5E+04	7.0E+00	3.5E+00	7.0E+02	3.5E+02	6.4E+02	3.3E+02	1.0E+06	1.0E+06
Cyclotrimethylenetrinitramine (RDX)	7.9E+01	4.1E+01	3.1E+03	6.1E+03	9.7E-01	4.9E-01	9.7E+01	4.9E+01	7.9E+01	4.1E+01	7.3E+03	4.7E+02
Cymene (isopropyltoluene)	9.6E+03	4.9E+03	1.0E+05	---	6.9E+02	3.5E+02	6.9E+04	3.5E+04	9.6E+03	4.9E+03	6.1E+05	3.9E+04
Cymoxanil	---	---	1.3E+04	2.7E+04	1.8E+00	9.1E-01	1.8E+02	9.1E+01	---	---	---	---
Dacthal (DCPA)	---	---	1.0E+04	2.0E+04	1.4E+03	6.8E+02	1.4E+05	6.8E+04	---	---	---	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	---	3.1E+04	6.1E+04	5.8E-01	2.9E-01	5.8E+01	2.9E+01	---	---	---	---
DDD	---	---	---	---	---	---	---	---	---	---	---	---
DDE	---	---	---	---	---	---	---	---	---	---	---	---
DDT	---	---	5.1E+02	3.4E+03	2.0E+02	1.0E+02	2.0E+04	1.0E+04	---	---	---	---
Demeton	---	---	4.1E+01	8.2E+01	3.7E-02	1.9E-02	3.7E+00	1.9E+00	---	---	---	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	---	4.1E+04	8.2E+04	5.8E+00	2.9E+00	5.8E+02	2.9E+02	---	---	---	---
Diallate	---	---	---	---	---	---	---	---	---	---	---	---
Diazinon	9.1E+01	4.7E+01	9.2E+02	1.8E+03	4.7E-01	2.4E-01	4.7E+01	2.4E+01	9.1E+01	4.7E+01	4.0E+04	2.6E+03
Dibenz-a,h-acridine	---	---	---	---	---	---	---	---	---	---	---	---
Dibenz-a,h-anthracene	---	---	---	---	---	---	---	---	---	---	---	---
Dibenz-a,j-acridine	---	---	---	---	---	---	---	---	---	---	---	---
Dibenzofuran	---	---	4.1E+03	8.2E+03	1.0E+02	5.0E+01	1.0E+04	5.0E+03	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Butylbenzene, tert-	6.6E+03	3.4E+03	4.1E+04	---	3.0E+02	1.5E+02	3.0E+04	1.5E+04	6.6E+03	3.4E+03	3.6E+05	2.3E+04
Butyl ether, n- (dibutyl ether)	3.2E+03	1.6E+03	1.0E+05	---	1.3E+02	6.5E+01	1.3E+04	6.5E+03	3.2E+03	1.6E+03	1.3E+05	8.1E+03
Cacodylic acid	---	---	3.1E+03	6.1E+03	4.4E-01	2.2E-01	4.4E+01	2.2E+01	---	---	---	---
Cadmium	---	---	1.0E+03	5.1E+03	1.5E+00	7.5E-01	1.5E+02	7.5E+01	---	---	---	---
Calcium*	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	4.6E+02	2.3E+02	5.1E+05	1.0E+06	1.4E+02	7.0E+01	1.4E+04	7.0E+03	4.6E+02	2.3E+02	1.3E+05	8.5E+03
Captan	1.6E+04	8.2E+03	1.3E+05	2.7E+05	2.4E+03	1.2E+03	2.4E+05	1.2E+05	1.6E+04	8.2E+03	1.0E+06	1.0E+06
Carbaryl	5.7E+03	2.9E+03	1.0E+05	2.0E+05	8.2E+01	4.1E+01	8.2E+03	4.1E+03	5.7E+03	2.9E+03	1.0E+06	1.9E+05
Carbazole	---	---	---	---	---	---	---	---	---	---	---	---
Carbofuran	4.7E+01	2.4E+01	5.1E+03	1.0E+04	1.2E-01	6.2E-02	1.2E+01	6.2E+00	4.7E+01	2.4E+01	1.6E+04	1.1E+03
Carbon disulfide	1.5E+04	7.7E+03	1.0E+05	---	4.1E+01	2.0E+01	4.1E+03	2.0E+03	1.5E+04	7.7E+03	3.8E+04	2.4E+03
Carbon tetrachloride	4.3E+01	2.2E+01	7.2E+02	---	6.2E-02	3.1E-02	6.2E+00	3.1E+00	4.3E+01	2.2E+01	1.8E+02	1.1E+01
Carbophenothion	---	---	1.3E+04	2.7E+04	4.4E+03	2.2E+03	4.4E+05	2.2E+05	---	---	---	---
Carbosulfan	---	---	1.0E+04	2.0E+04	7.5E+02	3.8E+02	7.5E+04	3.8E+04	---	---	---	---
Carboxin	---	---	1.0E+05	2.0E+05	2.6E+02	1.3E+02	2.6E+04	1.3E+04	---	---	---	---
Chloral	1.0E+03	5.4E+02	1.0E+05	---	1.6E+01	7.9E+00	1.6E+03	7.9E+02	1.0E+03	5.4E+02	2.5E+05	1.6E+04
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	1.2E+03	6.1E+02	1.0E+05	2.0E+05	1.6E+01	7.8E+00	1.6E+03	7.8E+02	1.2E+03	6.1E+02	3.4E+05	2.3E+04
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	---	---	1.5E+04	3.1E+04	1.1E+01	5.6E+00	1.1E+03	5.6E+02	---	---	---	---
Chlordane (technical)	5.2E+03	2.7E+03	5.1E+02	2.6E+03	9.6E+00	4.8E+00	9.6E+02	4.8E+02	5.2E+03	2.7E+03	1.0E+06	1.0E+06
Chlordane, cis- (alpha chlordane)	1.7E+04	8.7E+03	5.1E+02	1.0E+03	1.0E+04	5.2E+03	1.0E+06	5.2E+05	1.7E+04	8.9E+03	1.0E+06	1.0E+06
Chlordane, gamma	4.0E+03	2.1E+03	5.1E+02	1.0E+03	5.7E+02	2.9E+02	5.7E+04	2.9E+04	4.1E+03	2.1E+03	1.0E+06	6.6E+05
Chlorfenvinphos	4.3E+01	2.2E+01	7.2E+02	1.4E+03	2.7E+00	1.4E+00	2.7E+02	1.4E+02	4.3E+01	2.2E+01	---	---
Chloride*	---	---	---	---	---	---	---	---	---	---	---	---
Chlorine	3.2E+01	1.7E+01	1.0E+05	4.1E+05	---	---	---	---	3.2E+01	1.7E+01	---	---
Chloroaniline, p-	2.0E+03	1.0E+03	4.1E+03	8.2E+03	1.3E+00	6.7E-01	1.3E+02	6.7E+01	2.0E+03	1.0E+03	4.4E+05	2.8E+04
Chlorobenzene	1.3E+03	6.6E+02	2.0E+04	---	1.1E+00	5.5E-01	1.1E+02	5.5E+01	1.3E+03	6.6E+02	2.1E+04	1.4E+03
Chlorobenzilate	---	---	2.0E+04	4.1E+04	5.0E+01	2.5E+01	5.0E+03	2.5E+03	---	---	---	---
Chlorobromomethane (bromochloromethane)	1.1E+03	5.5E+02	4.1E+04	---	9.1E+00	4.5E+00	9.1E+02	4.5E+02	1.1E+03	5.5E+02	9.8E+03	6.3E+02
Chloro-1,3-butadiene, 2-	1.5E+02	7.7E+01	---	---	---	---	---	---	1.5E+02	7.7E+01	3.3E+02	2.1E+01
Chlorodifluoromethane	1.0E+06	5.5E+05	---	---	---	---	---	---	1.0E+06	5.5E+05	1.0E+06	8.1E+04
Chloroethane (ethyl chloride)	2.1E+05	1.1E+05	4.1E+05	---	9.2E+01	4.6E+01	9.2E+03	4.6E+03	2.1E+05	1.1E+05	5.1E+05	3.3E+04
Chloroethanol, 2-	4.8E+02	2.5E+02	4.1E+05	---	5.8E+01	2.9E+01	5.8E+03	2.9E+03	4.8E+02	2.5E+02	1.0E+05	6.5E+03
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	6.4E+00	3.3E+00	2.0E+03	---	5.1E-01	2.5E-01	5.1E+01	2.5E+01	6.4E+00	3.3E+00	9.5E+01	6.2E+00
Chloroform	2.1E+03	1.1E+03	1.0E+04	---	3.0E+00	1.5E+00	3.0E+02	1.5E+02	2.1E+03	1.1E+03	1.1E+04	7.2E+02
Chlorohexane, 1-	2.1E+04	1.1E+04	4.1E+04	---	1.2E+02	5.9E+01	1.2E+04	5.9E+03	2.1E+04	1.1E+04	4.1E+05	2.6E+04
Chloromethane (methyl chloride)	1.9E+03	9.9E+02	---	---	---	---	---	---	1.9E+03	9.9E+02	2.0E+03	1.3E+02
Chloro-3-methylphenol, 4-	4.8E+04	2.5E+04	5.1E+03	1.0E+04	1.4E+01	6.8E+00	1.4E+03	6.8E+02	4.8E+04	2.5E+04	1.0E+06	1.0E+06
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	---	8.2E+04	1.3E+05	2.2E+03	1.1E+03	2.2E+05	1.1E+05	---	---	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	---	8.2E+04	1.3E+05	2.0E+03	1.0E+03	2.0E+05	1.0E+05	---	---	---	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenol, 2-	8.8E+03	4.5E+03	5.1E+03	---	4.9E+00	2.4E+00	4.9E+02	2.4E+02	8.8E+03	4.5E+03	1.0E+06	7.4E+04
Chlorophenol, 3-	1.8E+04	9.1E+03	5.1E+03	1.0E+04	2.3E+00	1.2E+00	2.3E+02	1.2E+02	1.8E+04	9.1E+03	1.0E+06	3.4E+05
Chlorophenol, 4-	1.8E+04	9.5E+03	5.1E+03	1.0E+04	2.5E+00	1.2E+00	2.5E+02	1.2E+02	1.8E+04	9.5E+03	1.0E+06	3.6E+05
Chlorophenyl phenylether, 4-	---	---	---	---	---	---	---	---	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Benomyl	---	---	5.1E+04	1.0E+05	9.1E+00	4.6E+00	9.1E+02	4.6E+02	---	---	---	---
Benz-a-anthracene	---	---	---	---	---	---	---	---	---	---	---	---
Benzaldehyde	6.7E+02	3.5E+02	1.0E+05	---	3.1E+01	1.6E+01	3.1E+03	1.6E+03	6.7E+02	3.5E+02	3.1E+04	2.0E+03
Benzene	6.4E+02	3.3E+02	3.1E+03	---	2.6E-02	1.3E-02	2.6E+00	1.3E+00	6.4E+02	3.3E+02	3.7E+03	2.4E+02
Benzenethiol	1.1E+01	5.5E+00	1.0E+01	---	2.0E-03	1.0E-03	2.0E-01	1.0E-01	1.1E+01	5.5E+00	1.8E+02	1.1E+01
Benzidine	---	---	3.1E+03	6.1E+03	6.0E-01	3.0E-01	6.0E+01	3.0E+01	---	---	---	---
Benzo-a-pyrene	---	---	---	---	7.6E+00	3.8E+00	7.6E+02	3.8E+02	---	---	---	---
Benzo-b-fluoranthene	---	---	---	---	---	---	---	---	---	---	---	---
Benzo-e-pyrene	---	---	3.1E+04	4.7E+04	3.4E+05	1.7E+05	1.0E+06	1.0E+06	---	---	---	---
Benzo-g,h,i-perylene	---	---	3.1E+04	4.7E+04	1.4E+05	6.9E+04	1.0E+06	1.0E+06	---	---	---	---
Benzoic acid	9.7E+02	5.0E+02	1.0E+06	1.0E+06	5.7E+02	2.8E+02	5.7E+04	2.8E+04	9.7E+02	5.0E+02	2.8E+05	1.8E+04
Benzo-k-fluoranthene	---	---	---	---	---	---	---	---	---	---	---	---
Benzotrichloride	9.6E+01	4.9E+01	---	---	---	---	---	---	9.6E+01	4.9E+01	7.2E+03	4.6E+02
Benzyl alcohol	1.3E+04	6.4E+03	3.1E+05	6.1E+05	5.2E+01	2.6E+01	5.2E+03	2.6E+03	1.3E+04	6.4E+03	1.0E+06	2.0E+05
Benzyl chloride	2.1E+02	1.1E+02	---	---	---	---	---	---	2.1E+02	1.1E+02	6.5E+03	4.2E+02
Benzyl dichloride	1.5E+02	8.0E+01	---	---	---	---	---	---	1.5E+02	8.0E+01	6.6E+03	4.2E+02
Beryllium	2.7E+04	1.4E+04	2.0E+03	2.9E+02	1.8E+00	9.2E-01	1.8E+02	9.2E+01	---	---	---	---
Biphenyl, 1,1-	3.8E+02	1.9E+02	5.1E+04	1.0E+05	7.6E+02	3.8E+02	7.6E+04	3.8E+04	3.8E+02	1.9E+02	5.9E+04	3.8E+03
Biquinoline, 2,2'-	---	---	3.1E+03	6.1E+03	8.0E+01	4.0E+01	8.0E+03	4.0E+03	---	---	---	---
Bis (2-chloroethoxy) methane	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-chloroethyl) ether	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-chloroisopropyl) ether	---	---	4.1E+04	8.2E+04	4.3E+01	2.1E+01	4.3E+03	2.1E+03	---	---	---	---
Bis (2-chloromethyl) ether	---	---	---	---	---	---	---	---	---	---	---	---
Bis (2-ethyl-hexyl) phthalate	---	---	2.0E+04	7.8E+03	1.6E+02	8.2E+01	1.6E+04	8.2E+03	---	---	---	---
Bismuth	---	---	5.1E+05	1.0E+06	---	---	---	---	---	---	---	---
Bisphenol A	1.3E+05	6.9E+04	5.1E+04	1.0E+05	8.7E+01	4.4E+01	8.7E+03	4.4E+03	1.3E+05	6.9E+04	1.0E+06	1.0E+06
Boron[2]	1.0E+06	1.0E+06	9.2E+04	1.0E+06	---	---	---	---	---	---	---	---
Bromobenzene	2.3E+02	1.2E+02	2.0E+04	---	1.7E+01	8.6E+00	1.7E+03	8.6E+02	2.3E+02	1.2E+02	6.2E+03	4.0E+02
Bromo-2-chloroethane, 1-	1.1E+03	5.5E+02	4.1E+04	---	1.0E+01	5.2E+00	1.0E+03	5.2E+02	1.1E+03	5.5E+02	1.3E+04	8.1E+02
Bromodichloromethane	---	---	2.0E+04	---	6.5E+00	3.2E+00	6.5E+02	3.2E+02	---	---	---	---
Bromoform	---	---	2.0E+04	---	8.0E+00	4.0E+00	8.0E+02	4.0E+02	---	---	---	---
Bromomethane (methyl bromide)	1.1E+02	5.5E+01	1.4E+03	---	3.9E-01	2.0E-01	3.9E+01	2.0E+01	1.1E+02	5.5E+01	2.5E+02	1.6E+01
Bromophenyl phenylether, 4-	---	---	---	---	---	---	---	---	---	---	---	---
Butadiene, 1,3-	4.3E+01	2.2E+01	---	---	---	---	---	---	4.3E+01	2.2E+01	4.2E+01	2.7E+00
Butanal (butyraldehyde)	1.7E+04	8.8E+03	6.1E+04	---	9.4E+00	4.7E+00	9.4E+02	4.7E+02	1.7E+04	8.8E+03	4.8E+05	3.1E+04
Butanoic acid (butyric acid)	1.8E+02	9.3E+01	5.1E+05	1.0E+06	7.0E+01	3.5E+01	7.0E+03	3.5E+03	1.8E+02	9.3E+01	5.1E+04	3.3E+03
Butanol, n-	6.2E+03	3.2E+03	1.0E+05	---	1.6E+01	7.9E+00	1.6E+03	7.9E+02	6.2E+03	3.2E+03	6.0E+05	3.8E+04
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGB	1.0E+06	1.0E+06	5.1E+05	1.0E+06	8.8E+01	4.4E+01	8.8E+03	4.4E+03	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Butyl acetate	1.7E+03	9.0E+02	1.4E+05	---	3.1E+01	1.5E+01	3.1E+03	1.5E+03	1.7E+03	9.0E+02	4.4E+04	2.8E+03
Butyl acrylate	1.9E+02	9.5E+01	9.2E+03	---	3.1E+00	1.5E+00	3.1E+02	1.5E+02	1.9E+02	9.5E+01	5.2E+03	3.4E+02
Butyl benzyl phthalate	3.5E+04	1.8E+04	2.0E+05	4.1E+05	8.1E+03	4.0E+03	8.1E+05	4.0E+05	3.5E+04	1.8E+04	1.0E+06	1.0E+06
Butylate	---	---	5.1E+04	1.0E+05	2.5E+01	1.3E+01	2.5E+03	1.3E+03	---	---	---	---
Butylbenzene, n-	9.2E+03	4.7E+03	4.1E+04	8.2E+04	3.6E+02	1.8E+02	3.6E+04	1.8E+04	9.2E+03	4.7E+03	6.3E+05	4.1E+04
Butylbenzene, sec-	8.0E+03	4.1E+03	4.1E+04	---	2.5E+02	1.3E+02	2.5E+04	1.3E+04	8.0E+03	4.1E+03	4.7E+05	3.0E+04

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Acenaphthylene	---	---	6.1E+04	9.4E+04	1.2E+03	6.1E+02	1.2E+05	6.1E+04	---	---	---	---
Acetaldehyde	2.0E+02	1.0E+02	1.0E+05	---	1.5E+01	7.4E+00	1.5E+03	7.4E+02	2.0E+02	1.0E+02	6.7E+03	4.3E+02
Acetic acid*	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	1.6E+04	8.2E+03	9.2E+05	---	1.3E+02	6.4E+01	1.3E+04	6.4E+03	1.6E+04	8.2E+03	6.9E+05	4.5E+04
Acetone cyanohydrin	4.0E+02	2.1E+02	8.2E+02	1.6E+03	1.1E-01	5.7E-02	1.1E+01	5.7E+00	4.0E+02	2.1E+02	6.2E+04	4.0E+03
Acetonitrile	1.8E+03	9.4E+02	---	---	---	---	---	---	1.8E+03	9.4E+02	8.7E+04	5.6E+03
Acetophenone	6.7E+03	3.5E+03	1.0E+05	2.0E+05	2.5E+01	1.2E+01	2.5E+03	1.2E+03	6.7E+03	3.5E+03	6.4E+05	4.1E+04
Acetylaminofluorene, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Acifluorfen, sodium	9.1E+03	4.7E+03	1.3E+04	2.7E+04	6.1E+00	3.1E+00	6.1E+02	3.1E+02	9.1E+03	4.7E+03	1.0E+06	1.0E+06
Acridine	---	---	3.1E+03	6.1E+03	2.3E+01	1.1E+01	2.3E+03	1.1E+03	---	---	---	---
Acrolein	1.6E+00	8.1E-01	5.1E+02	---	7.1E-02	3.5E-02	7.1E+00	3.5E+00	1.6E+00	8.1E-01	1.9E+02	1.2E+01
Acrylamide	---	---	2.0E+02	4.1E+02	2.8E-02	1.4E-02	2.8E+00	1.4E+00	---	---	---	---
Acrylic acid (propenoic acid)	1.7E+02	8.7E+01	5.1E+05	---	7.2E+01	3.6E+01	7.2E+03	3.6E+03	1.7E+02	8.7E+01	4.1E+04	2.7E+03
Acrylonitrile	4.3E+01	2.2E+01	1.0E+03	---	1.4E-01	7.2E-02	1.4E+01	7.2E+00	4.3E+01	2.2E+01	9.3E+02	6.0E+01
Adipic acid (hexanedioic acid)	1.1E+03	5.4E+02	1.0E+06	1.0E+06	7.0E+02	3.5E+02	7.0E+04	3.5E+04	1.1E+03	5.4E+02	1.0E+06	4.1E+05
Alachlor	---	---	1.0E+04	2.0E+04	1.9E-02	9.5E-03	1.9E+00	9.5E-01	---	---	---	---
Aldicarb	---	---	1.0E+03	2.0E+03	1.8E-02	8.9E-03	1.8E+00	8.9E-01	---	---	---	---
Aldicarb sulfone	---	---	1.0E+03	2.0E+03	1.4E-02	6.9E-03	1.4E+00	6.9E-01	---	---	---	---
Aldrin	---	---	3.1E+01	6.1E+01	4.2E+00	2.1E+00	4.2E+02	2.1E+02	---	---	---	---
Allyl alcohol	3.8E+02	2.0E+02	5.1E+03	---	7.5E-01	3.7E-01	7.5E+01	3.7E+01	3.8E+02	2.0E+02	4.1E+04	2.6E+03
Allyl chloride	2.1E+01	1.1E+01	1.0E+04	---	3.0E+00	1.5E+00	3.0E+02	1.5E+02	2.1E+01	1.1E+01	5.3E+01	3.4E+00
Aluminum	1.0E+06	1.0E+06	1.0E+06	1.0E+06	5.2E+05	2.6E+05	1.0E+06	1.0E+06	---	---	---	---
Ametryn	---	---	9.2E+03	1.8E+04	2.1E+01	1.1E+01	2.1E+03	1.1E+03	---	---	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	---	---	---	---	---	---	---	---	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	1.2E+02	6.3E+01	1.7E+02	3.4E+02	2.0E-01	1.0E-01	2.0E+01	1.0E+01	1.2E+02	6.3E+01	6.4E+04	4.2E+03
Amino-4,6-dinitrotoluene, 2-	1.5E+02	7.8E+01	1.7E+02	3.4E+02	3.0E-01	1.5E-01	3.0E+01	1.5E+01	1.5E+02	7.8E+01	9.6E+04	6.2E+03
Aminopyridine, 4-	4.6E+01	2.4E+01	2.0E+01	4.1E+01	2.8E-03	1.4E-03	2.8E-01	1.4E-01	4.6E+01	2.4E+01	1.3E+04	8.3E+02
Ammonia	2.1E+03	1.1E+03	---	---	---	---	---	---	2.1E+03	1.1E+03	7.9E+03	5.1E+02
Ammonium polyphosphate*	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	1.8E+02	9.4E+01	7.2E+03	1.4E+04	1.2E+00	5.8E-01	1.2E+02	5.8E+01	1.8E+02	9.4E+01	3.6E+04	2.3E+03
Anthracene	---	---	3.1E+05	4.7E+05	2.1E+04	1.0E+04	1.0E+06	1.0E+06	---	---	---	---
Anthraquinone, 9,10-	---	---	2.0E+04	4.1E+04	7.1E+01	3.5E+01	7.1E+03	3.5E+03	---	---	---	---
Antimony	6.8E+05	3.5E+05	4.1E+02	1.2E+03	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Aramite	---	---	5.1E+04	1.0E+05	---	---	---	---	---	---	---	---
Arsenic	---	---	3.9E+02	2.0E+03	5.0E+00	2.5E+00	5.0E+02	2.5E+02	---	---	---	---
Arsine	1.1E+00	5.5E-01	---	---	---	---	---	---	1.1E+00	5.5E-01	---	---
Asbestos	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	4.7E+03	2.4E+03	3.6E+04	7.2E+04	2.5E-02	1.2E-02	2.5E+00	1.2E+00	4.7E+03	2.4E+03	1.0E+06	1.4E+05
Azinphos-methyl (guthion)	---	---	1.5E+03	3.1E+03	1.3E+00	6.6E-01	1.3E+02	6.6E+01	---	---	---	---
Azobenzene	---	---	---	---	---	---	---	---	---	---	---	---
Barium	6.8E+05	3.5E+05	7.2E+04	1.0E+05	4.4E+02	2.2E+02	4.4E+04	2.2E+04	---	---	---	---
Bayleton	---	---	3.1E+04	6.1E+04	2.2E+01	1.1E+01	2.2E+03	1.1E+03	---	---	---	---
Benefin (benfluralin)	---	---	3.1E+05	6.1E+05	1.5E+05	7.3E+04	1.0E+06	1.0E+06	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)

[3]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health

NA = not applicable

All values capped at 1E+06

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Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Trifluralin	---	---	3.7E+03	7.4E+03	1.5E+02	7.3E+01	1.5E+04	7.3E+03	---	---	---	---
Trimethylamine	---	---	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,3-	---	---	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,4-	---	---	---	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,3,5-	---	---	---	---	---	---	---	---	---	---	---	---
Trinitrobenzene, 1,3,5-	---	---	---	---	---	---	---	---	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	---	---	---	---	---	---	---	---	---	---	---	---
Trinitrotoluene, 2,4,6-	---	---	9.5E+02	1.9E+03	9.5E-01	4.8E-01	9.5E+01	4.8E+01	---	---	---	---
Uranium (soluble salts)	---	---	---	---	1.8E+03	8.9E+02	1.8E+05	8.9E+04	---	---	---	---
Valeric acid (pentanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Vanadium	---	---	---	---	---	---	---	---	---	---	---	---
Vernam	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl acetate	---	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	6.8E+01	3.5E+01	1.9E+01	---	2.2E-02	1.1E-02	2.2E+00	1.1E+00	6.8E+01	3.5E+01	6.8E+01	4.4E+00
Vinylcyclohexane	---	---	---	---	---	---	---	---	---	---	---	---
Warfarin	---	---	---	---	---	---	---	---	---	---	---	---
Xylene, m-	---	---	---	---	1.1E+02	5.3E+01	1.1E+04	5.3E+03	---	---	---	---
Xylene, o-	---	---	---	---	7.1E+01	3.5E+01	7.1E+03	3.5E+03	---	---	---	---
Xylene, p-	---	---	---	---	1.5E+02	7.5E+01	1.5E+04	7.5E+03	---	---	---	---
Xylenes	---	---	---	---	1.2E+02	6.1E+01	1.2E+04	6.1E+03	---	---	---	---
Zinc	---	---	---	---	---	---	---	---	---	---	---	---
6 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>6-8 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>8-10 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>10-12 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>12-16 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>16-21 C aliphatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	---	---	---	---	---	---	---	---	---	---
>7-8 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>8-10 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>10-12 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>12-16 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>16-21 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---
>21-35 C aromatics (TPH)	---	---	---	---	---	---	---	---	---	---	---	---

Footnotes

[1]For subsurface soils only

[2]Please contact the TNRCC for assistance in determining a site-specific approach for $^{GW}Soil_{Ing}$ values for these compounds.

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	${}^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	${}^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	${}^{Soil}Soil_{Ing}$ (mg/kg)	${}^{Soil}Soil_{Derm}$ (mg/kg)	${}^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	${}^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	${}^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	${}^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	${}^{Air}Soil_{Inh-V}{}^{1}$ 0.5 acre source area (mg/kg)	${}^{Air}Soil_{Inh-V}{}^{1}$ 30 acre source area (mg/kg)	${}^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	${}^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Tetraethyl lead	---	---	---	---	---	---	---	---	---	---	---	---
Tetrahydrofuran	3.2E+02	1.6E+02	3.8E+03	---	5.6E-01	2.8E-01	5.6E+01	2.8E+01	3.2E+02	1.6E+02	7.8E+03	5.0E+02
Tetrahydropyran	3.4E+02	1.7E+02	3.8E+03	---	6.1E-01	3.0E-01	6.1E+01	3.0E+01	3.4E+02	1.7E+02	1.0E+04	6.5E+02
Thallium and compounds (as thallium chloride)	---	---	---	---	1.7E+00	8.7E-01	1.7E+02	8.7E+01	---	---	---	---
Thiofanox	---	---	---	---	---	---	---	---	---	---	---	---
Thionazin	---	---	---	---	---	---	---	---	---	---	---	---
Thiophanate-methyl	---	---	---	---	---	---	---	---	---	---	---	---
Thiram	---	---	---	---	---	---	---	---	---	---	---	---
Tin	---	---	---	---	---	---	---	---	---	---	---	---
Titanium	---	---	---	---	---	---	---	---	---	---	---	---
Toluene	---	---	---	---	8.2E+00	4.1E+00	8.2E+02	4.1E+02	---	---	---	---
Toluenediamine, 2,4-	---	---	8.9E+00	1.8E+01	3.4E-02	1.7E-02	3.4E+00	1.7E+00	---	---	---	---
Toluenediamine, 2,6-	---	---	---	---	---	---	---	---	---	---	---	---
Toluene diisocyanate, 2,4/2,6-	---	---	---	---	---	---	---	---	---	---	---	---
Toluidine, o-	2.3E+02	1.2E+02	1.2E+02	2.4E+02	8.6E-02	4.3E-02	8.6E+00	4.3E+00	2.3E+02	1.2E+02	4.5E+04	2.9E+03
Toluidine, p-	---	---	1.5E+02	3.0E+02	3.1E-02	1.6E-02	3.1E+00	1.6E+00	---	---	---	---
Toxaphene	1.6E+03	8.1E+02	2.6E+01	5.2E+01	1.2E+01	5.8E+00	1.2E+03	5.8E+02	1.6E+03	8.3E+02	1.0E+06	7.5E+05
TP Silvex, 2,4,5-	---	---	---	---	5.3E+00	2.6E+00	5.3E+02	2.6E+02	---	---	---	---
Triademenol	---	---	---	---	---	---	---	---	---	---	---	---
Triallate	---	---	---	---	---	---	---	---	---	---	---	---
Triaminotrinitrobenzene (TATB)	---	---	9.5E+02	1.9E+03	1.4E-01	7.2E-02	1.4E+01	7.2E+00	---	---	---	---
Tributyltin oxide	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzene, 1,2,3-	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorobenzene, 1,2,4-	---	---	---	---	4.8E+00	2.4E+00	4.8E+02	2.4E+02	---	---	---	---
Trichlorobenzene, 1,3,5-	---	---	---	---	---	---	---	---	---	---	---	---
Trichloroethane, 1,1,1-	---	---	---	---	1.6E+00	8.1E-01	1.6E+02	8.1E+01	---	---	---	---
Trichloroethane, 1,1,2-	3.8E+01	1.9E+01	5.0E+02	---	2.0E-02	1.0E-02	2.0E+00	1.0E+00	3.8E+01	1.9E+01	5.4E+02	3.5E+01
Trichloroethylene	3.5E+02	1.8E+02	2.6E+03	---	3.4E-02	1.7E-02	3.4E+00	1.7E+00	3.5E+02	1.8E+02	1.8E+03	1.2E+02
Trichlorofluoromethane	---	---	---	---	---	---	---	---	---	---	---	---
Trichloronate	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,3,4-	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,3,5-	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,3,6-	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,4,5-	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenol, 2,4,6-	3.3E+03	1.7E+03	2.6E+03	5.2E+03	1.3E+00	6.6E-01	1.3E+02	6.6E+01	3.3E+03	1.7E+03	5.9E+05	3.8E+04
Trichlorophenol, 3,4,5-	---	---	---	---	---	---	---	---	---	---	---	---
Trichlorophenoxyacetic acid, 2,4,5-	---	---	---	---	---	---	---	---	---	---	---	---
Trichloropropane, 1,1,2-	---	---	---	---	---	---	---	---	---	---	---	---
Trichloropropane, 1,2,3-	---	---	4.1E+00	---	5.1E-03	2.6E-03	5.1E-01	2.6E-01	---	---	---	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	---	---	---	---	---	---	---	---	---	---	---	---
Triethanolamine	---	---	---	---	---	---	---	---	---	---	---	---
Triethylamine	---	---	---	---	---	---	---	---	---	---	---	---
Triethylene glycol	---	---	---	---	---	---	---	---	---	---	---	---
Triethylphosphorothioate, O, O, O-	---	---	---	---	---	---	---	---	---	---	---	---

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Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Propham	---	---	---	---	---	---	---	---	---	---	---	---
Propionitrile (propane nitrile)	---	---	---	---	---	---	---	---	---	---	---	---
Propyl acetate, n-	---	---	---	---	---	---	---	---	---	---	---	---
Propylbenzene, n-	---	---	---	---	---	---	---	---	---	---	---	---
Propylene glycol	---	---	---	---	---	---	---	---	---	---	---	---
Propylene glycol monomethyl ether	---	---	---	---	---	---	---	---	---	---	---	---
Propylene oxide	1.6E+02	8.4E+01	1.2E+02	---	1.7E-02	8.4E-03	1.7E+00	8.4E-01	1.6E+02	8.4E+01	5.3E+03	3.4E+02
Propylene tetramer	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	---	---	---	---	---	---	---	---	---	---	---	---
Pyridine	---	---	---	---	---	---	---	---	---	---	---	---
Quinoline	---	---	9.5E+00	1.9E+01	1.7E-02	8.4E-03	1.7E+00	8.4E-01	---	---	---	---
Ronnel	---	---	---	---	---	---	---	---	---	---	---	---
Safrole	1.1E+02	5.8E+01	1.3E+02	2.6E+02	3.7E-01	1.8E-01	3.7E+01	1.8E+01	1.1E+02	5.8E+01	1.3E+04	8.1E+02
Selenium	---	---	---	---	2.3E+00	1.1E+00	2.3E+02	1.1E+02	---	---	---	---
Selenourea	---	---	---	---	---	---	---	---	---	---	---	---
Silver	---	---	---	---	---	---	---	---	---	---	---	---
Simazine	---	---	2.4E+02	4.8E+02	5.5E-02	2.8E-02	5.5E+00	2.8E+00	---	---	---	---
Sodium*	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	---	---	1.1E+02	---	---	---	---	---	---	---	---	---
Sodium polyacrylate	---	---	---	---	---	---	---	---	---	---	---	---
Strontium	---	---	---	---	---	---	---	---	---	---	---	---
Strychnine	---	---	---	---	---	---	---	---	---	---	---	---
Styrene	---	---	---	---	3.3E+00	1.6E+00	3.3E+02	1.6E+02	---	---	---	---
Sulfate*	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	---	---	---	---	---	---	---	---	---	---	---	---
Sulfur*	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	NA	NA	NA	NA	1.7E-02	8.5E-03	1.7E+00	8.5E-01	---	---	---	---
Tebuconazole	---	---	---	---	---	---	---	---	---	---	---	---
Tebuthiuron	---	---	---	---	---	---	---	---	---	---	---	---
Terbufos	---	---	---	---	---	---	---	---	---	---	---	---
Tert-amyl-methyl ether (TAME)	---	---	---	---	---	---	---	---	---	---	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorobenzene, 1,2,3,4-	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorobenzene, 1,2,3,5-	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorobenzene, 1,2,4,5-	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethane, 1,1,1,2-	1.5E+02	7.8E+01	1.1E+03	---	3.2E+00	1.6E+00	3.2E+02	1.6E+02	1.5E+02	7.8E+01	7.5E+03	4.9E+02
Tetrachloroethane, 1,1,2,2-	1.5E+01	7.7E+00	1.4E+02	---	5.2E-02	2.6E-02	5.2E+00	2.6E+00	1.5E+01	7.7E+00	3.7E+02	2.4E+01
Tetrachloroethylene (perchlorethylene)	1.0E+03	5.3E+02	5.5E+02	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	1.0E+03	5.3E+02	5.5E+03	3.6E+02
Tetrachlorophenol, 2,3,4,5-	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenol, 2,3,4,6-	---	---	---	---	---	---	---	---	---	---	---	---
Tetrachlorophenol, 2,3,5,6-	---	---	---	---	---	---	---	---	---	---	---	---
Tetradifon	---	---	---	---	---	---	---	---	---	---	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	---	---	---	---	---	---	---	---	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Pebulate	---	---	---	---	---	---	---	---	---	---	---	---
Pendimethalin	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorobenzene	---	---	---	---	---	---	---	---	---	---	---	---
Pentachloroethane	1.6E+02	8.1E+01	1.1E+03	---	7.5E-01	3.8E-01	7.5E+01	3.8E+01	1.6E+02	8.1E+01	4.8E+03	3.1E+02
Pentachloronitrobenzene	---	---	1.1E+02	2.2E+02	4.1E+00	2.1E+00	4.1E+02	2.1E+02	---	---	---	---
Pentachlorophenol	---	---	2.4E+02	1.9E+02	1.8E-02	9.2E-03	1.8E+00	9.2E-01	---	---	---	---
Pentadiene, 1,3-trans-	---	---	---	---	---	---	---	---	---	---	---	---
Pentaerythritol tetranitrate (PETN)	---	---	---	---	---	---	---	---	---	---	---	---
Pentane	---	---	---	---	---	---	---	---	---	---	---	---
Pentanediol, 1,5-	---	---	---	---	---	---	---	---	---	---	---	---
Pentanone, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Pentyne, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Perchlorate	---	---	---	---	---	---	---	---	---	---	---	---
Perylene	---	---	---	---	---	---	---	---	---	---	---	---
Phenacetin	1.8E+04	9.4E+03	1.3E+04	2.6E+04	2.8E+00	1.4E+00	2.8E+02	1.4E+02	1.8E+04	9.4E+03	1.0E+06	3.8E+05
Phenanthrene	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthridine	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---	---
Phenylene diamine, m-	---	---	---	---	---	---	---	---	---	---	---	---
Phenylene diamine, p-	---	---	---	---	---	---	---	---	---	---	---	---
Phenyl mercuric acetate	---	---	---	---	---	---	---	---	---	---	---	---
Phorate	---	---	---	---	---	---	---	---	---	---	---	---
Phosalone	---	---	---	---	---	---	---	---	---	---	---	---
Phosdrin (mevinphos)	---	---	---	---	---	---	---	---	---	---	---	---
Phosmet	---	---	---	---	---	---	---	---	---	---	---	---
Phosphine	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, total*	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	---	---	---	---	---	---	---	---	---	---	---	---
Phthalic anhydride	---	---	---	---	---	---	---	---	---	---	---	---
Picloram	---	---	---	---	9.8E-01	4.9E-01	9.8E+01	4.9E+01	---	---	---	---
Picoline, 2- (2-methylpyridine)	---	---	---	---	---	---	---	---	---	---	---	---
Polybrominated biphenyls (PBBs)	---	---	3.2E+00	6.4E+00	2.0E-02	1.0E-02	2.0E+00	1.0E+00	---	---	---	---
Polychlorinated biphenyls (PCBs)	9.1E+01	4.7E+01	1.4E+01	2.0E+01	1.1E+01	5.3E+00	1.1E+03	5.3E+02	9.1E+01	4.7E+01	1.0E+05	6.8E+03
Potassium*	---	---	---	---	---	---	---	---	---	---	---	---
Primene	---	---	---	---	---	---	---	---	---	---	---	---
Prometon (pramitol)	---	---	---	---	---	---	---	---	---	---	---	---
Pronamide	---	---	---	---	---	---	---	---	---	---	---	---
Propanal (propionaldehyde)	---	---	---	---	---	---	---	---	---	---	---	---
Propanil	---	---	---	---	---	---	---	---	---	---	---	---
Propanoic acid (propionic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Propanol, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Propargite	---	---	---	---	---	---	---	---	---	---	---	---
Propargyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---
Propazine	---	---	6.4E+02	1.3E+03	2.1E+00	1.1E+00	2.1E+02	1.1E+02	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
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Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh,VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh,VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh,V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh,V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh,V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh,V}$ 30 acre source area (mg/kg)
Naled	---	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---	---	---
Naphthoquinone, 1,4-	---	---	---	---	---	---	---	---	---	---	---	---
Naphthylamine, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Naphthylamine, 2-	---	---	1.6E+01	3.2E+01	2.9E-02	1.4E-02	2.9E+00	1.4E+00	---	---	---	---
Napropamide	---	---	---	---	---	---	---	---	---	---	---	---
Neopentyl glycol	---	---	---	---	---	---	---	---	---	---	---	---
Nickel and compounds	7.9E+04	4.1E+04	---	---	---	---	---	---	---	---	---	---
Nitrate	---	---	---	---	1.9E+01	9.6E+00	1.9E+03	9.6E+02	---	---	---	---
Nitrite	---	---	---	---	---	---	---	---	---	---	---	---
Nitroaniline, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Nitroaniline, 3-	---	---	7.5E+02	1.5E+03	1.9E-01	9.4E-02	1.9E+01	9.4E+00	---	---	---	---
Nitroaniline, 4-	---	---	7.5E+02	1.5E+03	1.3E-01	6.4E-02	1.3E+01	6.4E+00	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---	---	---
Nitroglycerin	---	---	2.0E+03	4.1E+03	8.2E-01	4.1E-01	8.2E+01	4.1E+01	---	---	---	---
Nitrophenol, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrophenol, 3-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrophenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---
Nitropropane, 2-	2.2E-01	1.1E-01	---	---	---	---	---	---	2.2E-01	1.1E-01	6.0E+00	3.9E-01
Nitroquinoline-N-oxide, 4-	3.2E+00	1.6E+00	3.0E+00	6.1E+00	5.2E-04	2.6E-04	5.2E-02	2.6E-02	3.2E+00	1.6E+00	4.5E+04	2.2E+04
Nitrosodiethanolamine, N-	---	---	1.0E+01	2.0E+01	1.5E-03	7.4E-04	1.5E-01	7.4E-02	---	---	---	---
Nitrosodiethylamine, N-	1.1E-01	5.7E-02	1.9E-01	---	2.8E-05	1.4E-05	2.8E-03	1.4E-03	1.1E-01	5.7E-02	2.5E+01	1.6E+00
Nitrosodimethylamine, N-	3.3E-01	1.7E-01	5.6E-01	---	8.3E-05	4.1E-05	8.3E-03	4.1E-03	3.3E-01	1.7E-01	7.0E+01	4.5E+00
Nitrosodi-n-butylamine, N-	1.7E+00	9.0E-01	5.3E+00	1.1E+01	4.2E-03	2.1E-03	4.2E-01	2.1E-01	1.7E+00	9.0E-01	8.8E+01	5.7E+00
Nitrosodi-n-propylamine, N-	---	---	4.1E+00	2.0E+00	7.9E-04	3.9E-04	7.9E-02	3.9E-02	---	---	---	---
Nitrosodiphenylamine, N-	---	---	5.8E+03	2.9E+03	6.3E+00	3.2E+00	6.3E+02	3.2E+02	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	---	---	1.3E+00	---	2.6E-04	1.3E-04	2.6E-02	1.3E-02	---	---	---	---
Nitrosomorpholine, N-	2.9E+00	1.5E+00	4.3E+00	8.5E+00	5.9E-04	2.9E-04	5.9E-02	2.9E-02	2.9E+00	1.5E+00	8.8E+02	5.7E+01
Nitroso-N-ethylurea, N-	---	---	2.0E-01	4.1E-01	4.7E-05	2.3E-05	4.7E-03	2.3E-03	---	---	---	---
Nitrosopiperidine, N-	2.2E+00	1.2E+00	3.0E+00	6.1E+00	4.6E-04	2.3E-04	4.6E-02	2.3E-02	2.2E+00	1.2E+00	5.9E+02	3.8E+01
Nitrosopyrrolidine, N-	9.8E+00	5.0E+00	1.4E+01	2.7E+01	1.9E-03	9.5E-04	1.9E-01	9.5E-02	9.8E+00	5.0E+00	3.1E+03	2.0E+02
Nitrotoluene, m-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrotoluene, o-	---	---	---	---	---	---	---	---	---	---	---	---
Nitrotoluene, p-	---	---	---	---	---	---	---	---	---	---	---	---
Nonachlor, cis-	2.1E+03	1.1E+03	8.2E+01	1.6E+02	2.8E+01	1.4E+01	2.8E+03	1.4E+03	2.1E+03	1.1E+03	1.0E+06	4.0E+05
Nonachlor, trans-	2.1E+03	1.1E+03	8.2E+01	1.6E+02	2.8E+01	1.4E+01	2.8E+03	1.4E+03	2.1E+03	1.1E+03	1.0E+06	4.0E+05
Nonanal	---	---	---	---	---	---	---	---	---	---	---	---
Nonylphenol	---	---	---	---	---	---	---	---	---	---	---	---
Octamethylpyrophosphoramide	---	---	---	---	---	---	---	---	---	---	---	---
Octanone	---	---	---	---	---	---	---	---	---	---	---	---
Oxamyl	---	---	---	---	4.2E-01	2.1E-01	4.2E+01	2.1E+01	---	---	---	---
Oxychlordane	2.1E+03	1.1E+03	8.2E+01	1.6E+02	2.8E+01	1.4E+01	2.8E+03	1.4E+03	2.1E+03	1.1E+03	1.0E+06	4.0E+05
Paraquat	---	---	---	---	---	---	---	---	---	---	---	---
Parathion (ethyl parathion)	---	---	---	---	---	---	---	---	---	---	---	---

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	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Mercury[3]	---	---	---	---	7.8E-03	3.9E-03	7.8E-01	3.9E-01	---	---	---	---
Methacrylic acid (2-methyl-2-propenoic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Methacrylonitrile	---	---	---	---	---	---	---	---	---	---	---	---
Methanol	---	---	---	---	---	---	---	---	---	---	---	---
Methapyrilene	---	---	6.1E+00	1.2E+01	1.2E-03	5.9E-04	1.2E-01	5.9E-02	---	---	---	---
Methomyl	---	---	---	---	---	---	---	---	---	---	---	---
Methoxychlor	---	---	---	---	1.2E+02	6.2E+01	1.2E+04	6.2E+03	---	---	---	---
Methoxyethanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acetate (acetic acid, methyl ester)	---	---	---	---	---	---	---	---	---	---	---	---
Methyl acrylate	---	---	---	---	---	---	---	---	---	---	---	---
Methyl amyl ketone (2-heptanone)	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-1-butene, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-2-butene, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Methylcholanthrene, 3-	2.5E+03	1.3E+03	1.3E+00	2.0E+00	3.4E+01	1.7E+01	3.4E+03	1.7E+03	3.0E+03	1.5E+03	1.0E+06	1.0E+06
Methyl chrysene, 1-	1.0E+06	1.0E+06	3.9E+03	6.0E+03	5.0E+04	2.5E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Methyl chrysene, 2-	1.0E+06	1.0E+06	3.9E+03	6.0E+03	5.0E+04	2.5E+04	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06
Methyl chrysene, 6-	3.6E+05	1.9E+05	3.9E+02	6.0E+02	4.0E+03	2.0E+03	4.0E+05	2.0E+05	3.9E+05	2.0E+05	1.0E+06	1.0E+06
Methyl cyclohexane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene-bis (2-chloroaniline) 4,4'-	4.5E+03	2.3E+03	2.2E+02	4.4E+02	5.0E+00	2.5E+00	5.0E+02	2.5E+02	4.5E+03	2.3E+03	1.0E+06	6.9E+05
Methylene bromide (dibromomethane)	---	---	3.8E+03	---	2.5E+00	1.3E+00	2.5E+02	1.3E+02	---	---	---	---
Methylene chloride (dichloromethane)	1.3E+03	6.6E+02	3.8E+03	---	1.3E-02	6.5E-03	1.3E+00	6.5E-01	1.3E+03	6.6E+02	5.6E+03	3.6E+02
Methyl ethyl ketone (2-butanone)	---	---	---	---	---	---	---	---	---	---	---	---
Methyl iodide (iodomethane)	---	---	---	---	---	---	---	---	---	---	---	---
Methyl isobutyl ketone (4-methyl-2-pentanone)	---	---	---	---	---	---	---	---	---	---	---	---
Methyl mercury	---	---	---	---	---	---	---	---	---	---	---	---
Methylmecury hydroxide	---	---	---	---	---	---	---	---	---	---	---	---
Methyl methacrylate	---	---	---	---	---	---	---	---	---	---	---	---
Methyl methanesulfonate	1.9E+02	9.7E+01	2.9E+02	5.8E+02	4.0E-02	2.0E-02	4.0E+00	2.0E+00	1.9E+02	9.7E+01	5.4E+04	3.5E+03
Methylnaphthalene, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Methylnaphthalene, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	---	---	8.7E+02	1.7E+03	3.2E-01	1.6E-01	3.2E+01	1.6E+01	---	---	---	---
Methyl parathion	---	---	---	---	---	---	---	---	---	---	---	---
Methyl-2-pentenal, 2-	---	---	1.5E+01	---	3.3E-03	1.6E-03	3.3E-01	1.6E-01	---	---	---	---
Methyl-1-propanal, 2- (isobutyraldehyde)	---	---	---	---	---	---	---	---	---	---	---	---
Methylpyrrolidone, N-	---	---	---	---	---	---	---	---	---	---	---	---
Methyltetrahydrofuran, 2-	3.2E+02	1.6E+02	3.8E+03	---	6.2E-01	3.1E-01	6.2E+01	3.1E+01	3.2E+02	1.6E+02	7.0E+03	4.5E+02
Methyltetrahydropyran, 2-	3.7E+02	1.9E+02	3.8E+03	---	7.3E-01	3.6E-01	7.3E+01	3.6E+01	3.7E+02	1.9E+02	9.6E+03	6.2E+02
Metolachlor	---	---	---	---	---	---	---	---	---	---	---	---
Metribuzin	---	---	---	---	---	---	---	---	---	---	---	---
Mirex	---	---	---	---	---	---	---	---	---	---	---	---
Molinate	---	---	---	---	---	---	---	---	---	---	---	---
Molybdenum	---	---	---	---	---	---	---	---	---	---	---	---
Morpholine	---	---	---	---	---	---	---	---	---	---	---	---
MTBE (methyl tert-butyl ether)	2.3E+03	1.2E+03	1.6E+04	---	2.9E+00	1.4E+00	2.9E+02	1.4E+02	2.3E+03	1.2E+03	1.7E+04	1.1E+03

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	$^{Air}Soil_{Inh,VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh,VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh,V}$[1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh,V}$[1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh,V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh,V}$ 30 acre source area (mg/kg)
Hexachlorobutadiene	4.9E+01	2.5E+01	3.7E+02	7.3E+02	7.4E+00	3.7E+00	7.4E+02	3.7E+02	4.9E+01	2.5E+01	4.2E+03	2.7E+02
Hexachlorocyclohexane, alpha (alpha-BHC)	2.3E+01	1.2E+01	4.5E+00	2.3E+01	1.8E-02	8.9E-03	1.8E+00	8.9E-01	2.3E+01	1.2E+01	1.4E+04	9.1E+02
Hexachlorocyclohexane, beta (beta-BHC)	1.2E+02	6.2E+01	1.6E+01	7.9E+01	6.5E-02	3.2E-02	6.5E+00	3.2E+00	1.2E+02	6.2E+01	1.1E+05	7.1E+03
Hexachlorocyclohexane, delta (delta-BHC)	1.7E+02	8.7E+01	1.6E+01	7.9E+01	3.9E-01	1.9E-01	3.9E+01	1.9E+01	1.7E+02	8.8E+01	2.1E+05	1.3E+04
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	---	---	2.2E+01	1.1E+02	9.2E-03	4.6E-03	9.2E-01	4.6E-01	---	---	---	---
Hexachlorocyclohexane, techn (technical-BHC)	1.5E+02	7.7E+01	1.6E+01	7.9E+01	1.1E-01	5.6E-02	1.1E+01	5.6E+00	1.5E+02	7.7E+01	1.6E+05	1.1E+04
Hexachlorocyclopentadiene (HCCPD)	---	---	---	---	1.9E+01	9.6E+00	1.9E+03	9.6E+02	---	---	---	---
Hexachloroethane	1.6E+03	8.3E+02	2.0E+03	4.1E+03	1.1E+01	5.5E+00	1.1E+03	5.5E+02	1.6E+03	8.3E+02	1.8E+05	1.2E+04
Hexachlorophene	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloropropylene	1.7E+03	8.6E+02	2.0E+03	4.1E+03	6.2E+01	3.1E+01	6.2E+03	3.1E+03	1.7E+03	8.6E+02	3.0E+05	1.9E+04
Hexane, n-	---	---	---	---	---	---	---	---	---	---	---	---
Hexanediol, 1,6-	---	---	---	---	---	---	---	---	---	---	---	---
Hexanoic acid	---	---	---	---	---	---	---	---	---	---	---	---
Hexanone, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Hexazinone	---	---	---	---	---	---	---	---	---	---	---	---
Hexylene glycol (2-methyl-2,4-pentanediol)	---	---	---	---	---	---	---	---	---	---	---	---
Hydrazine	7.8E-01	4.0E-01	9.5E+00	---	1.3E-03	6.5E-04	1.3E-01	6.5E-02	7.8E-01	4.0E-01	1.6E+02	1.1E+01
Hydrogen chloride (hydrochloric acid)*	---	---	---	---	---	---	---	---	---	---	---	---
Indene	---	---	---	---	---	---	---	---	---	---	---	---
Indeno-1,2,3-cd-pyrene	3.8E+04	2.0E+04	3.9E+01	6.0E+01	3.9E+02	1.9E+02	3.9E+04	1.9E+04	4.2E+04	2.2E+04	1.0E+06	1.0E+06
Iron*	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---
Isobutylene (2-methyl-1-propene)	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyric acid (2-methylpropanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Isodrin	2.9E+00	1.5E+00	1.7E-01	3.4E-01	3.3E+00	1.7E+00	3.3E+02	1.7E+02	2.9E+00	1.5E+00	1.6E+04	1.0E+03
Isophorone	---	---	3.0E+04	6.0E+04	6.7E+00	3.4E+00	6.7E+02	3.4E+02	---	---	---	---
Isopropyl acetate	---	---	---	---	---	---	---	---	---	---	---	---
Isopropyl alcohol	---	---	---	---	---	---	---	---	---	---	---	---
Isosafrole	1.5E+02	7.9E+01	1.3E+02	2.6E+02	2.9E-01	1.5E-01	2.9E+01	1.5E+01	1.5E+02	7.9E+01	2.2E+04	1.5E+03
Kelthane (dicofol)	---	---	---	---	---	---	---	---	---	---	---	---
Kepone (chlordecone)	8.1E+01	4.2E+01	1.8E+00	3.6E+00	1.4E-01	6.9E-02	1.4E+01	6.9E+00	8.2E+01	4.2E+01	4.3E+05	2.8E+04
Lead (inorganic)	NA	NA	NA	NA	3.0E+00	1.5E+00	3.0E+02	1.5E+02	---	---	---	---
Limonene, d-*	---	---	---	---	---	---	---	---	---	---	---	---
Lithium[2]	---	---	---	---	---	---	---	---	---	---	---	---
Magnesium*	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	---	---	---	---	---	---	---	---	---	---	---	---
Maleic anhydride	---	---	---	---	---	---	---	---	---	---	---	---
Maleic hydrazide	---	---	---	---	---	---	---	---	---	---	---	---
Malononitrile	---	---	---	---	---	---	---	---	---	---	---	---
Mancozeb	---	---	---	---	---	---	---	---	---	---	---	---
Manganese	---	---	---	---	---	---	---	---	---	---	---	---
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	---	---	---	---	---	---	---	---	---	---	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Merphos	---	---	---	---	---	---	---	---	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Ethalfluralin (sonolan)	---	---	3.2E+02	6.4E+02	5.6E+01	2.8E+01	5.6E+03	2.8E+03	---	---	---	---
Ethanol	---	---	---	---	---	---	---	---	---	---	---	---
Ethion	---	---	---	---	---	---	---	---	---	---	---	---
Ethoprop	---	---	1.0E+03	2.0E+03	3.7E+00	1.8E+00	3.7E+02	1.8E+02	---	---	---	---
Ethoxy ethanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl acetate	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl acrylate	---	---	6.0E+02	---	2.7E-01	1.3E-01	2.7E+01	1.3E+01	---	---	---	---
Ethyl benzene	---	---	---	---	7.6E+00	3.8E+00	7.6E+02	3.8E+02	---	---	---	---
Ethyl dipropylthiocarbamate, S-	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene*	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	---	---	---	---	---	---	---	---	---	---	---	---
Ethylene dibromide (dibromoethane, 1,2-)	4.4E+00	2.3E+00	3.4E-01	---	2.1E-04	1.0E-04	2.1E-02	1.0E-02	4.4E+00	2.3E+00	1.1E+02	6.8E+00
Ethylene glycol	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenimine	2.2E-01	1.1E-01	4.4E-01	---	6.3E-05	3.1E-05	6.3E-03	3.1E-03	2.2E-01	1.1E-01	4.7E+01	3.0E+00
Ethylene oxide	6.0E+00	3.1E+00	2.8E+01	---	4.0E-03	2.0E-03	4.0E-01	2.0E-01	6.0E+00	3.1E+00	1.4E+02	9.2E+00
Ethylene thiourea	---	---	2.6E+02	5.2E+02	3.6E-02	1.8E-02	3.6E+00	1.8E+00	---	---	---	---
Ethyl ether	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-1-hexanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-2-hexenal, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Ethylhexyl acrylate, 2-	---	---	6.0E+02	1.2E+03	1.7E+01	8.6E+00	1.7E+03	8.6E+02	---	---	---	---
Ethyl methacrylate	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl methanesulfonate	2.0E+02	1.0E+02	2.9E+02	5.8E+02	4.0E-02	2.0E-02	4.0E+00	2.0E+00	2.0E+02	1.0E+02	6.0E+04	3.9E+03
Ethyl-2-methyl benzene, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl-4-methyl benzene, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	---	---	---	---	---	---	---	---	---	---	---	---
Famphur	---	---	---	---	---	---	---	---	---	---	---	---
Fensulfothion	---	---	---	---	---	---	---	---	---	---	---	---
Fenthion	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	---	---	---	---	---	---	---	---	---	---	---	---
Fluorene	---	---	---	---	---	---	---	---	---	---	---	---
Fluorine (soluble fluoride)	---	---	---	---	---	---	---	---	---	---	---	---
Fluorochloridone	---	---	---	---	---	---	---	---	---	---	---	---
Fonofos	---	---	---	---	---	---	---	---	---	---	---	---
Formaldehyde	2.7E+02	1.4E+02	---	---	---	---	---	---	2.7E+02	1.4E+02	4.7E+04	3.1E+03
Formic acid	---	---	---	---	---	---	---	---	---	---	---	---
Furan	---	---	---	---	---	---	---	---	---	---	---	---
Furfural	---	---	---	---	---	---	---	---	---	---	---	---
Glycidylaldehyde	---	---	---	---	---	---	---	---	---	---	---	---
Glyphosate	---	---	---	---	1.3E+00	6.7E-01	1.3E+02	6.7E+01	---	---	---	---
Heptachlor	1.5E+01	7.9E+00	6.4E+00	1.3E+01	1.9E-01	9.4E-02	1.9E+01	9.4E+00	1.5E+01	7.9E+00	5.0E+03	3.2E+02
Heptachlor epoxide	4.0E+01	2.0E+01	3.1E+00	6.3E+00	5.8E-02	2.9E-02	5.8E+00	2.9E+00	4.0E+01	2.1E+01	5.8E+04	3.8E+03
Heptane, n-	---	---	---	---	---	---	---	---	---	---	---	---
Heptanoic acid, n-	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	3.2E+01	1.6E+01	1.8E+01	3.6E+01	1.1E+00	5.6E-01	1.1E+02	5.6E+01	3.2E+01	1.6E+01	1.1E+04	7.0E+02

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Diethylstilbestrol	---	---	6.1E-03	1.2E-02	1.3E-03	6.5E-04	1.3E-01	6.5E-02	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	---	---	---	---	---	---	---	---	---	---	---	---
Diisopropyl ether (2,2'-oxybis-propane)	---	---	---	---	---	---	---	---	---	---	---	---
Dimethenamid	---	---	---	---	---	---	---	---	---	---	---	---
Dimethoate	---	---	---	---	---	---	---	---	---	---	---	---
Dimethoxybenzidine, 3,3'-	---	---	2.0E+03	4.1E+03	6.3E-01	3.2E-01	6.3E+01	3.2E+01	---	---	---	---
Dimethylaminoazobenzene, p-	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylbenz-a-anthracene, 7,12-	2.1E+02	1.1E+02	1.1E-01	1.8E-01	2.8E+00	1.4E+00	2.8E+02	1.4E+02	2.4E+02	1.2E+02	1.0E+06	1.0E+06
Dimethylbenzidine, 3,3'-	---	---	3.1E+00	6.2E+00	2.2E-03	1.1E-03	2.2E-01	1.1E-01	---	---	---	---
Dimethylnaphthalene, 1,3-	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phenol, 2,4-	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylphenethylamine, alpha, alpha-	---	---	---	---	---	---	---	---	---	---	---	---
Dimethylphthalate	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrobenzene, 1,4-	---	---	---	---	---	---	---	---	---	---	---	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrophenol, 2,4-	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrophenol, 2,5-	---	---	---	---	---	---	---	---	---	---	---	---
Dinitrotoluene, 2,4-	---	---	4.2E+01	8.4E+01	1.2E-02	6.0E-03	1.2E+00	6.0E-01	---	---	---	---
Dinitrotoluene, 2,6-	---	---	4.2E+01	8.4E+01	1.1E-02	5.4E-03	1.1E+00	5.4E-01	---	---	---	---
Di-n-octyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---
Dinoseb	---	---	---	---	3.5E-01	1.8E-01	3.5E+01	1.8E+01	---	---	---	---
Dioxane 1,4-	---	---	2.6E+03	---	3.6E-01	1.8E-01	3.6E+01	1.8E+01	---	---	---	---
Diphenylamine	---	---	---	---	---	---	---	---	---	---	---	---
Diphenylhydrazine, 1,2-	2.4E+02	1.2E+02	3.6E+01	7.2E+01	7.2E-02	3.6E-02	7.2E+00	3.6E+00	2.4E+02	1.2E+02	1.8E+05	1.2E+04
Diphenyl oxide	---	---	---	---	---	---	---	---	---	---	---	---
Diquat	---	---	---	---	2.0E-01	1.0E-01	2.0E+01	1.0E+01	---	---	---	---
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	---	---	---	---	---	---	---	---	---	---	---
Disulfoton	---	---	---	---	---	---	---	---	---	---	---	---
Diuron	---	---	---	---	---	---	---	---	---	---	---	---
Dodecylphenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan I	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan II	---	---	---	---	---	---	---	---	---	---	---	---
Endosulfan sulfate	---	---	---	---	---	---	---	---	---	---	---	---
Endothall	---	---	---	---	5.3E-01	2.7E-01	5.3E+01	2.7E+01	---	---	---	---
Endrin	---	---	---	---	7.5E-01	3.8E-01	7.5E+01	3.8E+01	---	---	---	---
Endrin aldehyde	---	---	---	---	---	---	---	---	---	---	---	---
Endrin ketone	---	---	---	---	---	---	---	---	---	---	---	---
Epichlorohydrin	8.6E+02	4.4E+02	2.9E+03	---	4.1E-01	2.1E-01	4.1E+01	2.1E+01	8.6E+02	4.4E+02	4.6E+04	3.0E+03
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	---	---	---	---	---	---	---	---	---	---	---
Esfenvalerate	---	---	---	---	---	---	---	---	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Dibenzothiophene	---	---	---	---	---	---	---	---	---	---	---	---
Dibromochloromethane (chlorodibromomethane)	---	---	3.4E+02	---	1.1E-01	5.5E-02	1.1E+01	5.5E+00	---	---	---	---
Dibromo-3-chloropropane, 1,2-	2.3E+03	1.2E+03	2.0E+01	4.1E+01	1.7E-03	8.7E-04	1.7E-01	8.7E-02	2.3E+03	1.2E+03	7.9E+04	5.1E+03
Dibromofluoromethane	---	---	---	---	---	---	---	---	---	---	---	---
Dicamba	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,2-	---	---	---	---	1.8E+01	8.9E+00	1.8E+03	8.9E+02	---	---	---	---
Dichlorobenzene, 1,3-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorobenzene, 1,4-	---	---	1.2E+03	---	2.1E+00	1.1E+00	2.1E+02	1.1E+02	---	---	---	---
Dichlorobenzidine, 3,3-	---	---	6.4E+01	1.3E+02	1.4E-01	7.0E-02	1.4E+01	7.0E+00	---	---	---	---
Dichlorobutane, 2,3-	---	---	---	---	---	---	---	---	---	---	---	---
Dichloro-2-butene, 1,4-	5.4E-01	2.8E-01	---	---	---	---	---	---	5.4E-01	2.8E-01	1.7E+01	1.1E+00
Dichloro-2-butene, 1,4- trans	5.5E-01	2.9E-01	---	---	---	---	---	---	5.5E-01	2.9E-01	1.8E+01	1.2E+00
Dichlorodifluoromethane	---	---	---	---	---	---	---	---	---	---	---	---
Dichloroethane, 1,1-	---	---	---	---	---	---	---	---	---	---	---	---
Dichloroethane, 1,2-	2.3E+01	1.2E+01	3.1E+02	---	1.4E-02	6.9E-03	1.4E+00	6.9E-01	2.3E+01	1.2E+01	1.5E+02	9.8E+00
Dichloroethylene, 1,1-	---	---	---	---	5.0E-02	2.5E-02	5.0E+00	2.5E+00	---	---	---	---
Dichloroethylene, cis-1,2-	---	---	---	---	2.5E-01	1.2E-01	2.5E+01	1.2E+01	---	---	---	---
Dichloroethylene, trans-1,2	---	---	---	---	4.9E-01	2.5E-01	4.9E+01	2.5E+01	---	---	---	---
Dichlorophenol, 2,3-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 2,4-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 2,5-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 2,6-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 3,4-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenol, 3,5-	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	---	---	---	---	2.6E+00	1.3E+00	2.6E+02	1.3E+02	---	---	---	---
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	---	---	---	---	---	---	---	---	---	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Dichloropropane, 1,2-	---	---	4.2E+02	---	2.3E-02	1.1E-02	2.3E+00	1.1E+00	---	---	---	---
Dichloropropane, 1,3-	1.5E+02	7.7E+01	2.9E+02	---	1.4E-01	7.2E-02	1.4E+01	7.2E+00	1.5E+02	7.7E+01	3.0E+03	2.0E+02
Dichloropropane, 2,2-	---	---	4.2E+02	---	2.7E-01	1.4E-01	2.7E+01	1.4E+01	---	---	---	---
Dichloropropanol, 2,3-	---	---	---	---	---	---	---	---	---	---	---	---
Dichloropropene, 1,1-	1.5E+02	7.7E+01	2.9E+02	---	3.0E-01	1.5E-01	3.0E+01	1.5E+01	1.5E+02	7.7E+01	4.8E+02	3.1E+01
Dichloropropene, 1,3- (mixed isomers)	1.5E+02	7.7E+01	2.9E+02	---	8.8E-02	4.4E-02	8.8E+00	4.4E+00	1.5E+02	7.7E+01	1.3E+03	8.3E+01
Dichloropropene, cis 1,3-	---	---	5.3E+01	---	1.5E-02	7.4E-03	1.5E+00	7.4E-01	---	---	---	---
Dichloropropene, trans 1,3-	1.5E+02	7.7E+01	2.9E+02	---	8.0E-02	4.0E-02	8.0E+00	4.0E+00	1.5E+02	7.7E+01	1.3E+03	8.1E+01
Dichlorvos	---	---	9.9E+01	2.0E+02	1.0E+06	5.5E+05	1.0E+06	1.0E+06	---	---	---	---
Dicrotophos (bidrin)	---	---	---	---	---	---	---	---	---	---	---	---
Dicyclopentadiene	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	5.3E+01	2.7E+01	1.8E+00	3.6E+00	1.1E-01	5.5E-02	1.1E+01	5.5E+00	5.3E+01	2.7E+01	1.8E+05	1.2E+04
Diethanolamine	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---
Diethylene glycol	---	---	---	---	---	---	---	---	---	---	---	---
Diethylene glycol monobutyl ether	---	---	---	---	---	---	---	---	---	---	---	---
Diethylhexyl adipate	---	---	2.4E+04	4.8E+04	6.1E+03	3.0E+03	6.1E+05	3.0E+05	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Chloropropane, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Chloro-2-propanol, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Chlorothalonil	---	---	2.6E+03	5.2E+03	1.8E+01	9.1E+00	1.8E+03	9.1E+02	---	---	---	---
Chlorotoluene, o- (2-chlorotoluene)	---	---	---	---	---	---	---	---	---	---	---	---
Chlorotoluene, p- (4-chlorotoluene)	---	---	---	---	---	---	---	---	---	---	---	---
Chlorpyrifos	---	---	---	---	---	---	---	---	---	---	---	---
Chromium (III) (total chromium)	---	---	---	---	2.4E+03	1.2E+03	2.4E+05	1.2E+05	---	---	---	---
Chromium (VI)	3.2E+03	1.6E+03	---	---	2.8E+01	1.4E+01	2.8E+03	1.4E+03	---	---	---	---
Chrysene	9.7E+05	5.0E+05	3.9E+03	6.0E+03	3.5E+03	1.7E+03	3.5E+05	1.7E+05	9.9E+05	5.1E+05	1.0E+06	1.0E+06
Cobalt	---	---	---	---	---	---	---	---	---	---	---	---
Copolymer acrylamide	---	---	---	---	---	---	---	---	---	---	---	---
Copper	---	---	---	---	1.0E+03	5.2E+02	1.0E+05	5.2E+04	---	---	---	---
Coronene	---	---	---	---	---	---	---	---	---	---	---	---
Coumaphos	---	---	---	---	---	---	---	---	---	---	---	---
Cresol	---	---	---	---	---	---	---	---	---	---	---	---
Cresol, m- (3-methylphenol)	---	---	---	---	---	---	---	---	---	---	---	---
Cresol, o- (2-methylphenol)	---	---	---	---	---	---	---	---	---	---	---	---
Cresol, p- (4-methylphenol)	---	---	---	---	---	---	---	---	---	---	---	---
Crotonaldehyde	---	---	1.5E+01	---	2.1E-03	1.1E-03	2.1E-01	1.1E-01	---	---	---	---
Cumene (isopropylbenzene)	---	---	---	---	---	---	---	---	---	---	---	---
Cyanazine	---	---	3.4E+01	6.8E+01	9.4E-03	4.7E-03	9.4E-01	4.7E-01	---	---	---	---
Cyanide	---	---	---	---	4.0E+01	2.0E+01	4.0E+03	2.0E+03	---	---	---	---
Cyanogen	---	---	---	---	---	---	---	---	---	---	---	---
Cycloate	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexanol	---	---	---	---	---	---	---	---	---	---	---	---
Cyclohexanone	---	---	---	---	---	---	---	---	---	---	---	---
Cyclotetramethylenetetranitramine (HMX)	---	---	---	---	---	---	---	---	---	---	---	---
Cyclotrimethylenetrinitramine (RDX)	---	---	2.6E+02	5.2E+02	8.3E-02	4.1E-02	8.3E+00	4.1E+00	---	---	---	---
Cymene (isopropyltoluene)	---	---	---	---	---	---	---	---	---	---	---	---
Cymoxanil	---	---	---	---	---	---	---	---	---	---	---	---
Dacthal (DCPA)	---	---	---	---	---	---	---	---	---	---	---	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	---	---	---	5.8E-01	2.9E-01	5.8E+01	2.9E+01	---	---	---	---
DDD	---	---	1.2E+02	7.9E+02	2.9E+01	1.5E+01	2.9E+03	1.5E+03	---	---	---	---
DDE	---	---	8.4E+01	5.6E+02	2.6E+01	1.3E+01	2.6E+03	1.3E+03	---	---	---	---
DDT	2.0E+03	1.0E+03	8.4E+01	5.6E+02	3.3E+01	1.7E+01	3.3E+03	1.7E+03	2.0E+03	1.0E+03	1.0E+06	3.7E+05
Demeton	---	---	---	---	---	---	---	---	---	---	---	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	---	---	---	---	---	---	---	---	---	---	---
Diallate	---	---	4.7E+02	9.4E+02	2.6E+00	1.3E+00	2.6E+02	1.3E+02	---	---	---	---
Diazinon	---	---	---	---	---	---	---	---	---	---	---	---
Dibenz-a,h-acridine	2.4E+04	1.2E+04	2.4E+01	4.8E+01	1.3E+02	6.5E+01	1.3E+04	6.5E+03	2.6E+04	1.3E+04	1.0E+06	1.0E+06
Dibenz-a,h-anthracene	3.1E+03	1.6E+03	3.9E+00	6.0E+00	2.1E+01	1.1E+01	2.1E+03	1.1E+03	3.3E+03	1.7E+03	1.0E+06	1.0E+06
Dibenz-a,j-acridine	3.3E+04	1.7E+04	3.9E+01	6.0E+01	2.5E+02	1.3E+02	2.5E+04	1.3E+04	3.5E+04	1.8E+04	1.0E+06	1.0E+06
Dibenzofuran	---	---	---	---	---	---	---	---	---	---	---	---

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Carcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Butylbenzene, tert-	---	---	---	---	---	---	---	---	---	---	---	---
Butyl ether, n- (dibutyl ether)	---	---	---	---	---	---	---	---	---	---	---	---
Cacodylic acid	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	2.1E+04	1.1E+04	---	---	1.5E+00	7.5E-01	1.5E+02	7.5E+01	---	---	---	---
Calcium*	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	---	---	---	---	---	---	---	---	---	---	---	---
Captan	---	---	8.2E+03	1.6E+04	1.5E+02	7.5E+01	1.5E+04	7.5E+03	---	---	---	---
Carbaryl	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	---	---	1.4E+03	2.9E+03	1.0E+01	5.1E+00	1.0E+03	5.1E+02	---	---	---	---
Carbofuran	---	---	---	---	1.2E-01	6.2E-02	1.2E+01	6.2E+00	---	---	---	---
Carbon disulfide	---	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	4.0E+01	2.1E+01	2.2E+02	---	6.2E-02	3.1E-02	6.2E+00	3.1E+00	4.0E+01	2.1E+01	1.6E+02	1.1E+01
Carbophenothion	---	---	---	---	---	---	---	---	---	---	---	---
Carbosulfan	---	---	---	---	---	---	---	---	---	---	---	---
Carboxin	---	---	---	---	---	---	---	---	---	---	---	---
Chloral	---	---	---	---	---	---	---	---	---	---	---	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	---	---	---	---	---	---	---	---	---	---	---	---
Chloramben (amiben, 3-amino-2,5-dichlorobenzoic acid)	---	---	---	---	---	---	---	---	---	---	---	---
Chlordane (technical)	2.1E+03	1.1E+03	8.2E+01	4.1E+02	9.6E+00	4.8E+00	9.6E+02	4.8E+02	2.1E+03	1.1E+03	1.0E+06	4.0E+05
Chlordane, cis- (alpha chlordane)	6.8E+03	3.5E+03	8.2E+01	1.6E+02	1.7E+03	8.3E+02	1.7E+05	8.3E+04	6.9E+03	3.5E+03	1.0E+06	1.0E+06
Chlordane, gamma	1.6E+03	8.3E+02	8.2E+01	1.6E+02	9.2E+01	4.6E+01	9.2E+03	4.6E+03	1.6E+03	8.4E+02	1.0E+06	2.6E+05
Chlorfenvinphos	---	---	---	---	---	---	---	---	---	---	---	---
Chloride*	---	---	---	---	---	---	---	---	---	---	---	---
Chlorine	---	---	---	---	---	---	---	---	---	---	---	---
Chloroaniline, p-	---	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	---	---	---	---	1.1E+00	5.5E-01	1.1E+02	5.5E+01	---	---	---	---
Chlorobenzilate	5.9E+02	3.0E+02	1.1E+02	2.1E+02	2.6E-01	1.3E-01	2.6E+01	1.3E+01	5.9E+02	3.0E+02	4.0E+05	2.6E+04
Chlorobromomethane (bromochloromethane)	---	---	---	---	---	---	---	---	---	---	---	---
Chloro-1,3-butadiene, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Chlorodifluoromethane	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethanol, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	---	---	2.6E+01	---	6.5E-03	3.2E-03	6.5E-01	3.2E-01	---	---	---	---
Chloroform	2.6E+01	1.3E+01	---	---	---	---	---	---	2.6E+01	1.3E+01	1.4E+02	9.0E+00
Chlorohexane, 1-	---	---	---	---	---	---	---	---	---	---	---	---
Chloromethane (methyl chloride)	3.3E+02	1.7E+02	2.2E+03	---	9.1E-01	4.5E-01	9.1E+01	4.5E+01	3.3E+02	1.7E+02	3.5E+02	2.3E+01
Chloro-3-methylphenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	---	---	---	---	---	---	---	---	---	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	---	---	---	---	---	---	---	---	---	---	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	---	---	1.6E+03	3.2E+03	7.1E-01	3.5E-01	7.1E+01	3.5E+01	---	---	---	---
Chlorophenol, 2-	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenol, 3-	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenol, 4-	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophenyl phenylether, 4-	4.2E+00	2.2E+00	1.9E+00	3.8E+00	7.2E-02	3.6E-02	7.2E+00	3.6E+00	4.2E+00	2.2E+00	1.1E+03	7.0E+01

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)

[b]Note that much higher PCLs for mercury may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

*These compounds are not necessarily of concern from a hu standpoint, therefore calculation of human health-based val required. However, aesthetics and ecological criteria would See table entitled "Compounds for which Calculation of a I

NA = not applicable

All values capped at 1E+06

Table 7
Individual Tier 1 Soil PCLs
Commercial/Industrial

Chemical of Concern	Noncarcinogenic											
	$^{Air}Soil_{Inh-VP}$ 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-VP}$ 30 acre source area (mg/kg)	$^{Soil}Soil_{Ing}$ (mg/kg)	$^{Soil}Soil_{Derm}$ (mg/kg)	$^{GW}Soil_{Ing}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Ing}$ 30 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 0.5 acre source area (mg/kg)	$^{GW}Soil_{Class\ 3}$ 30 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 0.5 acre source area (mg/kg)	$^{Air}Soil_{Inh-V}$ [1] 30 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 0.5 acre source area (mg/kg)	$^{Air}GW\text{-}Soil_{Inh-V}$ 30 acre source area (mg/kg)
Trifluralin	2.3E+04	1.2E+04	7.7E+03	1.5E+04	3.0E+02	1.5E+02	3.0E+04	1.5E+04	2.3E+04	1.2E+04	1.0E+06	1.0E+06
Trimethylamine	2.1E+02	1.1E+02	---	---	---	---	---	---	2.1E+02	1.1E+02	6.1E+03	3.9E+02
Trimethylbenzene, 1,2,3-	1.7E+02	8.7E+01	5.1E+04	---	9.4E+01	4.7E+01	9.4E+03	4.7E+03	1.7E+02	8.7E+01	6.8E+03	4.4E+02
Trimethylbenzene, 1,2,4-	1.9E+02	9.7E+01	5.1E+04	---	1.4E+02	7.2E+01	1.4E+04	7.2E+03	1.9E+02	9.7E+01	9.0E+03	5.9E+02
Trimethylbenzene, 1,3,5-	1.6E+02	8.3E+01	5.1E+04	---	1.6E+02	7.9E+01	1.6E+04	7.9E+03	1.6E+02	8.3E+01	7.7E+03	5.0E+02
Trinitrobenzene, 1,3,5-	---	---	3.1E+04	6.1E+04	5.4E+00	2.7E+00	5.4E+02	2.7E+02	---	---	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	1.1E+02	5.5E+01	1.0E+04	2.0E+04	8.2E+00	4.1E+00	8.2E+02	4.1E+02	1.1E+02	5.5E+01	7.0E+04	1.3E+04
Trinitrotoluene, 2,4,6-	1.0E+02	5.2E+01	5.1E+02	1.0E+03	5.1E-01	2.6E-01	5.1E+01	2.6E+01	1.0E+02	5.2E+01	4.4E+04	2.8E+03
Uranium (soluble salts)	4.1E+05	2.1E+05	3.1E+03	6.1E+04	1.8E+03	8.9E+02	1.8E+05	8.9E+04	---	---	---	---
Valeric acid (pentanoic acid)	1.8E+02	9.5E+01	5.1E+05	1.0E+06	7.0E+01	3.5E+01	7.0E+03	3.5E+03	1.8E+02	9.5E+01	5.3E+04	3.4E+03
Vanadium	6.8E+04	3.5E+04	7.2E+03	3.7E+03	1.0E+04	5.1E+03	1.0E+06	5.1E+05	---	---	---	---
Vernam	---	---	1.0E+03	2.0E+03	8.2E+00	4.1E+00	8.2E+02	4.1E+02	---	---	---	---
Vinyl acetate	4.3E+03	2.2E+03	1.0E+06	---	1.6E+02	8.0E+01	1.6E+04	8.0E+03	4.3E+03	2.2E+03	4.3E+04	2.8E+03
Vinyl chloride	2.1E+03	1.1E+03	3.1E+03	---	2.2E-02	1.1E-02	2.2E+00	1.1E+00	2.1E+03	1.1E+03	2.1E+03	1.4E+02
Vinylcyclohexane	2.1E+02	1.1E+02	5.1E+05	---	4.2E+03	2.1E+03	4.2E+05	2.1E+05	2.1E+02	1.1E+02	3.6E+03	2.3E+02
Warfarin	2.5E+02	1.3E+02	3.1E+02	6.1E+02	8.4E-01	4.2E-01	8.4E+01	4.2E+01	2.5E+02	1.3E+02	2.5E+05	1.6E+04
Xylene, m-	9.3E+03	4.8E+03	1.0E+06	---	1.1E+02	5.3E+01	1.1E+04	5.3E+03	9.3E+03	4.8E+03	1.1E+05	7.2E+03
Xylene, o-	6.8E+04	3.5E+04	1.0E+06	---	7.1E+01	3.5E+01	7.1E+03	3.5E+03	6.8E+04	3.5E+04	1.0E+06	3.5E+05
Xylene, p-	9.3E+03	4.8E+03	1.0E+06	---	1.5E+02	7.5E+01	1.5E+04	7.5E+03	9.3E+03	4.8E+03	1.4E+05	9.1E+03
Xylenes	2.1E+03	1.1E+03	2.0E+05	---	1.2E+02	6.1E+01	1.2E+04	6.1E+03	2.1E+03	1.1E+03	2.9E+04	1.9E+03
Zinc	---	---	3.1E+05	1.0E+06	7.0E+03	3.5E+03	7.0E+05	3.5E+05	---	---	---	---
6 C aliphatics (TPH)	4.3E+03	2.2E+03	6.1E+04	---	5.1E+02	2.6E+02	5.1E+04	2.6E+04	4.3E+03	2.2E+03	5.2E+03	3.4E+02
>6-8 C aliphatics (TPH)	4.3E+03	2.2E+03	6.1E+04	---	1.3E+03	6.3E+02	1.3E+05	6.3E+04	4.3E+03	2.2E+03	8.5E+03	5.5E+02
>8-10 C aliphatics (TPH)	2.1E+04	1.1E+04	1.0E+05	---	1.1E+04	5.4E+03	1.0E+06	5.4E+05	2.1E+04	1.1E+04	1.4E+05	8.8E+03
>10-12 C aliphatics (TPH)	2.1E+04	1.1E+04	1.0E+05	2.0E+05	7.6E+04	3.8E+04	1.0E+06	1.0E+06	2.1E+04	1.1E+04	6.4E+05	4.1E+04
>12-16 C aliphatics (TPH)	3.4E+04	1.7E+04	1.0E+05	2.0E+05	1.0E+06	7.4E+05	1.0E+06	1.0E+06	3.4E+04	1.7E+04	1.0E+06	1.9E+05
>16-21 C aliphatics (TPH)	---	---	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	---	---	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	1.0E+06	---	---	---	---
>7-8 C aromatics (TPH)	2.1E+04	1.1E+04	1.0E+05	---	6.0E+01	3.0E+01	6.0E+03	3.0E+03	2.1E+04	1.1E+04	1.8E+05	1.2E+04
>8-10 C aromatics (TPH)	4.3E+03	2.2E+03	4.1E+04	---	1.9E+02	9.7E+01	1.9E+04	9.7E+03	4.3E+03	2.2E+03	1.6E+05	1.1E+04
>10-12 C aromatics (TPH)	9.2E+03	4.8E+03	4.1E+04	8.2E+04	3.0E+02	1.5E+02	3.0E+04	1.5E+04	9.2E+03	4.8E+03	6.1E+05	4.0E+04
>12-16 C aromatics (TPH)	2.1E+04	1.1E+04	4.1E+04	8.2E+04	5.9E+02	3.0E+02	5.9E+04	3.0E+04	2.1E+04	1.1E+04	1.0E+06	1.4E+05
>16-21 C aromatics (TPH)	---	---	3.1E+04	4.7E+04	1.4E+03	7.0E+02	1.4E+05	7.0E+04	---	---	---	---
>21-35 C aromatics (TPH)	---	---	3.1E+04	4.7E+04	1.1E+04	5.5E+03	1.0E+06	5.5E+05	---	---	---	---

Footnotes

[1]For subsurface soils only

[2]Please contact the TNRCC for assistance in determining a approach for $^{GW}Soil_{Ing}$ values for these compounds.

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Acenaphthene	---	---	---	---	1.5E+00	1.5E+02	---	---	---	---	---	---	4.4E+00	4.4E+02	---	---
Acenaphthylene	---	---	---	---	1.5E+00	1.5E+02	---	---	---	---	---	---	4.4E+00	4.4E+02	---	---
Acetaldehyde	---	---	2.8E+03	3.6E+02	2.4E+00	2.4E+02	2.4E+03	3.1E+02	---	---	4.7E+03	6.0E+02	7.3E+00	7.3E+02	3.3E+03	4.3E+02
Acetic acid*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	---	---	---	---	2.2E+01	2.2E+03	2.5E+05	3.3E+04	---	---	---	---	6.6E+01	6.6E+03	3.5E+05	4.6E+04
Acetone cyanohydrin	---	---	---	---	2.0E-02	2.0E+00	2.3E+04	2.9E+03	---	---	---	---	5.8E-02	5.8E+00	3.2E+04	4.1E+03
Acetonitrile	---	---	---	---	---	---	3.2E+04	4.2E+03	---	---	---	---	---	---	4.5E+04	5.8E+03
Acetophenone	---	---	---	---	2.4E+00	2.4E+02	1.4E+05	1.8E+04	---	---	---	---	7.3E+00	7.3E+02	1.9E+05	2.5E+04
Acetylaminofluorene, 2-	2.4E-04	2.4E-02	6.3E+02	1.0E+02	---	---	---	---	5.4E-04	5.4E-02	1.1E+03	1.8E+02	---	---	---	---
Acifluorfen, sodium	---	---	---	---	3.2E-01	3.2E+01	1.0E+06	1.0E+06	---	---	---	---	9.5E-01	9.5E+01	1.0E+06	1.0E+06
Acridine	---	---	---	---	7.3E-02	7.3E+00	---	---	---	---	---	---	2.2E-01	2.2E+01	---	---
Acrolein	---	---	---	---	1.2E-02	1.2E+00	7.0E+01	9.1E+00	---	---	---	---	3.7E-02	3.7E+00	9.8E+01	1.3E+01
Acrylamide	2.0E-04	2.0E-02	2.9E+02	3.9E+01	4.9E-03	4.9E-01	---	---	4.5E-04	4.5E-02	4.9E+02	6.5E+01	1.5E-02	1.5E+00	---	---
Acrylic acid (propenoic acid)	---	---	---	---	1.2E+01	1.2E+03	1.5E+04	2.0E+03	---	---	---	---	3.7E+01	3.7E+03	2.1E+04	2.7E+03
Acrylonitrile	1.7E-03	1.7E-01	5.8E+01	7.5E+00	2.4E-02	2.4E+00	3.4E+02	4.3E+01	3.8E-03	3.8E-01	9.7E+01	1.3E+01	7.3E-02	7.3E+00	4.7E+02	6.1E+01
Adipic acid (hexanedioic acid)	---	---	---	---	1.2E+02	1.2E+04	4.2E+05	3.1E+05	---	---	---	---	3.7E+02	3.7E+04	5.9E+05	4.3E+05
Alachlor	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	---	---
Aldicarb	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---
Aldicarb sulfone	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---
Aldrin	5.4E-05	5.4E-03	4.4E+00	5.7E-01	7.3E-04	7.3E-02	---	---	1.2E-04	1.2E-02	7.4E+00	9.6E-01	2.2E-03	2.2E-01	---	---
Allyl alcohol	---	---	---	---	1.2E-01	1.2E+01	1.4E+04	1.8E+03	---	---	---	---	3.7E-01	3.7E+01	2.0E+04	2.6E+03
Allyl chloride	---	---	---	---	2.4E-01	2.4E+01	9.1E+00	1.2E+00	---	---	---	---	7.3E-01	7.3E+01	1.3E+01	1.7E+00
Aluminum	---	---	---	---	2.4E+01	2.4E+03	---	---	---	---	---	---	7.3E+01	7.3E+03	---	---
Ametryn	---	---	---	---	2.2E-01	2.2E+01	---	---	---	---	---	---	6.6E-01	6.6E+01	---	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	1.5E-04	1.5E-02	---	---	---	---	---	---	3.4E-04	3.4E-02	---	---	---	---	---	---
Amino-2,6-dinitrotoluene, 4-	9.1E-02	9.1E+00	---	---	4.1E-03	4.1E-01	2.8E+03	3.6E+02	2.0E-01	2.0E+01	---	---	1.2E-02	1.2E+00	3.9E+03	5.1E+02
Amino-4,6-dinitrotoluene, 2-	9.1E-02	9.1E+00	---	---	4.1E-03	4.1E-01	2.8E+03	3.6E+02	2.0E-01	2.0E+01	---	---	1.2E-02	1.2E+00	3.9E+03	5.1E+02
Ammopyridine, 4-	---	---	---	---	4.9E-04	4.9E-02	4.7E+03	6.1E+02	---	---	---	---	1.5E-03	1.5E-01	6.6E+03	8.5E+02
Ammonia	---	---	---	---	---	---	2.7E+03	3.5E+02	---	---	---	---	---	---	3.8E+03	4.9E+02
Ammonium polyphosphate*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	1.6E-01	1.6E+01	---	---	1.7E-01	1.7E+01	1.1E+04	1.4E+03	3.6E-01	3.6E+01	---	---	5.1E-01	5.1E+01	1.6E+04	2.0E+03
Anthracene	---	---	---	---	7.3E+00	7.3E+02	---	---	---	---	---	---	2.2E+01	2.2E+03	---	---
Anthraquinone, 9,10-	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Antimony	6.0E-03	6.0E-01	---	---	6.0E-03	6.0E-01	---	---	6.0E-03	6.0E-01	---	---	6.0E-03	6.0E-01	---	---
Aramite	3.7E-02	3.7E+00	---	---	1.2E+00	1.2E+02	---	---	8.2E-02	8.2E+00	---	---	3.7E+00	3.7E+02	---	---
Arsenic	1.0E-02	1.0E+00	---	---	1.0E-02	1.0E+00	---	---	1.0E-02	1.0E+00	---	---	1.0E-02	1.0E+00	---	---
Arsine	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Asbestos	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	3.0E-03	3.0E-01	---	---	3.0E-03	3.0E-01	1.8E+05	2.4E+04	3.0E-03	3.0E-01	---	---	3.0E-03	3.0E-01	2.6E+05	3.3E+04
Azinphos-methyl (guthion)	---	---	---	---	3.7E-02	3.7E+00	---	---	---	---	---	---	1.1E-01	1.1E+01	---	---
Azobenzene	8.3E-03	8.3E-01	6.8E+02	8.8E+01	---	---	---	---	1.9E-02	1.9E+00	1.1E+03	1.5E+02	---	---	---	---
Barium	2.0E+00	2.0E+02	---	---	2.0E+00	2.0E+02	---	---	2.0E+00	2.0E+02	---	---	2.0E+00	2.0E+02	---	---
Bayleton	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Benefin (benfluralin)	---	---	---	---	7.3E+00	7.3E+02	---	---	---	---	---	---	2.2E+01	2.2E+03	---	---
Benomyl	---	---	---	---	1.2E+00	1.2E+02	---	---	---	---	---	---	3.7E+00	3.7E+02	---	---

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Benz-a-anthracene	1.3E-03	1.3E-01	2.0E+03	2.6E+02	---	---	---	---	2.8E-03	2.8E-01	3.4E+03	4.4E+02	---	---	---	---
Benzaldehyde	---	---	---	---	2.4E+00	2.4E+02	5.2E+03	6.7E+02	---	---	---	---	7.3E+00	7.3E+02	7.3E+03	9.4E+02
Benzene	5.0E-03	5.0E-01	5.1E+01	6.6E+00	5.0E-03	5.0E-01	5.1E+02	6.6E+01	5.0E-03	5.0E-01	8.5E+01	1.1E+01	5.0E-03	5.0E-01	7.1E+02	9.2E+01
Benzenethiol	---	---	---	---	2.4E-04	2.4E-02	4.5E+01	5.8E+00	---	---	---	---	7.3E-04	7.3E-02	6.3E+01	8.2E+00
Benzidine	4.0E-06	4.0E-04	5.0E+00	8.4E-01	7.3E-02	7.3E+00	---	---	8.9E-06	8.9E-04	8.4E+00	1.4E+00	2.2E-01	2.2E+01	---	---
Benzo-a-pyrene	2.0E-04	2.0E-02	3.9E+02	5.0E+01	2.0E-04	2.0E-02	---	---	2.0E-04	2.0E-02	6.5E+02	8.4E+01	2.0E-04	2.0E-02	---	---
Benzo-b-fluoranthene	1.3E-03	1.3E-01	1.6E+03	2.1E+02	---	---	---	---	2.8E-03	2.8E-01	2.7E+03	3.5E+02	---	---	---	---
Benzo-e-pyrene	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Benzo-g,h,i-perylene	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Benzoic acid	---	---	---	---	9.8E+01	9.8E+03	1.0E+05	1.3E+04	---	---	---	---	2.9E+02	2.9E+04	1.5E+05	1.9E+04
Benzo-k-fluoranthene	1.3E-02	1.3E+00	9.7E+04	1.3E+04	---	---	---	---	2.8E-02	2.8E+00	1.6E+05	2.1E+04	---	---	---	---
Benzotrichloride	7.0E-05	7.0E-03	---	---	---	---	8.5E+01	1.1E+01	1.6E-04	1.6E-02	---	---	---	---	1.2E+02	1.5E+01
Benzyl alcohol	---	---	---	---	7.3E+00	7.3E+02	9.1E+05	1.2E+05	---	---	---	---	2.2E+01	2.2E+03	1.0E+06	1.7E+05
Benzyl chloride	5.4E-03	5.4E-01	---	---	---	---	5.0E+02	6.5E+01	1.2E-02	1.2E+00	---	---	---	---	7.0E+02	9.1E+01
Benzyl dichloride	5.4E-03	5.4E-01	---	---	---	---	4.0E+02	5.1E+01	1.2E-02	1.2E+00	---	---	---	---	5.6E+02	7.2E+01
Beryllium	4.0E-03	4.0E-01	---	---	4.0E-03	4.0E-01	---	---	4.0E-03	4.0E-01	---	---	4.0E-03	4.0E-01	---	---
Biphenyl, 1,1-	---	---	---	---	1.2E+00	1.2E+02	2.0E+02	2.6E+01	---	---	---	---	3.7E+00	3.7E+02	2.8E+02	3.7E+01
Biquinoline, 2,2'-	---	---	---	---	7.3E-02	7.3E+00	---	---	---	---	---	---	2.2E-01	2.2E+01	---	---
Bis (2-chloroethoxy) methane	8.3E-04	8.3E-02	8.0E+01	1.0E+01	---	---	---	---	1.9E-03	1.9E-01	1.3E+02	1.7E+01	---	---	---	---
Bis (2-chloroethyl) ether	8.3E-04	8.3E-02	9.3E+01	1.2E+01	---	---	---	---	1.9E-03	1.9E-01	1.6E+02	2.0E+01	---	---	---	---
Bis (2-chloroisopropyl) ether	1.3E-02	1.3E+00	8.7E+02	1.1E+02	9.8E-01	9.8E+01	---	---	2.9E-02	2.9E+00	1.5E+03	1.9E+02	2.9E+00	2.9E+02	---	---
Bis (2-chloromethyl) ether	4.1E-06	4.1E-04	8.5E-02	1.1E-02	---	---	---	---	9.3E-06	9.3E-04	1.4E-01	1.9E-02	---	---	---	---
Bis (2-ethyl-hexyl) phthalate	6.0E-03	6.0E-01	---	---	6.0E-03	6.0E-01	---	---	6.0E-03	6.0E-01	---	---	6.0E-03	6.0E-01	---	---
Bismuth	---	---	---	---	1.2E+01	1.2E+03	---	---	---	---	---	---	3.7E+01	3.7E+03	---	---
Bisphenol A	---	---	---	---	1.2E+00	1.2E+02	1.0E+06	7.4E+05	---	---	---	---	3.7E+00	3.7E+02	1.0E+06	1.0E+06
Boron	---	---	---	---	2.2E+00	2.2E+02	---	---	---	---	---	---	6.6E+00	6.6E+02	---	---
Bromobenzene	---	---	---	---	4.9E-01	4.9E+01	3.8E+02	4.9E+01	---	---	---	---	1.5E+00	1.5E+02	5.3E+02	6.8E+01
Bromo-2-chloroethane, 1-	---	---	---	---	9.8E-01	9.8E+01	2.5E+03	3.3E+02	---	---	---	---	2.9E+00	2.9E+02	3.6E+03	4.6E+02
Bromodichloromethane[3]	1.5E-02	1.5E+00	---	---	4.9E-01	4.9E+01	---	---	3.3E-02	3.3E+00	---	---	1.5E+00	1.5E+02	---	---
Bromoform[3]	1.2E-01	1.2E+01	5.1E+03	6.7E+02	4.9E-01	4.9E+01	---	---	2.6E-01	2.6E+01	8.6E+03	1.1E+03	1.5E+00	1.5E+02	---	---
Bromomethane (methyl bromide)	---	---	---	---	3.4E-02	3.4E+00	4.6E+01	6.0E+00	---	---	---	---	1.0E-01	1.0E+01	6.4E+01	8.3E+00
Bromophenyl phenylether, 4-	6.1E-05	6.1E-03	1.6E+00	2.0E-01	---	---	---	---	1.4E-04	1.4E-02	2.7E+00	3.4E-01	---	---	---	---
Butadiene, 1,3-	---	---	8.6E-01	1.1E-01	---	---	2.2E+00	2.8E-01	---	---	1.4E+00	1.9E-01	---	---	3.1E+00	4.0E-01
Butanal (butyraldehyde)	---	---	---	---	1.5E+00	1.5E+02	1.6E+05	2.1E+04	---	---	---	---	4.4E+00	4.4E+02	2.2E+05	2.9E+04
Butanoic acid (butyric acid)	---	---	---	---	1.2E+01	1.2E+03	1.9E+04	2.5E+03	---	---	---	---	3.7E+01	3.7E+03	2.7E+04	3.4E+03
Butanol, n-	---	---	---	---	2.4E+00	2.4E+02	2.0E+05	2.6E+04	---	---	---	---	7.3E+00	7.3E+02	2.8E+05	3.6E+04
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGB	---	---	---	---	1.2E+01	1.2E+03	1.0E+06	1.0E+06	---	---	---	---	3.7E+01	3.7E+03	1.0E+06	1.0E+06
Butyl acetate	---	---	---	---	3.4E+00	3.4E+02	1.0E+04	1.3E+03	---	---	---	---	1.0E+01	1.0E+03	1.5E+04	1.9E+03
Butyl acrylate	---	---	---	---	2.2E-01	2.2E+01	7.9E+02	1.0E+02	---	---	---	---	6.6E-01	6.6E+01	1.1E+03	1.4E+02
Butyl benzyl phthalate	---	---	---	---	4.9E+00	4.9E+02	1.2E+05	1.6E+04	---	---	---	---	1.5E+01	1.5E+03	1.7E+05	2.2E+04
Butylate	---	---	---	---	1.2E+00	1.2E+02	---	---	---	---	---	---	3.7E+00	3.7E+02	---	---
Butylbenzene, n-	---	---	---	---	9.8E-01	9.8E+01	3.6E+03	4.7E+02	---	---	---	---	2.9E+00	2.9E+02	5.1E+03	6.6E+02
Butylbenzene, sec-	---	---	---	---	9.8E-01	9.8E+01	3.9E+03	5.0E+02	---	---	---	---	2.9E+00	2.9E+02	5.4E+03	7.0E+02
Butylbenzene, tert-	---	---	---	---	9.8E-01	9.8E+01	2.5E+03	3.2E+02	---	---	---	---	2.9E+00	2.9E+02	3.5E+03	4.5E+02
Butyl ether, n- (dibutyl ether)	---	---	---	---	2.4E+00	2.4E+02	5.0E+03	6.5E+02	---	---	---	---	7.3E+00	7.3E+02	7.0E+03	9.1E+02
Cacodylic acid	---	---	---	---	7.3E-02	7.3E+00	---	---	---	---	---	---	2.2E-01	2.2E+01	---	---

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Cadmium	5.0E-03	5.0E-01	---	---	5.0E-03	5.0E-01	---	---	5.0E-03	5.0E-01	---	---	5.0E-03	5.0E-01	---	---
Calcium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	---	---	---	---	1.2E+01	1.2E+03	2.4E+04	3.2E+03	---	---	---	---	3.7E+01	3.7E+03	3.4E+04	4.4E+03
Captan	2.6E-01	2.6E+01	---	---	3.2E+00	3.2E+02	5.6E+04	7.2E+03	5.8E-01	5.8E+01	---	---	9.5E+00	9.5E+02	7.8E+04	1.0E+04
Carbaryl	---	---	---	---	2.4E+00	2.4E+02	1.8E+05	2.3E+04	---	---	---	---	7.3E+00	7.3E+02	2.5E+05	3.3E+04
Carbazole	4.6E-02	4.6E+00	---	---	---	---	---	---	1.0E-01	1.0E+01	---	---	---	---	---	---
Carbofuran	4.0E-02	4.0E+00	---	---	4.0E-02	4.0E+00	3.8E+03	4.9E+02	4.0E-02	4.0E+00	---	---	4.0E-02	4.0E+00	5.3E+03	6.8E+02
Carbon disulfide	---	---	---	---	2.4E+00	2.4E+02	4.9E+03	6.3E+02	---	---	---	---	7.3E+00	7.3E+02	6.8E+03	8.8E+02
Carbon tetrachloride	5.0E-03	5.0E-01	7.9E+00	1.0E+00	5.0E-03	5.0E-01	1.0E+01	1.3E+00	5.0E-03	5.0E-01	1.3E+01	1.7E+00	5.0E-03	5.0E-01	1.4E+01	1.8E+00
Carbophenothion	---	---	---	---	3.2E-01	3.2E+01	---	---	---	---	---	---	9.5E-01	9.5E+01	---	---
Carbosulfan	---	---	---	---	2.4E-01	2.4E+01	---	---	---	---	---	---	7.3E-01	7.3E+01	---	---
Carboxin	---	---	---	---	2.4E+00	2.4E+02	---	---	---	---	---	---	7.3E+00	7.3E+02	---	---
Chloral	---	---	---	---	2.4E+00	2.4E+02	8.4E+04	1.1E+04	---	---	---	---	7.3E+00	7.3E+02	1.2E+05	1.5E+04
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	---	---	---	---	2.4E+00	2.4E+02	1.1E+05	1.5E+04	---	---	---	---	7.3E+00	7.3E+02	1.6E+05	2.2E+04
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	---	---	---	---	3.7E-01	3.7E+01	---	---	---	---	---	---	1.1E+00	1.1E+02	---	---
Chlordane (technical)	2.0E-03	2.0E-01	7.7E+02	9.9E+01	2.0E-03	2.0E-01	2.3E+03	3.0E+02	2.0E-03	2.0E-01	1.3E+03	1.7E+02	2.0E-03	2.0E-01	3.2E+03	4.2E+02
Chlordane, cis- (alpha chlordane)	2.6E-03	2.6E-01	1.5E+02	2.0E+01	1.2E-02	1.2E+00	4.6E+02	6.0E+01	5.8E-03	5.8E-01	2.6E+02	3.3E+01	3.7E-02	3.7E+00	6.5E+02	8.4E+01
Chlordane, gamma	2.6E-03	2.6E-01	1.5E+02	2.0E+01	1.2E-02	1.2E+00	4.6E+02	6.0E+01	5.8E-03	5.8E-01	2.6E+02	3.3E+01	3.7E-02	3.7E+00	6.5E+02	8.4E+01
Chlorfenvinphos	---	---	---	---	1.7E-02	1.7E+00	---	---	---	---	---	---	5.1E-02	5.1E+00	---	---
Chloride*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorine	4.0E+00	4.0E+02	---	---	4.0E+00	4.0E+02	2.2E+00	2.8E-01	4.0E+00	4.0E+02	---	---	4.0E+00	4.0E+02	3.1E+00	4.0E-01
Chloroaniline, p-	---	---	---	---	9.8E-02	9.8E+00	6.8E+04	8.8E+03	---	---	---	---	2.9E-01	2.9E+01	9.5E+04	1.2E+04
Chlorobenzene	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	1.4E+03	1.8E+02	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	1.9E+03	2.5E+02
Chlorobenzilate	3.4E-03	3.4E-01	7.0E+03	9.0E+02	4.9E-01	4.9E+01	---	---	7.6E-03	7.6E-01	1.2E+04	1.5E+03	1.5E+00	1.5E+02	---	---
Chlorobromomethane (bromochloromethane)	---	---	---	---	9.8E-01	9.8E+01	2.2E+03	2.9E+02	---	---	---	---	2.9E+00	2.9E+02	3.1E+03	4.1E+02
Chloro-1,3-butadiene, 2-	---	---	---	---	---	---	2.5E+01	3.3E+00	---	---	---	---	---	---	3.6E+01	4.6E+00
Chlorodifluoromethane	---	---	---	---	---	---	1.7E+05	2.2E+04	---	---	---	---	---	---	2.4E+05	3.1E+04
Chloroethane (ethyl chloride)	---	---	---	---	9.8E+00	9.8E+02	1.2E+05	1.5E+04	---	---	---	---	2.9E+01	2.9E+03	1.6E+05	2.1E+04
Chloroethanol, 2-	---	---	---	---	9.8E+00	9.8E+02	3.6E+04	4.6E+03	---	---	---	---	2.9E+01	2.9E+03	5.0E+04	6.5E+03
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	8.3E-04	8.3E-02	---	---	4.9E-02	4.9E+00	2.0E+01	2.5E+00	1.9E-03	1.9E-01	---	---	1.5E-01	1.5E+01	2.7E+01	3.5E+00
Chloroform[3]	---	---	2.0E+01	2.6E+00	2.4E-01	2.4E+01	1.9E+03	2.5E+02	---	---	3.3E+01	4.3E+00	7.3E-01	7.3E+01	2.7E+03	3.5E+02
Chlorohexane, 1-	---	---	---	---	9.8E-01	9.8E+01	7.3E+03	9.4E+02	---	---	---	---	2.9E+00	2.9E+02	1.0E+04	1.3E+03
Chloromethane (methyl chloride)	7.0E-02	7.0E+00	3.6E+01	4.7E+00	---	---	2.5E+02	3.2E+01	1.6E-01	1.6E+01	6.1E+01	7.9E+00	---	---	3.5E+02	4.5E+01
Chloro-3-methylphenol, 4-	---	---	---	---	1.2E-01	1.2E+01	6.0E+05	7.7E+04	---	---	---	---	3.7E-01	3.7E+01	8.4E+05	1.1E+05
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	---	---	---	2.0E+00	2.0E+02	---	---	---	---	---	---	5.8E+00	5.8E+02	---	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	---	---	---	2.0E+00	2.0E+02	---	---	---	---	---	---	5.8E+00	5.8E+02	---	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	5.1E-02	5.1E+00	---	---	---	---	---	---	1.1E-01	1.1E+01	---	---	---	---	---	---
Chlorophenol, 2-	---	---	---	---	1.2E-01	1.2E+01	6.2E+04	8.0E+03	---	---	---	---	3.7E-01	3.7E+01	8.6E+04	1.1E+04
Chlorophenol, 3-	---	---	---	---	1.2E-01	1.2E+01	5.9E+05	7.7E+04	---	---	---	---	3.7E-01	3.7E+01	8.3E+05	1.1E+05
Chlorophenol, 4-	---	---	---	---	1.2E-01	1.2E+01	5.8E+05	7.5E+04	---	---	---	---	3.7E-01	3.7E+01	8.2E+05	1.1E+05
Chlorophenyl phenylether, 4-	6.1E-05	6.1E-03	1.2E+00	1.6E-01	---	---	---	---	1.4E-04	1.4E-02	2.1E+00	2.7E-01	---	---	---	---
Chloropropane, 2-	---	---	---	---	7.3E-01	7.3E+01	4.7E+02	6.0E+01	---	---	---	---	2.2E+00	2.2E+02	6.5E+02	8.5E+01
Chloro-2-propanol, 1-	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Chlorothalonil	8.3E-02	8.3E+00	---	---	3.7E-01	3.7E+01	---	---	1.9E-01	1.9E+01	---	---	1.1E+00	1.1E+02	---	---
Chlorotoluene, o- (2-chlorotoluene)	---	---	---	---	4.9E-01	4.9E+01	7.7E+03	9.9E+02	---	---	---	---	1.5E+00	1.5E+02	1.1E+04	1.4E+03
Chlorotoluene, p- (4-chlorotoluene)	---	---	---	---	4.9E-01	4.9E+01	7.9E+00	1.0E+00	---	---	---	---	1.5E+00	1.5E+02	1.1E+01	1.4E+00

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Chlorpyrifos	---	---	---	---	7.3E-02	7.3E+00	1.6E+03	2.1E+02	---	---	---	---	2.2E-01	2.2E+01	2.2E+03	2.9E+02
Chromium (III) (total chromium)	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---
Chromium (VI)	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---
Chrysene	1.3E-01	1.3E+01	5.8E+05	7.5E+04	---	---	---	---	2.8E-01	2.8E+01	9.8E+05	1.3E+05	---	---	---	---
Cobalt	---	---	---	---	1.5E+00	1.5E+02	---	---	---	---	---	---	4.4E+00	4.4E+02	---	---
Copolymer acrylamide	---	---	---	---	4.9E-03	4.9E-01	4.8E+02	6.5E+01	---	---	---	---	1.5E-02	1.5E+00	6.8E+02	9.0E+01
Copper	1.3E+00	1.3E+02	---	---	1.3E+00	1.3E+02	---	---	1.3E+00	1.3E+02	---	---	1.3E+00	1.3E+02	---	---
Coronene	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Coumaphos	---	---	---	---	1.7E-01	1.7E+01	---	---	---	---	---	---	5.1E-01	5.1E+01	---	---
Cresol	---	---	---	---	1.2E+00	1.2E+02	1.2E+05	1.6E+04	---	---	---	---	3.7E+00	3.7E+02	1.7E+05	2.2E+04
Cresol, m- (3-methylphenol)	---	---	---	---	1.2E+00	1.2E+02	1.2E+05	1.6E+04	---	---	---	---	3.7E+00	3.7E+02	1.7E+05	2.2E+04
Cresol, o- (2-methylphenol)	---	---	---	---	1.2E+00	1.2E+02	1.0E+05	1.3E+04	---	---	---	---	3.7E+00	3.7E+02	1.4E+05	1.8E+04
Cresol, p- (4-methylphenol)	---	---	---	---	1.2E-01	1.2E+01	1.2E+05	1.5E+04	---	---	---	---	3.7E-01	3.7E+01	1.7E+05	2.1E+04
Crotonaldehyde	4.8E-04	4.8E-02	---	---	---	---	6.3E+03	8.2E+02	1.1E-03	1.1E-01	---	---	---	---	8.9E+03	1.1E+03
Cumene (isopropylbenzene)	---	---	---	---	2.4E+00	2.4E+02	4.4E+03	5.7E+02	---	---	---	---	7.3E+00	7.3E+02	6.2E+03	8.0E+02
Cyanazine	1.1E-03	1.1E-01	---	---	4.9E-02	4.9E+00	---	---	2.4E-03	2.4E-01	---	---	1.5E-01	1.5E+01	---	---
Cyanide	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---
Cyanogen	---	---	---	---	9.8E-01	9.8E+01	1.9E+02	2.5E+01	---	---	---	---	2.9E+00	2.9E+02	2.7E+02	3.5E+01
Cycloate	---	---	---	---	1.3E+00	1.3E+02	---	---	---	---	---	---	4.0E+00	4.0E+02	---	---
Cyclohexane	---	---	---	---	1.2E+02	1.2E+04	5.9E+03	7.7E+02	---	---	---	---	3.7E+02	3.7E+04	8.3E+03	1.1E+03
Cyclohexanol	---	---	---	---	1.2E+02	1.2E+04	1.0E+06	3.6E+05	---	---	---	---	3.7E+02	3.7E+04	1.0E+06	5.0E+05
Cyclohexanone	---	---	---	---	1.2E+02	1.2E+04	2.0E+05	2.6E+04	---	---	---	---	3.7E+02	3.7E+04	2.8E+05	3.6E+04
Cyclotetramethylenetetranitramine (HMX)	---	---	---	---	1.2E+00	1.2E+02	1.0E+06	1.0E+06	---	---	---	---	3.7E+00	3.7E+02	1.0E+06	1.0E+06
Cyclotrimethylenetrinitramine (RDX)	8.3E-03	8.3E-01	---	---	7.3E-02	7.3E+00	1.2E+03	1.5E+02	1.9E-02	1.9E+00	---	---	2.2E-01	2.2E+01	1.6E+03	2.1E+02
Cymene (isopropyltoluene)	---	---	---	---	2.4E+00	2.4E+02	4.6E+03	5.9E+02	---	---	---	---	7.3E+00	7.3E+02	6.4E+03	8.3E+02
Cymoxanil	---	---	---	---	3.2E-01	3.2E+01	---	---	---	---	---	---	9.5E-01	9.5E+01	---	---
Dacthal (DCPA)	---	---	---	---	2.4E-01	2.4E+01	---	---	---	---	---	---	7.3E-01	7.3E+01	---	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---
DDD	3.8E-03	3.8E-01	---	---	---	---	---	---	8.5E-03	8.5E-01	---	---	---	---	---	---
DDE	2.7E-03	2.7E-01	---	---	---	---	---	---	6.0E-03	6.0E-01	---	---	---	---	---	---
DDT	2.7E-03	2.7E-01	6.2E+02	8.1E+01	1.2E-02	1.2E+00	---	---	6.0E-03	6.0E-01	1.0E+03	1.4E+02	3.7E-02	3.7E+00	---	---
Demeton	---	---	---	---	9.8E-04	9.8E-02	---	---	---	---	---	---	2.9E-03	2.9E-01	---	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	---	---	---	9.8E-01	9.8E+01	---	---	---	---	---	---	2.9E+00	2.9E+02	---	---
Diallate	1.5E-02	1.5E+00	---	---	---	---	---	---	3.4E-02	3.4E+00	---	---	---	---	---	---
Diazinon	---	---	---	---	2.2E-02	2.2E+00	4.0E+03	5.2E+02	---	---	---	---	6.6E-02	6.6E+00	5.6E+03	7.2E+02
Dibenz-a,h-acridine	7.6E-04	7.6E-02	8.1E+03	1.1E+03	---	---	---	---	1.7E-03	1.7E-01	1.4E+04	1.8E+03	---	---	---	---
Dibenz-a,h-anthracene	2.0E-04	2.0E-02	1.0E+03	1.3E+02	---	---	---	---	2.8E-04	2.8E-02	1.8E+03	2.3E+02	---	---	---	---
Dibenz-a,j-acridine	1.3E-03	1.3E-01	1.0E+04	1.3E+03	---	---	---	---	2.8E-03	2.8E-01	1.7E+04	2.2E+03	---	---	---	---
Dibenzofuran	---	---	---	---	9.8E-02	9.8E+00	---	---	---	---	---	---	2.9E-01	2.9E+01	---	---
Dibenzothiophene	---	---	---	---	7.3E-02	7.3E+00	---	---	---	---	---	---	2.2E-01	2.2E+01	---	---
Dibromochloromethane (chlorodibromomethane)[3]	1.1E-02	1.1E+00	---	---	4.9E-01	4.9E+01	---	---	2.4E-02	2.4E+00	---	---	1.5E+00	1.5E+02	---	---
Dibromo-3-chloropropane, 1,2-	2.0E-04	2.0E-02	5.4E+03	6.9E+02	2.0E-04	2.0E-02	3.2E+01	4.1E+00	2.0E-04	2.0E-02	9.0E+03	1.2E+03	2.0E-04	2.0E-02	4.4E+01	5.7E+00
Dibromofluoromethane	---	---	---	---	4.9E+00	4.9E+02	1.3E+05	1.7E+04	---	---	---	---	1.5E+01	1.5E+03	1.8E+05	2.4E+04
Dicamba	---	---	---	---	7.3E-01	7.3E+01	3.0E+05	3.9E+04	---	---	---	---	2.2E+00	2.2E+02	4.2E+05	5.5E+04
Dichlorobenzene, 1,2-	6.0E-01	6.0E+01	---	---	6.0E-01	6.0E+01	1.2E+03	1.5E+02	6.0E-01	6.0E+01	---	---	6.0E-01	6.0E+01	1.6E+03	2.1E+02
Dichlorobenzene, 1,3-	---	---	---	---	7.3E-01	7.3E+01	1.9E+02	2.5E+01	---	---	---	---	2.2E+00	2.2E+02	2.7E+02	3.4E+01

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Dichlorobenzene, 1,4-	7.5E-02	7.5E+00	---	---	7.5E-02	7.5E+00	2.6E+04	3.4E+03	7.5E-02	7.5E+00	---	---	7.5E-02	7.5E+00	3.7E+04	4.7E+03
Dichlorobenzidine, 3,3-	2.0E-03	2.0E-01	---	---	---	---	---	---	4.5E-03	4.5E-01	---	---	---	---	---	---
Dichlorobutane, 2,3-	---	---	---	---	2.4E-01	2.4E+01	1.4E+02	1.9E+01	---	---	---	---	7.3E-01	7.3E+01	2.0E+02	2.6E+01
Dichloro-2-butene, 1,4-	---	---	1.1E+00	1.4E-01	---	---	---	---	---	---	1.8E+00	2.4E-01	---	---	---	---
Dichloro-2-butene, 1,4- trans	---	---	1.1E+00	1.4E-01	---	---	---	---	---	---	1.8E+00	2.3E-01	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	4.9E+00	4.9E+02	3.0E+03	3.8E+02	---	---	---	---	1.5E+01	1.5E+03	4.2E+03	5.4E+02
Dichloroethane, 1,1-	---	---	---	---	2.4E+00	2.4E+02	7.2E+03	9.3E+02	---	---	---	---	7.3E+00	7.3E+02	1.0E+04	1.3E+03
Dichloroethane, 1,2-	5.0E-03	5.0E-01	3.3E+01	4.3E+00	5.0E-03	5.0E-01	8.9E+04	1.2E+04	5.0E-03	5.0E-01	5.5E+01	7.2E+00	5.0E-03	5.0E-01	1.2E+05	1.6E+04
Dichloroethylene, 1,1-	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	9.8E+02	1.3E+02	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	1.4E+03	1.8E+02
Dichloroethylene, cis-1,2-	7.0E-02	7.0E+00	---	---	7.0E-02	7.0E+00	1.6E+04	2.1E+03	7.0E-02	7.0E+00	---	---	7.0E-02	7.0E+00	2.3E+04	2.9E+03
Dichloroethylene, trans-1,2	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	1.0E+04	1.3E+03	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	1.4E+04	1.8E+03
Dichlorophenol, 2,3-	---	---	---	---	7.3E-02	7.3E+00	1.0E+06	1.4E+05	---	---	---	---	2.2E-01	2.2E+01	1.0E+06	2.0E+05
Dichlorophenol, 2,4-	---	---	---	---	7.3E-02	7.3E+00	5.4E+05	7.0E+04	---	---	---	---	2.2E-01	2.2E+01	7.6E+05	9.8E+04
Dichlorophenol, 2,5-	---	---	---	---	7.3E-02	7.3E+00	1.0E+06	1.4E+05	---	---	---	---	2.2E-01	2.2E+01	1.0E+06	2.0E+05
Dichlorophenol, 2,6-	---	---	---	---	2.4E-02	2.4E+00	3.7E+05	4.7E+04	---	---	---	---	7.3E-02	7.3E+00	5.1E+05	6.6E+04
Dichlorophenol, 3,4-	---	---	---	---	7.3E-02	7.3E+00	1.0E+06	1.6E+05	---	---	---	---	2.2E-01	2.2E+01	1.0E+06	2.3E+05
Dichlorophenol, 3,5-	---	---	---	---	7.3E-02	7.3E+00	1.0E+06	1.6E+05	---	---	---	---	2.2E-01	2.2E+01	1.0E+06	2.2E+05
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	7.0E-02	7.0E+00	---	---	7.0E-02	7.0E+00	3.2E+04	4.2E+03	7.0E-02	7.0E+00	---	---	7.0E-02	7.0E+00	4.4E+04	5.9E+03
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	---	---	---	2.0E-01	2.0E+01	---	---	---	---	---	---	5.8E-01	5.8E+01	---	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	---	---	---	2.4E-01	2.4E+01	---	---	---	---	---	---	7.3E-01	7.3E+01	---	---
Dichloropropane, 1,2-	5.0E-03	5.0E-01	---	---	5.0E-03	5.0E-01	1.2E+02	1.5E+01	5.0E-03	5.0E-01	---	---	5.0E-03	5.0E-01	1.6E+02	2.1E+01
Dichloropropane, 1,3-	9.1E-03	9.1E-01	2.5E+02	3.3E+01	7.3E-01	7.3E+01	8.7E+02	1.1E+02	2.0E-02	2.0E+00	4.3E+02	5.5E+01	2.2E+00	2.2E+02	1.2E+03	1.6E+02
Dichloropropane, 2,2-	1.3E-02	1.3E+00	---	---	2.2E+00	2.2E+02	5.7E+01	7.3E+00	3.0E-02	3.0E+00	---	---	6.6E+00	6.6E+02	7.9E+01	1.0E+01
Dichloropropanol, 2,3-	---	---	---	---	7.3E-02	7.3E+00	---	---	---	---	---	---	2.2E-01	2.2E+01	---	---
Dichloropropene, 1,1-	9.1E-03	9.1E-01	1.9E+01	2.5E+00	7.3E-01	7.3E+01	6.6E+01	8.5E+00	2.0E-02	2.0E+00	3.2E+01	4.2E+00	2.2E+00	2.2E+02	9.2E+01	1.2E+01
Dichloropropene, 1,3- (mixed isomers)	9.1E-03	9.1E-01	1.8E+02	2.3E+01	7.3E-01	7.3E+01	6.1E+02	7.9E+01	2.0E-02	2.0E+00	3.0E+02	3.8E+01	2.2E+00	2.2E+02	8.5E+02	1.1E+02
Dichloropropene, cis 1,3-	1.7E-03	1.7E-01	---	---	2.4E-03	2.4E-01	2.3E+02	3.0E+01	3.8E-03	3.8E-01	---	---	7.3E-03	7.3E-01	3.2E+02	4.2E+01
Dichloropropene, trans 1,3-	9.1E-03	9.1E-01	1.9E+02	2.5E+01	7.3E-01	7.3E+01	6.5E+02	8.4E+01	2.0E-02	2.0E+00	3.2E+02	4.1E+01	2.2E+00	2.2E+02	9.1E+02	1.2E+02
Dichlorvos	3.1E-03	3.1E-01	---	---	1.2E-02	1.2E+00	1.0E+04	1.3E+03	7.0E-03	7.0E-01	---	---	3.7E-02	3.7E+00	1.4E+04	1.8E+03
Dicrotophos (bidrin)	---	---	---	---	2.4E-03	2.4E-01	---	---	---	---	---	---	7.3E-03	7.3E-01	---	---
Dicyclopentadiene	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Dieldrin	5.7E-05	5.7E-03	1.3E+02	1.6E+01	1.2E-03	1.2E-01	---	---	1.3E-04	1.3E-02	2.1E+02	2.8E+01	3.7E-03	3.7E-01	---	---
Diethanolamine	---	---	---	---	1.2E-02	1.2E+00	1.5E+05	1.2E+05	---	---	---	---	3.7E-02	3.7E+00	2.2E+05	1.6E+05
Diethyl phthalate	---	---	---	---	2.0E+01	2.0E+03	1.4E+05	1.8E+04	---	---	---	---	5.8E+01	5.8E+03	1.9E+05	2.5E+04
Diethylene glycol	---	---	---	---	4.9E+01	4.9E+03	---	---	---	---	---	---	1.5E+02	1.5E+04	---	---
Diethylene glycol monobutyl ether	---	---	---	---	2.2E+00	2.2E+02	6.4E+05	8.3E+04	---	---	---	---	6.6E+00	6.6E+02	9.0E+05	1.2E+05
Diethylhexyl adipate	4.0E-01	4.0E+01	---	---	4.0E-01	4.0E+01	1.7E+03	2.1E+02	4.0E-01	4.0E+01	---	---	4.0E-01	4.0E+01	2.3E+03	3.0E+02
Diethylstilbestrol	1.9E-07	1.9E-05	---	---	---	---	---	---	4.3E-07	4.3E-05	---	---	---	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	---	---	---	---	1.5E+00	1.5E+02	2.3E+01	3.0E+00	---	---	---	---	4.4E+00	4.4E+02	3.2E+01	4.2E+00
Diisopropyl ether (2,2'-oxybis-propane)	---	---	---	---	2.4E+00	2.4E+02	2.8E+04	3.6E+03	---	---	---	---	7.3E+00	7.3E+02	3.9E+04	5.0E+03
Dimethenamid	---	---	---	---	3.7E-01	3.7E+01	---	---	---	---	---	---	1.1E+00	1.1E+02	---	---
Dimethoate	---	---	---	---	4.9E-03	4.9E-01	---	---	---	---	---	---	1.5E-02	1.5E+00	---	---
Dimethoxybenzidine, 3,3'-	6.5E-02	6.5E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---	---	---	---	---
Dimethylaminoazobenzene, p-	---	---	---	---	2.4E-04	2.4E-02	---	---	---	---	---	---	7.3E-04	7.3E-02	---	---
Dimethylbenz-a-anthracene, 7,12-	3.7E-06	3.7E-04	3.3E+01	4.3E+00	---	---	---	---	8.2E-06	8.2E-04	5.5E+01	7.2E+00	---	---	---	---
Dimethylbenzidine, 3,3'-	9.9E-05	9.9E-03	---	---	---	---	---	---	2.2E-04	2.2E-02	---	---	---	---	---	---

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Dimethylnaphthalene, 1,3-	---	---	---	---	9.8E-01	9.8E+01	---	---	---	---	---	---	2.9E+00	2.9E+02	---	---
Dimethyl phenol, 2,4-	---	---	---	---	4.9E-01	4.9E+01	1.6E+05	2.1E+04	---	---	---	---	1.5E+00	1.5E+02	2.3E+05	3.0E+04
Dimethylphenethylamine, alpha, alpha-	---	---	---	---	4.9E-02	4.9E+00	1.0E+06	9.4E+05	---	---	---	---	1.5E-01	1.5E+01	1.0E+06	1.0E+06
Dimethylphthalate	---	---	---	---	2.0E+01	2.0E+03	1.1E+05	1.4E+04	---	---	---	---	5.8E+01	5.8E+03	1.5E+05	1.9E+04
Di-n-butyl phthalate	---	---	---	---	2.4E+00	2.4E+02	7.2E+04	9.3E+03	---	---	---	---	7.3E+00	7.3E+02	1.0E+05	1.3E+04
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	---	---	---	---	2.4E-03	2.4E-01	1.9E+04	2.5E+03	---	---	---	---	7.3E-03	7.3E-01	2.7E+04	3.4E+03
Dinitrobenzene, 1,4-	---	---	---	---	9.8E-03	9.8E-01	2.6E+04	3.4E+03	---	---	---	---	2.9E-02	2.9E+00	3.6E+04	4.7E+03
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	---	---	---	---	4.9E-02	4.9E+00	8.4E+03	1.1E+03	---	---	---	---	1.5E-01	1.5E+01	1.2E+04	1.5E+03
Dinitrophenol, 2,4-	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Dinitrophenol, 2,5-	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Dinitrotoluene, 2,4-	1.3E-03	1.3E-01	---	---	4.9E-02	4.9E+00	1.2E+03	1.6E+02	3.0E-03	3.0E-01	---	---	1.5E-01	1.5E+01	1.7E+03	2.2E+02
Dinitrotoluene, 2,6-	1.3E-03	1.3E-01	---	---	2.4E-02	2.4E+00	3.1E+03	4.1E+02	3.0E-03	3.0E-01	---	---	7.3E-02	7.3E+00	4.4E+03	5.7E+02
Di-n-octyl phthalate	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Dinoseb	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---	7.0E-03	7.0E-01	---	---
Dioxane 1,4-	8.3E-02	8.3E+00	---	---	---	---	1.5E+05	1.9E+04	1.9E-01	1.9E+01	---	---	---	---	2.1E+05	2.7E+04
Diphenylamine	---	---	---	---	6.1E-01	6.1E+01	5.6E+04	7.2E+03	---	---	---	---	1.8E+00	1.8E+02	7.8E+04	1.0E+04
Diphenylhydrazine, 1,2-	1.1E-03	1.1E-01	3.8E+03	4.9E+02	---	---	---	---	2.6E-03	2.6E-01	6.4E+03	8.3E+02	---	---	---	---
Diphenyl oxide	---	---	---	---	1.5E-01	1.5E+01	9.0E+02	1.2E+02	---	---	---	---	4.5E-01	4.5E+01	1.3E+03	1.6E+02
Diquat	2.0E-02	2.0E+00	---	---	2.0E-02	2.0E+00	4.2E+04	3.9E+04	2.0E-02	2.0E+00	---	---	2.0E-02	2.0E+00	5.9E+04	5.5E+04
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	---	---	---	2.4E-01	2.4E+01	---	---	---	---	---	---	7.3E-01	7.3E+01	---	---
Disulfoton	---	---	---	---	9.8E-04	9.8E-02	3.5E+02	4.5E+01	---	---	---	---	2.9E-03	2.9E-01	4.9E+02	6.3E+01
Diuron	---	---	---	---	4.9E-02	4.9E+00	3.9E+05	5.0E+04	---	---	---	---	1.5E-01	1.5E+01	5.4E+05	7.0E+04
Dodecylphenol, 4-	---	---	---	---	1.2E+00	1.2E+02	6.4E+05	8.2E+04	---	---	---	---	3.7E+00	3.7E+02	8.9E+05	1.2E+05
Endosulfan	---	---	---	---	1.5E-01	1.5E+01	1.2E+03	1.5E+02	---	---	---	---	4.4E-01	4.4E+01	1.6E+03	2.1E+02
Endosulfan I	---	---	---	---	4.9E-02	4.9E+00	9.1E+02	1.2E+02	---	---	---	---	1.5E-01	1.5E+01	1.3E+03	1.6E+02
Endosulfan II	---	---	---	---	1.5E-01	1.5E+01	---	---	---	---	---	---	4.4E-01	4.4E+01	---	---
Endosulfan sulfate	---	---	---	---	1.5E-01	1.5E+01	---	---	---	---	---	---	4.4E-01	4.4E+01	---	---
Endothall	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	---	---
Endrin	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	3.3E+03	4.2E+02	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	4.6E+03	5.9E+02
Endrin aldehyde	---	---	---	---	7.3E-03	7.3E-01	---	---	---	---	---	---	2.2E-02	2.2E+00	---	---
Endrin ketone	---	---	---	---	7.3E-03	7.3E-01	2.8E+03	3.6E+02	---	---	---	---	2.2E-02	2.2E+00	3.9E+03	5.1E+02
Epichlorohydrin	9.2E-02	9.2E+00	1.4E+04	1.8E+03	4.9E-02	4.9E+00	7.1E+02	9.1E+01	2.1E-01	2.1E+01	2.3E+04	3.0E+03	1.5E-01	1.5E+01	9.9E+02	1.3E+02
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	---	---	---	2.4E-04	2.4E-02	---	---	---	---	---	---	7.3E-04	7.3E-02	---	---
Esfenvalerate	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Ethalfluralin (sonolan)	1.0E-02	1.0E+00	---	---	9.8E-01	9.8E+01	---	---	2.3E-02	2.3E+00	---	---	2.9E+00	2.9E+02	---	---
Ethanol	---	---	---	---	8.1E+02	8.1E+04	1.0E+06	5.6E+05	---	---	---	---	2.4E+03	2.4E+05	1.0E+06	7.8E+05
Ethion	---	---	---	---	1.2E-02	1.2E+00	1.2E+04	1.5E+03	---	---	---	---	3.7E-02	3.7E+00	1.7E+04	2.2E+03
Ethoprop	3.2E-02	3.2E+00	---	---	2.4E-03	2.4E-01	---	---	7.3E-02	7.3E+00	---	---	7.3E-03	7.3E-01	---	---
Ethoxy ethanol, 2-	---	---	---	---	9.8E+00	9.8E+02	4.9E+02	6.4E+01	---	---	---	---	2.9E+01	2.9E+03	6.9E+02	9.0E+01
Ethyl acetate	---	---	---	---	2.2E+01	2.2E+03	3.3E+05	4.3E+04	---	---	---	---	6.6E+01	6.6E+03	4.7E+05	6.0E+04
Ethyl acrylate	1.9E-02	1.9E+00	---	---	---	---	2.2E+03	2.8E+02	4.3E-02	4.3E+00	---	---	---	---	3.1E+03	4.0E+02
Ethyl benzene	7.0E-01	7.0E+01	---	---	7.0E-01	7.0E+01	1.6E+04	2.0E+03	7.0E-01	7.0E+01	---	---	7.0E-01	7.0E+01	2.2E+04	2.8E+03
Ethyl dipropylthiocarbamate, S-	---	---	---	---	6.1E-01	6.1E+01	---	---	---	---	---	---	1.8E+00	1.8E+02	---	---
Ethylene*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	---	---	---	---	4.9E-01	4.9E+01	4.6E+05	5.9E+04	---	---	---	---	1.5E+00	1.5E+02	6.4E+05	8.3E+04

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Ethylene dibromide (dibromoethane, 1,2-)	5.0E-05	5.0E-03	1.5E+01	2.0E+00	5.0E-05	5.0E-03	2.9E+01	3.7E+00	5.0E-05	5.0E-03	2.6E+01	3.3E+00	5.0E-05	5.0E-03	4.0E+01	5.2E+00
Ethylene glycol	---	---	---	---	4.9E+01	4.9E+03	4.1E+05	5.3E+04	---	---	---	---	1.5E+02	1.5E+04	5.8E+05	7.5E+04
Ethylenimine	1.4E-05	1.4E-03	1.4E+01	1.8E+00	---	---	---	---	3.1E-05	3.1E-03	2.3E+01	3.0E+00	---	---	---	---
Ethylene oxide	8.9E-04	8.9E-02	4.2E+01	5.4E+00	---	---	---	---	2.0E-03	2.0E-01	7.0E+01	9.1E+00	---	---	---	---
Ethylene thiourea	8.3E-03	8.3E-01	---	---	2.0E-03	2.0E-01	5.4E+04	7.0E+03	1.9E-02	1.9E+00	---	---	5.8E-03	5.8E-01	7.5E+04	9.7E+03
Ethyl ether	---	---	---	---	4.9E+00	4.9E+02	8.4E+04	1.1E+04	---	---	---	---	1.5E+01	1.5E+03	1.2E+05	1.5E+04
Ethyl-1-hexanol, 2-	---	---	---	---	3.7E+00	3.7E+02	2.6E+05	3.3E+04	---	---	---	---	1.1E+01	1.1E+03	3.6E+05	4.7E+04
Ethyl-2-hexenal, 2-	---	---	---	---	3.7E+00	3.7E+02	1.9E+04	2.4E+03	---	---	---	---	1.1E+01	1.1E+03	2.6E+04	3.4E+03
Ethylhexyl acrylate, 2-	1.9E-02	1.9E+00	---	---	---	---	1.3E+03	1.7E+02	4.3E-02	4.3E+00	---	---	---	---	1.9E+03	2.4E+02
Ethyl methacrylate	---	---	---	---	2.2E+00	2.2E+02	9.5E+04	1.2E+04	---	---	---	---	6.6E+00	6.6E+02	1.3E+05	1.7E+04
Ethyl methanesulfonate	9.2E-03	9.2E-01	1.9E+04	2.4E+03	---	---	---	---	2.1E-02	2.1E+00	3.1E+04	4.0E+03	---	---	---	---
Ethyl-2-methyl benzene, 1-	---	---	---	---	4.9E+00	4.9E+02	9.2E+03	1.2E+03	---	---	---	---	1.5E+01	1.5E+03	1.3E+04	1.7E+03
Ethyl-4-methyl benzene, 1-	---	---	---	---	4.9E+00	4.9E+02	7.0E+03	9.0E+02	---	---	---	---	1.5E+01	1.5E+03	9.7E+03	1.3E+03
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	---	---	---	---	2.4E-02	2.4E+00	1.1E+04	1.4E+03	---	---	---	---	7.3E-02	7.3E+00	1.5E+04	2.0E+03
Famphur	---	---	---	---	7.3E-04	7.3E-02	5.4E+04	2.1E+04	---	---	---	---	2.2E-03	2.2E-01	7.6E+04	2.9E+04
Fensulfothion	---	---	---	---	2.4E-02	2.4E+00	---	---	---	---	---	---	7.3E-02	7.3E+00	---	---
Fenthion	---	---	---	---	1.7E-03	1.7E-01	---	---	---	---	---	---	5.1E-03	5.1E-01	---	---
Fluoranthene	---	---	---	---	9.8E-01	9.8E+01	---	---	---	---	---	---	2.9E+00	2.9E+02	---	---
Fluorene	---	---	---	---	9.8E-01	9.8E+01	---	---	---	---	---	---	2.9E+00	2.9E+02	---	---
Fluorine (soluble fluoride)	4.0E+00	4.0E+02	---	---	4.0E+00	4.0E+02	---	---	4.0E+00	4.0E+02	---	---	4.0E+00	4.0E+02	---	---
Fluorochloridone	---	---	---	---	1.8E-01	1.8E+01	3.7E+05	4.8E+04	---	---	---	---	5.5E-01	5.5E+01	5.2E+05	6.8E+04
Fonofos	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Formaldehyde	---	---	1.4E+04	1.8E+03	4.9E+00	4.9E+02	7.7E+04	9.9E+03	---	---	2.4E+04	3.1E+03	1.5E+01	1.5E+03	1.1E+05	1.4E+04
Formic acid	---	---	---	---	4.9E+01	4.9E+03	5.5E+04	7.1E+03	---	---	---	---	1.5E+02	1.5E+04	7.7E+04	9.9E+03
Furan	---	---	---	---	2.4E-02	2.4E+00	4.0E+02	5.2E+01	---	---	---	---	7.3E-02	7.3E+00	5.6E+02	7.3E+01
Furfural	---	---	---	---	7.3E-02	7.3E+00	4.3E+04	5.6E+03	---	---	---	---	2.2E-01	2.2E+01	6.0E+04	7.8E+03
Glycidylaldehyde	---	---	---	---	9.8E-03	9.8E-01	1.4E+04	1.9E+03	---	---	---	---	2.9E-02	2.9E+00	2.0E+04	2.6E+03
Glyphosate	7.0E-01	7.0E+01	---	---	7.0E-01	7.0E+01	---	---	7.0E-01	7.0E+01	---	---	7.0E-01	7.0E+01	---	---
Heptachlor	4.0E-04	4.0E-02	6.3E+00	8.1E-01	4.0E-04	4.0E-02	---	---	4.0E-04	4.0E-02	1.1E+01	1.4E+00	4.0E-04	4.0E-02	---	---
Heptachlor epoxide	2.0E-04	2.0E-02	1.2E+02	1.5E+01	2.0E-04	2.0E-02	---	---	2.0E-04	2.0E-02	2.0E+02	2.6E+01	2.0E-04	2.0E-02	---	---
Heptane, n-	---	---	---	---	1.5E+00	1.5E+02	1.7E+03	2.2E+02	---	---	---	---	4.4E+00	4.4E+02	2.4E+03	3.1E+02
Heptanoic acid, n-	---	---	---	---	1.2E+01	1.2E+03	1.7E+04	2.1E+03	---	---	---	---	3.7E+01	3.7E+03	2.3E+04	3.0E+03
Hexachlorobenzene	1.0E-03	1.0E-01	5.7E+00	7.4E-01	1.0E-03	1.0E-01	---	---	1.0E-03	1.0E-01	9.6E+00	1.2E+00	1.0E-03	1.0E-01	---	---
Hexachlorobutadiene	1.2E-02	1.2E+00	8.9E+00	1.1E+00	4.9E-03	4.9E-01	---	---	2.6E-02	2.6E+00	1.5E+01	1.9E+00	1.5E-02	1.5E+00	---	---
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E-04	1.4E-02	1.5E+02	2.0E+01	2.0E-01	2.0E+01	---	---	3.2E-04	3.2E-02	2.6E+02	3.3E+01	5.8E-01	5.8E+01	---	---
Hexachlorocyclohexane, beta (beta-BHC)	5.1E-04	5.1E-02	1.1E+03	1.5E+02	---	---	---	---	1.1E-03	1.1E-01	1.9E+03	2.5E+02	---	---	---	---
Hexachlorocyclohexane, delta (delta-BHC)	5.1E-04	5.1E-02	3.6E+02	4.7E+01	7.3E-03	7.3E-01	---	---	1.1E-03	1.1E-01	6.1E+02	7.9E+01	2.2E-02	2.2E+00	---	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	2.0E-04	2.0E-02	---	---	2.0E-04	2.0E-02	8.3E+03	1.1E+03	2.0E-04	2.0E-02	---	---	2.0E-04	2.0E-02	1.2E+04	1.5E+03
Hexachlorocyclohexane, techn (technical-BHC)	5.1E-04	5.1E-02	9.9E+02	1.3E+02	---	---	---	---	1.1E-03	1.1E-01	1.7E+03	2.2E+02	---	---	---	---
Hexachlorocyclopentadiene (HCCPD)	5.0E-02	5.0E+00	---	---	5.0E-02	5.0E+00	5.4E+00	7.0E-01	5.0E-02	5.0E+00	---	---	5.0E-02	5.0E+00	7.6E+00	9.8E-01
Hexachloroethane	6.5E-02	6.5E+00	1.4E+03	1.8E+02	2.4E-02	2.4E+00	---	---	1.5E-01	1.5E+01	2.4E+03	3.1E+02	7.3E-02	7.3E+00	---	---
Hexachlorophene	---	---	---	---	7.3E-03	7.3E-01	---	---	---	---	---	---	2.2E-02	2.2E+00	---	---
Hexachloropropylene	6.5E-02	6.5E+00	4.2E+02	5.4E+01	2.4E-02	2.4E+00	---	---	1.5E-01	1.5E+01	7.0E+02	9.1E+01	7.3E-02	7.3E+00	---	---
Hexane, n-	---	---	---	---	1.5E+00	1.5E+02	1.1E+01	1.5E+00	---	---	---	---	4.4E+00	4.4E+02	1.6E+01	2.1E+00
Hexanediol, 1,6-	---	---	---	---	1.2E+02	1.2E+04	1.0E+06	1.0E+06	---	---	---	---	3.7E+02	3.7E+04	1.0E+06	1.0E+06
Hexanoic acid	---	---	---	---	1.2E+01	1.2E+03	2.1E+04	2.7E+03	---	---	---	---	3.7E+01	3.7E+03	3.0E+04	3.8E+03

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Hexanone, 2-	---	---	---	---	1.5E+00	1.5E+02	1.5E+03	2.0E+02	---	---	---	---	4.4E+00	4.4E+02	2.1E+03	2.8E+02
Hexazinone	---	---	---	---	8.1E-01	8.1E+01	2.6E+05	8.6E+04	---	---	---	---	2.4E+00	2.4E+02	3.6E+05	1.2E+05
Hexylene glycol (2-methyl-2,4-pentanediol)	---	---	---	---	7.3E+00	7.3E+02	3.9E+03	5.1E+02	---	---	---	---	2.2E+01	2.2E+03	5.5E+03	7.1E+02
Hydrazine	3.0E-04	3.0E-02	5.1E+01	6.7E+00	---	---	---	---	6.8E-04	6.8E-02	8.6E+01	1.1E+01	---	---	---	---
Hydrogen chloride (hydrochloric acid)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	---	---	---	---	4.9E-01	4.9E+01	2.7E+02	3.5E+01	---	---	---	---	1.5E+00	1.5E+02	3.8E+02	5.0E+01
Indeno-1,2,3-cd-pyrene	1.3E-03	1.3E-01	9.4E+03	1.2E+03	---	---	---	---	2.8E-03	2.8E-01	1.6E+04	2.0E+03	---	---	---	---
Iron*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Isobutyl alcohol	---	---	---	---	7.3E+00	7.3E+02	2.8E+05	3.6E+04	---	---	---	---	2.2E+01	2.2E+03	3.9E+05	5.0E+04
Isobutylene (2-methyl-1-propene)	---	---	---	---	---	---	2.2E+03	2.9E+02	---	---	---	---	---	---	3.1E+03	4.0E+02
Isobutyric acid (2-methylpropanoic acid)	---	---	---	---	1.2E+01	1.2E+03	1.5E+04	1.9E+03	---	---	---	---	3.7E+01	3.7E+03	2.1E+04	2.7E+03
Isodrin	5.4E-06	5.4E-04	3.4E-02	4.4E-03	7.3E-05	7.3E-03	---	---	1.2E-05	1.2E-03	5.7E-02	7.4E-03	2.2E-04	2.2E-02	---	---
Isophorone	9.6E-01	9.6E+01	---	---	4.9E+00	4.9E+02	1.0E+05	1.3E+04	2.2E+00	2.2E+02	---	---	1.5E+01	1.5E+03	1.4E+05	1.9E+04
Isopropyl acetate	---	---	---	---	1.7E+00	1.7E+02	---	---	---	---	---	---	5.1E+00	5.1E+02	---	---
Isopropyl alcohol	---	---	---	---	4.9E+00	4.9E+02	1.0E+06	1.9E+05	---	---	---	---	1.5E+01	1.5E+03	1.0E+06	2.7E+05
Isosafrole	4.1E-03	4.1E-01	4.3E+02	5.5E+01	---	---	---	---	9.3E-03	9.3E-01	7.2E+02	9.3E+01	---	---	---	---
Kelthane (dicofol)	---	---	---	---	1.5E-01	1.5E+01	---	---	---	---	---	---	4.4E-01	4.4E+01	---	---
Kepone (chlordecone)	5.7E-05	5.7E-03	2.4E+02	3.0E+01	1.2E-02	1.2E+00	---	---	1.3E-04	1.3E-02	4.0E+02	5.1E+01	3.7E-02	3.7E+00	---	---
Lead (inorganic)	1.5E-02	1.5E+00	---	---	1.5E-02	1.5E+00	---	---	1.5E-02	1.5E+00	---	---	1.5E-02	1.5E+00	---	---
Limonene, d-*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Magnesium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	---	---	---	---	4.9E-01	4.9E+01	2.3E+05	3.0E+04	---	---	---	---	1.5E+00	1.5E+02	3.2E+05	4.2E+04
Maleic anhydride	---	---	---	---	2.4E+00	2.4E+02	1.6E+04	2.0E+03	---	---	---	---	7.3E+00	7.3E+02	2.2E+04	2.8E+03
Maleic hydrazide	---	---	---	---	1.2E+01	1.2E+03	1.0E+06	1.0E+06	---	---	---	---	3.7E+01	3.7E+03	1.0E+06	1.0E+06
Malononitrile	---	---	---	---	4.9E-04	4.9E-02	1.5E+05	1.9E+04	---	---	---	---	1.5E-03	1.5E-01	2.1E+05	2.7E+04
Mancozeb	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Manganese	---	---	---	---	1.1E+00	1.1E+02	---	---	---	---	---	---	1.0E+01	1.0E+03	---	---
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	---	---	---	1.2E-02	1.2E+00	---	---	---	---	---	---	3.7E-02	3.7E+00	---	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	---	---	---	2.4E-02	2.4E+00	---	---	---	---	---	---	7.3E-02	7.3E+00	---	---
Merphos	---	---	---	---	7.3E-04	7.3E-02	---	---	---	---	---	---	2.2E-03	2.2E-01	---	---
Mercury	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	7.3E+00	9.4E-01	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	1.0E+01	1.3E+00
Methacrylic acid (2-methyl-2-propenoic acid)	---	---	---	---	2.4E-01	2.4E+01	1.2E+05	1.6E+04	---	---	---	---	7.3E-01	7.3E+01	1.7E+05	2.2E+04
Methacrylonitrile	---	---	---	---	2.4E-03	2.4E-01	1.0E+03	1.3E+02	---	---	---	---	7.3E-03	7.3E-01	1.4E+03	1.8E+02
Methanol	---	---	---	---	1.2E+01	1.2E+03	6.1E+05	7.9E+04	---	---	---	---	3.7E+01	3.7E+03	8.6E+05	1.1E+05
Methapyrilene	1.9E-04	1.9E-02	---	---	---	---	1.2E+04	1.5E+03	4.3E-04	4.3E-02	---	---	---	---	1.6E+04	2.1E+03
Methomyl	---	---	---	---	6.1E-01	6.1E+01	7.1E+04	9.5E+03	---	---	---	---	1.8E+00	1.8E+02	1.0E+05	1.3E+04
Methoxychlor	4.0E-02	4.0E+00	---	---	4.0E-02	4.0E+00	3.5E+04	4.5E+03	4.0E-02	4.0E+00	---	---	4.0E-02	4.0E+00	4.8E+04	6.3E+03
Methoxyethanol, 2-	---	---	---	---	---	---	8.1E+01	1.1E+01	---	---	---	---	---	---	1.1E+02	1.5E+01
Methyl acetate (acetic acid, methyl ester)	---	---	---	---	2.4E+01	2.4E+03	1.3E+05	1.7E+04	---	---	---	---	7.3E+01	7.3E+03	1.9E+05	2.4E+04
Methyl acrylate	---	---	---	---	4.9E-02	4.9E+00	9.3E+02	1.2E+02	---	---	---	---	1.5E-01	1.5E+01	1.3E+03	1.7E+02
Methyl amyl ketone (2-heptanone)	---	---	---	---	1.2E+00	1.2E+02	9.1E+04	1.2E+04	---	---	---	---	3.7E+00	3.7E+02	1.3E+05	1.6E+04
Methyl-1-butene, 2-	---	---	---	---	1.5E+00	1.5E+02	7.8E+03	1.0E+03	---	---	---	---	4.4E+00	4.4E+02	1.1E+04	1.4E+03
Methyl-2-butene, 2-	---	---	---	---	1.5E+00	1.5E+02	1.5E+04	1.9E+03	---	---	---	---	4.4E+00	4.4E+02	2.1E+04	2.7E+03
Methylcholanthrene, 3-	4.1E-05	4.1E-03	4.1E+02	5.4E+01	---	---	---	---	9.3E-05	9.3E-03	7.0E+02	9.0E+01	---	---	---	---
Methyl chrysene, 1-	1.3E-01	1.3E+01	8.0E+05	1.0E+05	---	---	---	---	2.8E-01	2.8E+01	1.0E+06	1.7E+05	---	---	---	---

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Methyl chrysene, 2-	1.3E-01	1.3E+01	8.0E+05	1.0E+05	---	---	---	---	2.8E-01	2.8E+01	1.0E+06	1.7E+05	---	---	---	---
Methyl chrysene, 6-	1.3E-02	1.3E+00	8.0E+04	1.0E+04	---	---	---	---	2.8E-02	2.8E+00	1.3E+05	1.7E+04	---	---	---	---
Methyl cyclohexane	---	---	---	---	1.2E+02	1.2E+04	1.4E+03	1.8E+02	---	---	---	---	3.7E+02	3.7E+04	2.0E+03	2.6E+02
Methylene-bis (2-chloroaniline) 4,4'-	7.0E-03	7.0E-01	2.0E+04	2.6E+03	1.7E-02	1.7E+00	---	---	1.6E-02	1.6E+00	3.3E+04	4.3E+03	5.1E-02	5.1E+00	---	---
Methylene bromide (dibromomethane)	1.2E-01	1.2E+01	---	---	1.5E+00	1.5E+02	7.9E+02	1.0E+02	2.7E-01	2.7E+01	---	---	4.4E+00	4.4E+02	1.1E+03	1.4E+02
Methylene chloride (dichloromethane)	5.0E-03	5.0E-01	1.3E+03	1.6E+02	5.0E-03	5.0E-01	7.7E+04	9.9E+03	5.0E-03	5.0E-01	2.1E+03	2.8E+02	5.0E-03	5.0E-01	1.1E+05	1.4E+04
Methyl ethyl ketone (2-butanone)	---	---	---	---	1.5E+01	1.5E+03	1.0E+06	3.5E+05	---	---	---	---	4.4E+01	4.4E+03	1.0E+06	4.9E+05
Methyl iodide (iodomethane)	---	---	---	---	3.4E-02	3.4E+00	1.7E+02	2.2E+01	---	---	---	---	1.0E-01	1.0E+01	2.4E+02	3.1E+01
Methyl isobutyl ketone (4-methyl-2-pentanone)	---	---	---	---	2.0E+00	2.0E+02	6.7E+05	8.7E+04	---	---	---	---	5.8E+00	5.8E+02	9.4E+05	1.2E+05
Methyl mercury	---	---	---	---	2.4E-03	2.4E-01	---	---	---	---	---	---	7.3E-03	7.3E-01	---	---
Methylmecury hydroxide	---	---	---	---	2.4E-03	2.4E-01	1.5E+02	2.0E+01	---	---	---	---	7.3E-03	7.3E-01	2.0E+02	2.9E+01
Methyl methacrylate	---	---	---	---	3.4E+01	3.4E+03	7.9E+04	1.0E+04	---	---	---	---	1.0E+02	1.0E+04	1.1E+05	1.4E+04
Methyl methanesulfonate	9.2E-03	9.2E-01	1.7E+04	2.2E+03	---	---	---	---	2.1E-02	2.1E+00	2.8E+04	3.7E+03	---	---	---	---
Methylnaphthalene, 1-	---	---	---	---	1.7E+00	1.7E+02	---	---	---	---	---	---	5.1E+00	5.1E+02	---	---
Methylnaphthalene, 2-	---	---	---	---	9.8E-02	9.8E+00	---	---	---	---	---	---	2.9E-01	2.9E+01	---	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	2.8E-02	2.8E+00	---	---	---	---	---	---	6.2E-02	6.2E+00	---	---	---	---	---	---
Methyl parathion	---	---	---	---	6.1E-03	6.1E-01	4.5E+03	5.8E+02	---	---	---	---	1.8E-02	1.8E+00	6.3E+03	8.1E+02
Methyl-2-pentenal, 2-	4.8E-04	4.8E-02	---	---	---	---	7.2E+02	9.3E+01	1.1E-03	1.1E-01	---	---	---	---	1.0E+03	1.3E+02
Methyl-1-propanal, 2- (isobutyraldehyde)	---	---	---	---	9.8E-01	9.8E+01	4.5E+04	5.8E+03	---	---	---	---	2.9E+00	2.9E+02	6.2E+04	8.1E+03
Methylpyrrolidone, N-	---	---	---	---	4.9E-01	4.9E+01	1.0E+06	2.3E+05	---	---	---	---	1.5E+00	1.5E+02	1.0E+06	3.3E+05
Methyltetrahydrofuran, 2-	1.2E-01	1.2E+01	1.8E+03	2.3E+02	4.9E+00	4.9E+02	---	---	2.7E-01	2.7E+01	3.1E+03	3.9E+02	1.5E+01	1.5E+03	---	---
Methyltetrahydropyran, 2-	1.2E-01	1.2E+01	2.1E+03	2.7E+02	4.9E+00	4.9E+02	---	---	2.7E-01	2.7E+01	3.6E+03	4.6E+02	1.5E+01	1.5E+03	---	---
Metolachlor	---	---	---	---	3.7E+00	3.7E+02	---	---	---	---	---	---	1.1E+01	1.1E+03	---	---
Metribuzin	---	---	---	---	6.1E-01	6.1E+01	---	---	---	---	---	---	1.8E+00	1.8E+02	---	---
Mirex	---	---	---	---	4.9E-03	4.9E-01	---	---	---	---	---	---	1.5E-02	1.5E+00	---	---
Molinate	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Molybdenum	---	---	---	---	1.2E-01	1.2E+01	---	---	---	---	---	---	3.7E-01	3.7E+01	---	---
Morpholine	---	---	---	---	1.2E+04	1.0E+06	2.1E+04	2.7E+03	---	---	---	---	3.7E+04	1.0E+06	2.9E+04	3.7E+03
MTBE (methyl tert-butyl ether)	5.1E-01	5.1E+01	4.0E+03	5.2E+02	2.4E-01	2.4E+01	1.4E+05	1.7E+04	1.1E+00	1.1E+02	6.8E+03	8.8E+02	7.3E-01	7.3E+01	1.9E+05	2.4E+04
Naled	---	---	---	---	4.9E-02	4.9E+00	2.2E+03	2.8E+02	---	---	---	---	1.5E-01	1.5E+01	3.0E+03	3.9E+02
Naphthalene	---	---	---	---	4.9E-01	4.9E+01	3.2E+02	4.1E+01	---	---	---	---	1.5E+00	1.5E+02	4.4E+02	5.7E+01
Naphthoquinone, 1,4-	---	---	---	---	1.7E-01	1.7E+01	1.6E+03	2.1E+02	---	---	---	---	5.1E-01	5.1E+01	2.3E+03	2.9E+02
Naphthylamine, 1-	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Naphthylamine, 2-	5.1E-04	5.1E-02	---	---	---	---	---	---	1.1E-03	1.1E-01	---	---	---	---	---	---
Napropamide	---	---	---	---	2.4E+00	2.4E+02	---	---	---	---	---	---	7.3E+00	7.3E+02	---	---
Neopentyl glycol	---	---	---	---	7.3E+00	7.3E+02	---	---	---	---	---	---	2.2E+01	2.2E+03	---	---
Nickel and compounds	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Nitrate	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	---	---
Nitrite	1.0E+00	1.0E+02	---	---	1.0E+00	1.0E+02	---	---	1.0E+00	1.0E+02	---	---	1.0E+00	1.0E+02	---	---
Nitroaniline, 2-	---	---	---	---	7.3E-03	7.3E-01	4.0E+03	5.2E+02	---	---	---	---	2.2E-02	2.2E+00	5.6E+03	7.2E+02
Nitroaniline, 3-	2.4E-02	2.4E+00	---	---	7.3E-03	7.3E-01	7.1E+04	9.2E+03	5.4E-02	5.4E+00	---	---	2.2E-02	2.2E+00	1.0E+05	1.3E+04
Nitroaniline, 4-	2.4E-02	2.4E+00	---	---	7.3E-02	7.3E+00	7.1E+04	9.3E+03	5.4E-02	5.4E+00	---	---	2.2E-01	2.2E+01	1.0E+05	1.3E+04
Nitrobenzene	---	---	---	---	1.2E-02	1.2E+00	6.2E+03	8.0E+02	---	---	---	---	3.7E-02	3.7E+00	8.7E+03	1.1E+03
Nitroglycerin	6.5E-02	6.5E+00	---	---	1.7E-03	1.7E-01	---	---	1.5E-01	1.5E+01	---	---	5.1E-03	5.1E-01	---	---
Nitrophenol, 2-	---	---	---	---	4.9E-02	4.9E+00	6.7E+04	8.7E+03	---	---	---	---	1.5E-01	1.5E+01	9.4E+04	1.2E+04
Nitrophenol, 3-	---	---	---	---	4.9E-02	4.9E+00	3.1E+05	2.3E+05	---	---	---	---	1.5E-01	1.5E+01	4.4E+05	3.2E+05

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Nitrophenol, 4-	---	---	---	---	4.9E-02	4.9E+00	2.4E+04	3.1E+03	---	---	---	---	1.5E-01	1.5E+01	3.3E+04	4.3E+03
Nitropropane, 2-	---	---	1.7E+00	2.2E-01	---	---	4.0E+03	5.2E+02	---	---	2.9E+00	3.8E-01	---	---	5.6E+03	7.3E+02
Nitroquinoline-N-oxide, 4-	9.7E-05	9.7E-03	1.1E+04	1.1E+04	---	---	---	---	2.2E-04	2.2E-02	1.9E+04	1.8E+04	---	---	---	---
Nitrosodiethanolamine, N-	3.3E-04	3.3E-02	---	---	---	---	---	---	7.3E-04	7.3E-02	---	---	---	---	---	---
Nitrosodiethylamine, N-	6.1E-06	6.1E-04	7.4E+00	9.5E-01	---	---	---	---	1.4E-05	1.4E-03	1.2E+01	1.6E+00	---	---	---	---
Nitrosodimethylamine, N-	1.8E-05	1.8E-03	2.0E+01	2.6E+00	---	---	---	---	4.0E-05	4.0E-03	3.4E+01	4.4E+00	---	---	---	---
Nitrosodi-n-butylamine, N-	1.7E-04	1.7E-02	4.7E+00	6.1E-01	---	---	---	---	3.8E-04	3.8E-02	7.9E+00	1.0E+00	---	---	---	---
Nitrosodi-n-propylamine, N-	1.3E-04	1.3E-02	---	---	---	---	---	---	2.9E-04	2.9E-02	---	---	---	---	---	---
Nitrosodiphenylamine, N-	1.9E-01	1.9E+01	---	---	---	---	---	---	4.2E-01	4.2E+01	---	---	---	---	---	---
Nitroso-methyl-ethyl-amine, N-	4.1E-05	4.1E-03	---	---	---	---	---	---	9.3E-05	9.3E-03	---	---	---	---	---	---
Nitrosomorpholine, N-	1.4E-04	1.4E-02	2.7E+02	3.6E+01	---	---	---	---	3.1E-04	3.1E-02	4.6E+02	6.0E+01	---	---	---	---
Nitroso-N-ethylurea, N-	6.5E-06	6.5E-04	---	---	---	---	---	---	1.5E-05	1.5E-03	---	---	---	---	---	---
Nitrosopiperidine, N-	9.7E-05	9.7E-03	1.6E+02	2.1E+01	---	---	---	---	2.2E-04	2.2E-02	2.8E+02	3.6E+01	---	---	---	---
Nitrosopyrrolidine, N-	4.3E-04	4.3E-02	9.6E+02	1.2E+02	---	---	---	---	9.7E-04	9.7E-02	1.6E+03	2.1E+02	---	---	---	---
Nitrotoluene, m-	---	---	---	---	2.4E-01	2.4E+01	6.6E+03	8.5E+02	---	---	---	---	7.3E-01	7.3E+01	9.2E+03	1.2E+03
Nitrotoluene, o-	---	---	---	---	2.4E-01	2.4E+01	7.7E+03	1.0E+03	---	---	---	---	7.3E-01	7.3E+01	1.1E+04	1.4E+03
Nitrotoluene, p-	---	---	---	---	2.4E-01	2.4E+01	6.5E+03	8.4E+02	---	---	---	---	7.3E-01	7.3E+01	9.1E+03	1.2E+03
Nonachlor, cis-	2.6E-03	2.6E-01	7.7E+02	9.9E+01	1.2E-02	1.2E+00	2.3E+03	3.0E+02	5.8E-03	5.8E-01	1.3E+03	1.7E+02	3.7E-02	3.7E+00	3.2E+03	4.2E+02
Nonachlor, trans-	2.6E-03	2.6E-01	7.7E+02	9.9E+01	1.2E-02	1.2E+00	2.3E+03	3.0E+02	5.8E-03	5.8E-01	1.3E+03	1.7E+02	3.7E-02	3.7E+00	3.2E+03	4.2E+02
Nonanal	---	---	---	---	4.9E+00	4.9E+02	---	---	---	---	---	---	1.5E+01	1.5E+03	---	---
Nonylphenol	---	---	---	---	1.2E+00	1.2E+02	6.8E+05	8.8E+04	---	---	---	---	3.7E+00	3.7E+02	9.5E+05	1.2E+05
Octamethylpyrophosphoramide	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Octanone	---	---	---	---	1.5E+00	1.5E+02	1.0E+06	6.2E+05	---	---	---	---	4.4E+00	4.4E+02	1.0E+06	8.7E+05
Oxamyl	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	---	---
Oxychlordane	2.6E-03	2.6E-01	7.7E+02	9.9E+01	1.2E-02	1.2E+00	2.3E+03	3.0E+02	5.8E-03	5.8E-01	1.3E+03	1.7E+02	3.7E-02	3.7E+00	3.2E+03	4.2E+02
Paraquat	---	---	---	---	1.1E-01	1.1E+01	---	---	---	---	---	---	3.3E-01	3.3E+01	---	---
Parathion (ethyl parathion)	---	---	---	---	1.5E-01	1.5E+01	1.5E+03	1.9E+02	---	---	---	---	4.4E-01	4.4E+01	2.1E+03	2.7E+02
Pebulate	---	---	---	---	1.2E+00	1.2E+02	---	---	---	---	---	---	3.7E+00	3.7E+02	---	---
Pendimethalin	---	---	---	---	9.8E-01	9.8E+01	---	---	---	---	---	---	2.9E+00	2.9E+02	---	---
Pentachlorobenzene	---	---	---	---	2.0E-02	2.0E+00	7.7E+03	1.0E+03	---	---	---	---	5.8E-02	5.8E+00	1.1E+04	1.4E+03
Pentachloroethane	3.5E-02	3.5E+00	3.0E+02	3.8E+01	7.3E-01	7.3E+01	---	---	7.9E-02	7.9E+00	5.0E+02	6.4E+01	2.2E+00	2.2E+02	---	---
Pentachloronitrobenzene	3.5E-03	3.5E-01	---	---	7.3E-02	7.3E+00	1.2E+02	1.6E+01	7.9E-03	7.9E-01	---	---	2.2E-01	2.2E+01	1.7E+02	2.2E+01
Pentachlorophenol	1.0E-03	1.0E-01	---	---	1.0E-03	1.0E-01	1.3E+04	1.7E+03	1.0E-03	1.0E-01	---	---	1.0E-03	1.0E-01	1.9E+04	2.4E+03
Pentadiene, 1,3-trans-	---	---	---	---	1.5E+00	1.5E+02	7.6E+04	9.8E+03	---	---	---	---	4.4E+00	4.4E+02	1.1E+05	1.4E+04
Pentaerythritol tetranitrate (PETN)	---	---	---	---	9.8E+00	9.8E+02	---	---	---	---	---	---	2.9E+01	2.9E+03	---	---
Pentane	---	---	---	---	1.7E+01	1.7E+03	5.0E+00	6.4E-01	---	---	---	---	5.1E+01	5.1E+03	7.0E+00	9.0E-01
Pentanediol, 1,5-	---	---	---	---	1.2E+02	1.2E+04	1.0E+06	1.0E+06	---	---	---	---	3.7E+02	3.7E+04	1.0E+06	1.0E+06
Pentanone, 2-	---	---	---	---	9.8E-01	9.8E+01	2.2E+05	2.9E+04	---	---	---	---	2.9E+00	2.9E+02	3.1E+05	4.0E+04
Pentyne, 1-	---	---	---	---	1.5E+00	1.5E+02	7.2E+04	9.3E+03	---	---	---	---	4.4E+00	4.4E+02	1.0E+05	1.3E+04
Perchlorate[4]	---	---	---	---	4.0E-03	2.4E-01	---	---	---	---	---	---	7.3E-03	7.3E-01	---	---
Perylene	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Phenacetin	4.1E-01	4.1E+01	1.0E+06	1.5E+05	---	---	---	---	9.3E-01	9.3E+01	1.0E+06	2.5E+05	---	---	---	---
Phenanthrene	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Phenanthridine	---	---	---	---	7.3E-02	7.3E+00	---	---	---	---	---	---	2.2E-01	2.2E+01	---	---
Phenol	---	---	---	---	7.3E+00	7.3E+02	2.8E+05	3.6E+04	---	---	---	---	2.2E+01	2.2E+03	3.9E+05	5.0E+04
Phenylene diamine, m-	---	---	---	---	1.5E-01	1.5E+01	2.0E+03	2.6E+02	---	---	---	---	4.4E-01	4.4E+01	2.8E+03	3.7E+02

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Phenylene diamine, p-	---	---	---	---	4.6E+00	4.6E+02	2.3E+03	3.0E+02	---	---	---	---	1.4E+01	1.4E+03	3.2E+03	4.2E+02
Phenyl mercuric acetate	---	---	---	---	2.0E-03	2.0E-01	---	---	---	---	---	---	5.8E-03	5.8E-01	---	---
Phorate	---	---	---	---	4.9E-03	4.9E-01	9.8E+01	1.3E+01	---	---	---	---	1.5E-02	1.5E+00	1.4E+02	1.8E+01
Phosalone	---	---	---	---	4.9E-02	4.9E+00	---	---	---	---	---	---	1.5E-01	1.5E+01	---	---
Phosdrin (mevinphos)	---	---	---	---	6.1E-04	6.1E-02	---	---	---	---	---	---	1.8E-03	1.8E-01	---	---
Phosmet	---	---	---	---	4.9E-01	4.9E+01	7.6E+04	9.9E+03	---	---	---	---	1.5E+00	1.5E+02	1.1E+05	1.4E+04
Phosphine	---	---	---	---	7.3E-03	7.3E-01	2.9E-03	3.7E-04	---	---	---	---	2.2E-02	2.2E+00	4.0E-03	5.2E-04
Phosphorus, total*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phosphorus, white	---	---	---	---	4.9E-04	4.9E-02	---	---	---	---	---	---	1.5E-03	1.5E-01	---	---
Phthalic anhydride	---	---	---	---	4.9E+01	4.9E+03	1.0E+06	4.0E+05	---	---	---	---	1.5E+02	1.5E+04	1.0E+06	5.6E+05
Picloram	5.0E-01	5.0E+01	---	---	5.0E-01	5.0E+01	---	---	5.0E-01	5.0E+01	---	---	5.0E-01	5.0E+01	---	---
Picoline, 2- (2-methylpyridine)	---	---	---	---	2.2E-01	2.2E+01	4.9E+02	6.3E+01	---	---	---	---	6.6E-01	6.6E+01	6.8E+02	8.8E+01
Polybrominated biphenyls (PBBs)	1.0E-04	1.0E-02	---	---	1.7E-04	1.7E-02	---	---	2.3E-04	2.3E-02	---	---	5.1E-04	5.1E-02	---	---
Polychlorinated biphenyls (PCBs)	5.0E-04	5.0E-02	2.9E+00	3.8E-01	5.0E-04	5.0E-02	---	---	5.0E-04	5.0E-02	4.9E+00	6.4E-01	5.0E-04	5.0E-02	---	---
Potassium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Primene	---	---	---	---	1.5E-01	1.5E+01	8.5E+02	1.1E+02	---	---	---	---	4.4E-01	4.4E+01	1.2E+03	1.5E+02
Prometon (pramitol)	---	---	---	---	3.7E-01	3.7E+01	---	---	---	---	---	---	1.1E+00	1.1E+02	---	---
Pronamide	---	---	---	---	1.8E+00	1.8E+02	---	---	---	---	---	---	5.5E+00	5.5E+02	---	---
Propanal (propionaldehyde)	---	---	---	---	2.0E-01	2.0E+01	3.7E+04	4.8E+03	---	---	---	---	5.8E-01	5.8E+01	5.2E+04	6.7E+03
Propanil	---	---	---	---	1.2E-01	1.2E+01	---	---	---	---	---	---	3.7E-01	3.7E+01	---	---
Propanoic acid (propionic acid)	---	---	---	---	1.2E+01	1.2E+03	1.5E+04	1.9E+03	---	---	---	---	3.7E+01	3.7E+03	2.1E+04	2.7E+03
Propanol, 1-	---	---	---	---	4.9E+00	4.9E+02	8.5E+05	1.1E+05	---	---	---	---	1.5E+01	1.5E+03	1.0E+06	1.5E+05
Propargite	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Propargyl alcohol	---	---	---	---	4.9E-02	4.9E+00	3.0E+04	3.8E+03	---	---	---	---	1.5E-01	1.5E+01	4.2E+04	5.4E+03
Propazine	2.1E-02	2.1E+00	---	---	4.9E-01	4.9E+01	---	---	4.6E-02	4.6E+00	---	---	1.5E+00	1.5E+02	---	---
Propham	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Propionitrile (propane nitrile)	---	---	---	---	9.8E-03	9.8E-01	7.7E+03	9.9E+02	---	---	---	---	2.9E-02	2.9E+00	1.1E+04	1.4E+03
Propyl acetate, n-	---	---	---	---	2.2E+00	2.2E+02	---	---	---	---	---	---	6.6E+00	6.6E+02	---	---
Propylbenzene, n-	---	---	---	---	9.8E-01	9.8E+01	6.0E+03	7.8E+02	---	---	---	---	2.9E+00	2.9E+02	8.5E+03	1.1E+03
Propylene glycol	---	---	---	---	4.9E+02	4.9E+04	1.0E+06	3.3E+05	---	---	---	---	1.5E+03	1.5E+05	1.0E+06	4.7E+05
Propylene glycol monomethyl ether	---	---	---	---	1.7E+01	1.7E+03	1.0E+06	1.0E+06	---	---	---	---	5.1E+01	5.1E+03	1.0E+06	1.0E+06
Propylene oxide	3.8E-03	3.8E-01	1.6E+03	2.0E+02	---	---	7.5E+03	9.7E+02	8.5E-03	8.5E-01	2.7E+03	3.4E+02	---	---	1.1E+04	1.4E+03
Propylene tetramer	---	---	---	---	2.4E+00	2.4E+02	4.4E+01	5.7E+00	---	---	---	---	7.3E+00	7.3E+02	6.2E+01	8.0E+00
Pyrene	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Pyridine	---	---	---	---	2.4E-02	2.4E+00	2.2E+02	2.9E+01	---	---	---	---	7.3E-02	7.3E+00	3.1E+02	4.0E+01
Quinoline	3.0E-04	3.0E-02	---	---	---	---	4.3E+03	5.6E+02	6.8E-04	6.8E-02	---	---	---	---	6.0E+03	7.8E+02
Ronnel	---	---	---	---	1.2E+00	1.2E+02	---	---	---	---	---	---	3.7E+00	3.7E+02	---	---
Safrole	4.1E-03	4.1E-01	1.9E+02	2.4E+01	---	---	---	---	9.3E-03	9.3E-01	3.2E+02	4.1E+01	---	---	---	---
Selenium	5.0E-02	5.0E+00	---	---	5.0E-02	5.0E+00	---	---	5.0E-02	5.0E+00	---	---	5.0E-02	5.0E+00	---	---
Selenourea	---	---	---	---	1.2E-01	1.2E+01	---	---	---	---	---	---	3.7E-01	3.7E+01	---	---
Silver	---	---	---	---	1.2E-01	1.2E+01	---	---	---	---	---	---	3.7E-01	3.7E+01	---	---
Simazine	4.0E-03	4.0E-01	---	---	4.0E-03	4.0E-01	---	---	4.0E-03	4.0E-01	---	---	4.0E-03	4.0E-01	---	---
Sodium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	3.4E-03	3.4E-01	---	---	7.3E-01	7.3E+01	---	---	7.6E-03	7.6E-01	---	---	2.2E+00	2.2E+02	---	---
Sodium polyacrylate	---	---	---	---	1.2E+01	1.2E+03	1.5E+04	2.0E+03	---	---	---	---	3.7E+01	3.7E+03	2.1E+04	2.7E+03
Strontium	---	---	---	---	1.5E+01	1.5E+03	---	---	---	---	---	---	4.4E+01	4.4E+03	---	---

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Strychnine	---	---	---	---	7.3E-03	7.3E-01	---	---	---	---	---	---	2.2E-02	2.2E+00	---	---
Styrene	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	3.2E+04	4.2E+03	1.0E-01	1.0E+01	---	---	1.0E-01	1.0E+01	4.5E+04	5.8E+03
Sulfate*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfide*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	---	---	---	---	4.9E-04	4.9E-02	---	---	---	---	---	---	1.5E-03	1.5E-01	---	---
Sulfur*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	3.0E-08	3.0E-06	---	---	3.0E-08	3.0E-06	---	---	3.0E-08	3.0E-06	---	---	3.0E-08	3.0E-06	---	---
Tebuconazole	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Tebuthiuron	---	---	---	---	1.7E+00	1.7E+02	---	---	---	---	---	---	5.1E+00	5.1E+02	---	---
Terbufos	---	---	---	---	6.1E-04	6.1E-02	---	---	---	---	---	---	1.8E-03	1.8E-01	---	---
Tert-amyl-methyl ether (TAME)	---	---	---	---	9.8E-01	9.8E+01	---	---	---	---	---	---	2.9E+00	2.9E+02	---	---
Tert-butyl alcohol (2-methyl-2-propanol)	---	---	---	---	2.2E+00	2.2E+02	1.1E+05	1.4E+04	---	---	---	---	6.6E+00	6.6E+02	1.5E+05	1.9E+04
Tetrachlorobenzene, 1,2,3,4-	---	---	---	---	7.3E-03	7.3E-01	2.9E+04	3.7E+03	---	---	---	---	2.2E-02	2.2E+00	4.1E+04	5.2E+03
Tetrachlorobenzene, 1,2,3,5-	---	---	---	---	7.3E-03	7.3E-01	3.3E+04	4.3E+03	---	---	---	---	2.2E-02	2.2E+00	4.7E+04	6.1E+03
Tetrachlorobenzene, 1,2,4,5-	---	---	---	---	7.3E-03	7.3E-01	3.8E+04	5.0E+03	---	---	---	---	2.2E-02	2.2E+00	5.4E+04	6.9E+03
Tetrachloroethane, 1,1,1,2-	3.5E-02	3.5E+00	1.1E+02	1.4E+01	7.3E-01	7.3E+01	---	---	7.9E-02	7.9E+00	1.9E+02	2.4E+01	2.2E+00	2.2E+02	---	---
Tetrachloroethane, 1,1,2,2-	4.6E-03	4.6E-01	4.4E+01	5.7E+00	9.8E-01	9.8E+01	---	---	1.0E-02	1.0E+00	7.4E+01	9.6E+00	2.9E+00	2.9E+02	---	---
Tetrachloroethylene (perchlorethylene)	5.0E-03	5.0E-01	3.3E+02	4.2E+01	5.0E-03	5.0E-01	2.2E+03	2.8E+02	5.0E-03	5.0E-01	5.5E+02	7.1E+01	5.0E-03	5.0E-01	3.1E+03	4.0E+02
Tetrachlorophenol, 2,3,4,5-	---	---	---	---	7.3E-01	7.3E+01	1.9E+05	2.4E+04	---	---	---	---	2.2E+00	2.2E+02	2.6E+05	3.4E+04
Tetrachlorophenol, 2,3,4,6-	---	---	---	---	7.3E-01	7.3E+01	6.9E+04	9.0E+03	---	---	---	---	2.2E+00	2.2E+02	9.7E+04	1.3E+04
Tetrachlorophenol, 2,3,5,6-	---	---	---	---	7.3E-01	7.3E+01	2.0E+03	2.6E+02	---	---	---	---	2.2E+00	2.2E+02	2.8E+03	3.7E+02
Tetradifon	---	---	---	---	4.9E-01	4.9E+01	---	---	---	---	---	---	1.5E+00	1.5E+02	---	---
Tetraethyl dithiopyrophosphate (sulfotep)	---	---	---	---	1.2E-02	1.2E+00	3.4E+03	4.4E+02	---	---	---	---	3.7E-02	3.7E+00	4.8E+03	6.2E+02
Tetraethyl lead	---	---	---	---	2.4E-06	2.4E-04	7.7E-01	9.9E-02	---	---	---	---	7.3E-06	7.3E-04	1.1E+00	1.4E-01
Tetrahydrofuran	1.2E-01	1.2E+01	2.2E+03	2.9E+02	4.9E+00	4.9E+02	5.4E+04	7.0E+03	2.7E-01	2.7E+01	3.7E+03	4.8E+02	1.5E+01	1.5E+03	7.6E+04	9.8E+03
Tetrahydropyran	1.2E-01	1.2E+01	2.6E+03	3.4E+02	4.9E+00	4.9E+02	---	---	2.7E-01	2.7E+01	4.4E+03	5.7E+02	1.5E+01	1.5E+03	---	---
Thallium and compounds (as thallium chloride)	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	---	---	2.0E-03	2.0E-01	---	---
Thiofanox	---	---	---	---	7.3E-03	7.3E-01	2.5E+04	3.2E+03	---	---	---	---	2.2E-02	2.2E+00	3.4E+04	4.5E+03
Thionazin	---	---	---	---	1.7E-03	1.7E-01	---	---	---	---	---	---	5.1E-03	5.1E-01	---	---
Thiophanate-methyl	---	---	---	---	2.0E+00	2.0E+02	---	---	---	---	---	---	5.8E+00	5.8E+02	---	---
Thiram	---	---	---	---	1.2E-01	1.2E+01	3.2E+04	4.1E+03	---	---	---	---	3.7E-01	3.7E+01	4.5E+04	5.8E+03
Tin	---	---	---	---	1.5E+01	1.5E+03	---	---	---	---	---	---	4.4E+01	4.4E+03	---	---
Titanium	---	---	---	---	1.2E+04	1.0E+06	---	---	---	---	---	---	3.7E+04	1.0E+06	---	---
Toluene	1.0E+00	1.0E+02	---	---	1.0E+00	1.0E+02	6.2E+03	8.0E+02	1.0E+00	1.0E+02	---	---	1.0E+00	1.0E+02	8.7E+03	1.1E+03
Toluenediamine, 2,4-	2.9E-04	2.9E-02	---	---	---	---	1.3E+05	1.7E+04	6.4E-04	6.4E-02	---	---	---	---	1.8E+05	2.3E+04
Toluenediamine, 2,6-	---	---	---	---	4.9E+00	4.9E+02	---	---	---	---	---	---	1.5E+01	1.5E+03	---	---
Toluene diisocyanate, 2,4/2,6-	---	---	---	---	---	---	1.8E+03	2.4E+02	---	---	---	---	---	---	2.6E+03	3.3E+02
Toluidine, o-	3.8E-03	3.8E-01	2.6E+03	3.4E+02	---	---	---	---	8.5E-03	8.5E-01	4.4E+03	5.7E+02	---	---	---	---
Toluidine, p-	4.8E-03	4.8E-01	---	---	---	---	---	---	1.1E-02	1.1E+00	---	---	---	---	---	---
Toxaphene	3.0E-03	3.0E-01	1.8E+03	2.3E+02	3.0E-03	3.0E-01	---	---	3.0E-03	3.0E-01	3.0E+03	3.9E+02	3.0E-03	3.0E-01	---	---
TP Silvex, 2,4,5-	5.0E-02	5.0E+00	---	---	5.0E-02	5.0E+00	3.5E+05	4.5E+04	5.0E-02	5.0E+00	---	---	5.0E-02	5.0E+00	4.9E+05	6.4E+04
Triademenol	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Triallate	---	---	---	---	3.2E-01	3.2E+01	---	---	---	---	---	---	9.5E-01	9.5E+01	---	---
Triaminotrinitrobenzene (TATB)	3.0E-02	3.0E+00	---	---	7.3E-02	7.3E+00	4.2E+05	3.7E+05	6.8E-02	6.8E+00	---	---	2.2E-01	2.2E+01	5.9E+05	5.1E+05
Tributyltin oxide	---	---	---	---	7.3E-03	7.3E-01	---	---	---	---	---	---	2.2E-02	2.2E+00	---	---
Trichlorobenzene, 1,2,3-	---	---	---	---	7.3E-02	7.3E+00	2.7E+03	3.5E+02	---	---	---	---	2.2E-01	2.2E+01	3.7E+03	4.8E+02

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$ [1] (mg/L)	$^{GW}GW_{Class\ 3}$ [2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
Trichlorobenzene, 1,2,4-	7.0E-02	7.0E+00	---	---	7.0E-02	7.0E+00	1.6E+04	2.0E+03	7.0E-02	7.0E+00	---	---	7.0E-02	7.0E+00	2.2E+04	2.8E+03
Trichlorobenzene, 1,3,5-	---	---	---	---	7.3E-02	7.3E+00	2.0E+03	2.6E+02	---	---	---	---	2.2E-01	2.2E+01	2.9E+03	3.7E+02
Trichloroethane, 1,1,1-	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	7.9E+03	1.0E+03	2.0E-01	2.0E+01	---	---	2.0E-01	2.0E+01	1.1E+04	1.4E+03
Trichloroethane, 1,1,2-	5.0E-03	5.0E-01	8.0E+01	1.0E+01	5.0E-03	5.0E-01	---	---	5.0E-03	5.0E-01	1.3E+02	1.7E+01	5.0E-03	5.0E-01	---	---
Trichloroethylene	5.0E-03	5.0E-01	1.6E+02	2.1E+01	5.0E-03	5.0E-01	---	---	5.0E-03	5.0E-01	2.7E+02	3.5E+01	5.0E-03	5.0E-01	---	---
Trichlorofluoromethane	---	---	---	---	7.3E+00	7.3E+02	4.1E+03	5.3E+02	---	---	---	---	2.2E+01	2.2E+03	5.7E+03	7.4E+02
Trichloronate	---	---	---	---	7.3E-02	7.3E+00	---	---	---	---	---	---	2.2E-01	2.2E+01	---	---
Trichlorophenol, 2,3,4-	---	---	---	---	2.4E+00	2.4E+02	1.0E+06	1.4E+05	---	---	---	---	7.3E+00	7.3E+02	1.0E+06	1.9E+05
Trichlorophenol, 2,3,5-	---	---	---	---	2.4E+00	2.4E+02	1.0E+06	1.4E+05	---	---	---	---	7.3E+00	7.3E+02	1.0E+06	2.0E+05
Trichlorophenol, 2,3,6-	---	---	---	---	2.4E+00	2.4E+02	8.4E+03	1.1E+03	---	---	---	---	7.3E+00	7.3E+02	1.2E+04	1.5E+03
Trichlorophenol, 2,4,5-	---	---	---	---	2.4E+00	2.4E+02	4.5E+05	5.9E+04	---	---	---	---	7.3E+00	7.3E+02	6.4E+05	8.2E+04
Trichlorophenol, 2,4,6-	8.3E-02	8.3E+00	4.9E+04	6.4E+03	---	---	---	---	1.9E-01	1.9E+01	8.3E+04	1.1E+04	---	---	---	---
Trichlorophenol, 3,4,5-	---	---	---	---	2.4E+00	2.4E+02	1.0E+06	1.5E+05	---	---	---	---	7.3E+00	7.3E+02	1.0E+06	2.1E+05
Trichlorophenoxyacetic acid, 2,4,5-	---	---	---	---	2.4E-01	2.4E+01	2.5E+05	3.3E+04	---	---	---	---	7.3E-01	7.3E+01	3.5E+05	4.6E+04
Trichloropropane, 1,1,2-	---	---	---	---	1.2E-01	1.2E+01	5.4E+02	6.9E+01	---	---	---	---	3.7E-01	3.7E+01	7.5E+02	9.7E+01
Trichloropropane, 1,2,3-	1.3E-04	1.3E-02	---	---	1.5E-01	1.5E+01	6.5E+03	8.4E+02	2.9E-04	2.9E-02	---	---	4.4E-01	4.4E+01	9.0E+03	1.2E+03
Trichloro-1,2,2-trifluoroethane, 1,1,2-	---	---	---	---	7.3E+02	7.3E+04	9.2E+03	1.2E+03	---	---	---	---	2.2E+03	2.2E+05	1.3E+04	1.7E+03
Triethanolamine	---	---	---	---	4.9E+00	4.9E+02	1.0E+06	1.0E+06	---	---	---	---	1.5E+01	1.5E+03	1.0E+06	1.0E+06
Triethylamine	---	---	---	---	---	---	6.3E+02	8.1E+01	---	---	---	---	---	---	8.8E+02	1.1E+02
Triethylene glycol	---	---	---	---	7.3E+01	7.3E+03	---	---	---	---	---	---	2.2E+02	2.2E+04	---	---
Triethylphosphorothioate, O, O, O-	---	---	---	---	2.0E-04	2.0E-02	---	---	---	---	---	---	6.1E-04	6.1E-02	---	---
Trifluralin	1.2E-01	1.2E+01	---	---	1.8E-01	1.8E+01	2.7E+04	3.4E+03	2.7E-01	2.7E+01	---	---	5.5E-01	5.5E+01	3.7E+04	4.8E+03
Trimethylamine	---	---	---	---	---	---	1.7E+03	2.2E+02	---	---	---	---	---	---	2.3E+03	3.0E+02
Trimethylbenzene, 1,2,3-	---	---	---	---	1.2E+00	1.2E+02	1.9E+02	2.4E+01	---	---	---	---	3.7E+00	3.7E+02	2.6E+02	3.4E+01
Trimethylbenzene, 1,2,4-	---	---	---	---	1.2E+00	1.2E+02	1.6E+02	2.1E+01	---	---	---	---	3.7E+00	3.7E+02	2.3E+02	2.9E+01
Trimethylbenzene, 1,3,5-	---	---	---	---	1.2E+00	1.2E+02	1.3E+02	1.6E+01	---	---	---	---	3.7E+00	3.7E+02	1.8E+02	2.3E+01
Trinitrobenzene, 1,3,5-	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	---	---	---	---	2.4E-01	2.4E+01	4.4E+03	1.7E+03	---	---	---	---	7.3E-01	7.3E+01	6.2E+03	2.3E+03
Trinitrotoluene, 2,4,6-	3.0E-02	3.0E+00	---	---	1.2E-02	1.2E+00	2.2E+03	2.9E+02	6.8E-02	6.8E+00	---	---	3.7E-02	3.7E+00	3.1E+03	4.1E+02
Uranium (soluble salts)	3.0E-02	3.0E+00	---	---	3.0E-02	3.0E+00	---	---	3.0E-02	3.0E+00	---	---	3.0E-02	3.0E+00	---	---
Valeric acid (pentanoic acid)	---	---	---	---	1.2E+01	1.2E+03	2.0E+04	2.6E+03	---	---	---	---	3.7E+01	3.7E+03	2.8E+04	3.6E+03
Vanadium	---	---	---	---	1.7E-01	1.7E+01	---	---	---	---	---	---	5.1E-01	5.1E+01	---	---
Vernam	---	---	---	---	2.4E-02	2.4E+00	---	---	---	---	---	---	7.3E-02	7.3E+00	---	---
Vinyl acetate	---	---	---	---	2.4E+01	2.4E+03	1.4E+04	1.8E+03	---	---	---	---	7.3E+01	7.3E+03	2.0E+04	2.6E+03
Vinyl chloride	2.0E-03	2.0E-01	3.6E+00	4.7E-01	2.0E-03	2.0E-01	1.4E+02	1.8E+01	2.0E-03	2.0E-01	6.1E+00	7.9E-01	2.0E-03	2.0E-01	1.9E+02	2.5E+01
Vinylcyclohexane	---	---	---	---	1.2E+01	1.2E+03	2.2E+01	2.8E+00	---	---	---	---	3.7E+01	3.7E+03	3.1E+01	4.0E+00
Warfarin	---	---	---	---	7.3E-03	7.3E-01	4.6E+03	6.0E+02	---	---	---	---	2.2E-02	2.2E+00	6.5E+03	8.4E+02
Xylene, m-	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	7.5E+03	9.7E+02	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	1.1E+04	1.4E+03
Xylene, o-	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	5.4E+05	7.0E+04	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	7.6E+05	9.8E+04
Xylene, p-	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	6.7E+03	8.6E+02	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	9.3E+03	1.2E+03
Xylenes	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	1.7E+03	2.2E+02	1.0E+01	1.0E+03	---	---	1.0E+01	1.0E+03	2.3E+03	3.0E+02
Zinc	---	---	---	---	7.3E+00	7.3E+02	---	---	---	---	---	---	2.2E+01	2.2E+03	---	---
6 C aliphatics (TPH)	---	---	---	---	1.5E+00	1.5E+02	3.2E+01	4.1E+00	---	---	---	---	4.4E+00	4.4E+02	4.5E+01	5.8E+00
>6-8 C aliphatics (TPH)	---	---	---	---	1.5E+00	1.5E+02	2.1E+01	2.7E+00	---	---	---	---	4.4E+00	4.4E+02	3.0E+01	3.8E+00
>8-10 C aliphatics (TPH)	---	---	---	---	2.4E+00	2.4E+02	6.6E+01	8.5E+00	---	---	---	---	7.3E+00	7.3E+02	9.2E+01	1.2E+01
>10-12 C aliphatics (TPH)	---	---	---	---	2.4E+00	2.4E+02	4.4E+01	5.7E+00	---	---	---	---	7.3E+00	7.3E+02	6.2E+01	8.0E+00

Table 8
Individual Tier 1 Groundwater PCLs
Residential and Commercial/Industrial

Chemical of Concern	Residential								Commercial/Industrial							
	Carcinogenic				Noncarcinogenic				Carcinogenic				Noncarcinogenic			
	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)	$^{GW}GW_{Ing}$[1] (mg/L)	$^{GW}GW_{Class\ 3}$[2] (mg/L)	$^{Air}GW_{Inh-V}$ 0.5 acre source area (mg/L)	$^{Air}GW_{Inh-V}$ 30 acre source area (mg/L)
>12-16 C aliphatics (TPH)	---	---	---	---	2.4E+00	2.4E+02	1.0E+01	1.3E+00	---	---	---	---	7.3E+00	7.3E+02	1.4E+01	1.8E+00
>16-21 C aliphatics (TPH)	---	---	---	---	4.9E+01	4.9E+03	---	---	---	---	---	---	1.5E+02	1.5E+04	---	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	---	---	3.9E+01	3.9E+03	---	---	---	---	---	---	1.2E+02	1.2E+04	---	---
>7-8 C aromatics (TPH)	---	---	---	---	2.4E+00	2.4E+02	1.6E+04	2.0E+03	---	---	---	---	7.3E+00	7.3E+02	2.2E+04	2.8E+03
>8-10 C aromatics (TPH)	---	---	---	---	9.8E-01	9.8E+01	1.8E+03	2.3E+02	---	---	---	---	2.9E+00	2.9E+02	2.5E+03	3.2E+02
>10-12 C aromatics (TPH)	---	---	---	---	9.8E-01	9.8E+01	4.3E+03	5.5E+02	---	---	---	---	2.9E+00	2.9E+02	6.0E+03	7.7E+02
>12-16 C aromatics (TPH)	---	---	---	---	9.8E-01	9.8E+01	7.5E+03	9.7E+02	---	---	---	---	2.9E+00	2.9E+02	1.0E+04	1.4E+03
>16-21 C aromatics (TPH)	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---
>21-35 C aromatics (TPH)	---	---	---	---	7.3E-01	7.3E+01	---	---	---	---	---	---	2.2E+00	2.2E+02	---	---

Footnotes

[1]Based on primary MCLs when available

[2]100 x $^{GW}GW_{Ing}$

[3]The MCL for total trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[4]The range of residential groundwater ingestion values ($^{GW}GW_{Ing}$) for perchlorate obtained when using the provisional RfD range recommended by USEPA's NCEA is 2.4E-03 to 1.2E-02 mg/L. Given the uncertainties associated with the toxicity of perchlorate, a value at the lower end of the range, which accounts for limitations of current analytical techniques, was selected. As such, the residential $^{GW}GW_{Ing}$ PCL is set at 4.0E-03 mg/L, which is the quantitation limit for perchlorate.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

All values capped at 1E+06

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Acenaphthene	---	---	---	---	---	---	4.9E+03	1.6E+04	---	9.4E+02	---	---	1.5E+00	1.5E+02	---
Acenaphthylene	---	---	---	---	---	---	4.9E+03	1.6E+04	---	---	---	---	1.5E+00	1.5E+02	---
Acetaldehyde	1.1E-02	---	---	---	---	9.4E-03	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Acetic acid*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	---	---	---	---	---	6.2E-01	7.4E+04	---	---	---	---	---	2.2E+01	2.2E+03	---
Acetone cyanohydrin	---	---	---	---	---	4.2E-03	6.6E+01	2.8E+02	---	---	---	---	2.0E-02	2.0E+00	---
Acetonitrile	---	---	---	---	---	6.3E-02	---	---	---	---	---	---	---	---	---
Acetophenone	---	---	---	---	---	5.1E-02	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Acetylaminofluorene, 2-	1.9E-05	1.6E+00	5.5E+00	---	---	---	---	---	---	---	2.4E-04	2.4E-02	---	---	---
Acifluorfen, sodium	---	---	---	---	---	1.0E-02	1.1E+03	4.6E+03	---	---	---	---	3.2E-01	3.2E+01	---
Acridine	---	---	---	---	---	---	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Acrolein	---	---	---	---	---	2.1E-05	4.1E+01	---	---	---	---	---	1.2E-02	1.2E+00	---
Acrylamide	1.9E-05	1.3E+00	4.6E+00	---	---	---	1.6E+01	7.1E+01	---	---	2.0E-04	2.0E-02	4.9E-03	4.9E-01	---
Acrylic acid (propenoic acid)	---	---	---	---	---	1.0E-03	4.1E+04	---	---	---	---	---	1.2E+01	1.2E+03	---
Acrylonitrile	3.6E-04	1.1E+01	---	---	---	2.1E-03	8.2E+01	---	---	---	1.7E-03	1.7E-01	2.4E-02	2.4E+00	---
Adipic acid (hexanedioic acid)	---	---	---	---	---	5.2E-03	4.1E+05	1.0E+06	---	---	---	---	1.2E+02	1.2E+04	---
Alachlor	---	7.6E+01	2.6E+02	---	---	---	8.2E+02	3.6E+03	---	---	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Aldicarb	---	---	---	---	---	---	8.2E+01	3.6E+02	---	---	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Aldicarb sulfone	---	---	---	---	---	---	8.2E+01	3.6E+02	---	---	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Aldrin	5.0E-06	3.6E-01	1.2E+00	---	3.4E-02	---	2.5E+00	1.1E+01	---	4.7E-01	5.4E-05	5.4E-03	7.3E-04	7.3E-02	---
Allyl alcohol	---	---	---	---	---	5.0E-03	4.1E+02	---	---	---	---	---	1.2E-01	1.2E+01	---
Allyl chloride	---	---	---	---	---	1.0E-03	8.2E+02	---	---	---	---	---	2.4E-01	2.4E+01	---
Aluminum	---	---	---	---	---	5.2E-03	8.2E+04	3.6E+05	6.5E+03	1.6E+04	---	---	2.4E+01	2.4E+03	2.0E-01
Ametryn	---	---	---	---	---	---	7.4E+02	3.2E+03	---	---	---	---	2.2E-01	2.2E+01	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	---	1.0E+00	3.4E+00	---	---	---	---	---	---	---	1.5E-04	1.5E-02	---	---	---
Amino-2,6-dinitrotoluene, 4-	---	6.1E+02	2.1E+03	---	---	1.0E-04	1.4E+01	5.9E+01	---	---	9.1E-02	9.1E+00	4.1E-03	4.1E-01	---
Amino-4,6-dinitrotoluene, 2-	---	6.1E+02	2.1E+03	---	---	1.0E-04	1.4E+01	5.9E+01	---	---	9.1E-02	9.1E+00	4.1E-03	4.1E-01	---
Aminopyridine, 4-	---	---	---	---	---	2.6E-04	1.6E+00	7.1E+00	---	---	---	---	4.9E-04	4.9E-02	---
Ammonia	---	---	---	---	---	1.0E-01	---	---	---	---	---	---	---	---	1.5E+00
Ammonium polyphosphate*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aniline	---	1.1E+03	3.6E+03	---	---	1.0E-03	5.7E+02	2.5E+03	---	---	1.6E-01	1.6E+01	1.7E-01	1.7E+01	---
Anthracene	---	---	---	---	---	---	2.5E+04	8.2E+04	---	4.7E+03	---	---	7.3E+00	7.3E+02	---
Anthraquinone, 9,10-	---	---	---	---	---	---	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Antimony	---	---	---	---	---	5.2E-04	3.3E+01	2.1E+02	2.6E+00	6.3E+00	6.0E-03	6.0E-01	6.0E-03	6.0E-01	---
Aramite	3.4E-03	2.4E+02	8.3E+02	---	2.3E+01	---	4.1E+03	1.8E+04	---	7.8E+02	3.7E-02	3.7E+00	1.2E+00	1.2E+02	---
Arsenic	5.7E-06	5.2E+01	4.6E+02	1.7E+00	3.9E+00	---	3.1E+01	3.6E+02	2.0E+00	4.7E+00	1.0E-02	1.0E+00	1.0E-02	1.0E+00	---
Arsine	---	---	---	---	---	5.2E-05	---	---	---	---	---	---	---	---	---
Asbestos	3.2E-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Atrazine	---	2.7E+01	9.4E+01	---	---	5.2E-03	2.9E+03	1.2E+04	---	---	3.0E-03	3.0E-01	3.0E-03	3.0E-01	---
Azinphos-methyl (guthion)	---	---	---	---	---	---	1.2E+02	5.3E+02	---	---	---	---	3.7E-02	3.7E+00	---
Azobenzene	7.8E-04	5.5E+01	1.9E+02	---	5.3E+00	---	---	---	---	---	8.3E-03	8.3E-01	---	---	---
Barium	---	---	---	---	---	5.2E-04	5.7E+03	1.7E+04	4.6E+02	1.1E+03	2.0E+00	2.0E+02	2.0E+00	2.0E+02	---
Bayleton	---	---	---	---	---	---	2.5E+03	1.1E+04	---	---	---	---	7.3E-01	7.3E+01	---
Benefin (benfluralin)	---	---	---	---	---	---	2.5E+04	1.1E+05	---	4.7E+03	---	---	7.3E+00	7.3E+02	---
Benomyl	---	---	---	---	---	---	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Benz-a-anthracene	2.8E-04	8.3E+00	2.2E+01	---	8.0E-01	---	---	---	---	---	1.3E-03	1.3E-01	---	---	---
Benzaldehyde	---	---	---	---	---	9.4E-03	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Benzene	3.1E-03	1.1E+02	---	---	---	3.1E-02	2.5E+02	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Benzenethiol	---	---	---	---	---	5.2E-04	8.2E-01	---	---	---	---	---	2.4E-04	2.4E-02	---
Benzidine	3.6E-07	2.6E-02	9.0E-02	---	---	---	2.5E+02	1.1E+03	---	---	4.0E-06	4.0E-04	7.3E-02	7.3E+00	---
Benzo-a-pyrene	2.8E-05	8.3E-01	2.2E+00	---	8.0E-02	---	---	---	---	---	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		Secondary MCL[3]
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	(mg/L)
Benzo-b-fluoranthene	2.8E-04	8.3E+00	2.2E+01	---	8.0E-01	---	---	---	---	---	1.3E-03	1.3E-01	---	---	---
Benzo-e-pyrene	---	---	---	---	---	---	2.5E+03	8.2E+03	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
Benzo-g,h,i-perylene	---	---	---	---	---	---	2.5E+03	8.2E+03	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
Benzoic acid	---	---	---	---	---	5.2E-03	3.3E+05	1.0E+06	---	---	---	---	9.8E+01	9.8E+03	---
Benzo-k-fluoranthene	2.8E-03	8.3E+01	2.2E+02	---	8.0E+00	---	---	---	---	---	1.3E-02	1.3E+00	---	---	---
Benzotrichloride	---	4.7E-01	1.6E+00	---	---	8.3E-04	---	---	---	---	7.0E-05	7.0E-03	---	---	---
Benzyl alcohol	---	---	---	---	---	5.2E-02	2.5E+04	1.1E+05	---	---	---	---	7.3E+00	7.3E+02	---
Benzyl chloride	---	3.6E+01	---	---	---	5.2E-03	---	---	---	---	5.4E-03	5.4E-01	---	---	---
Benzyl dichloride	---	3.6E+01	1.2E+02	---	---	2.1E-03	---	---	---	---	5.4E-03	5.4E-01	---	---	---
Beryllium	1.0E-05	---	---	---	---	2.1E-05	1.6E+02	5.0E+01	1.3E+01	3.1E+01	4.0E-03	4.0E-01	4.0E-03	4.0E-01	---
Biphenyl, 1,1-	---	---	---	---	---	1.4E-03	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Biquinoline, 2,2'-	---	---	---	---	---	---	2.5E+02	1.1E+03	---	4.7E+01	---	---	7.3E-02	7.3E+00	---
Bis (2-chloroethoxy) methane	7.4E-05	5.5E+00	1.9E+01	---	---	---	---	---	---	---	8.3E-04	8.3E-02	---	---	---
Bis (2-chloroethyl) ether	7.4E-05	5.5E+00	---	---	---	---	---	---	---	---	8.3E-04	8.3E-02	---	---	---
Bis (2-chloroisopropyl) ether	2.4E-03	8.7E+01	3.0E+02	---	---	---	3.3E+03	1.4E+04	---	---	1.3E-02	1.3E+00	9.8E-01	9.8E+01	---
Bis (2-chloromethyl) ether	3.9E-07	2.8E-02	---	---	---	---	---	---	---	---	4.1E-06	4.1E-04	---	---	---
Bis (2-ethyl-hexyl) phthalate	---	4.3E+02	2.8E+02	---	4.2E+01	---	1.6E+03	1.4E+03	---	3.1E+02	6.0E-03	6.0E-01	6.0E-03	6.0E-01	---
Bismuth	---	---	---	---	---	---	4.1E+04	3.6E+05	---	7.8E+03	---	---	1.2E+01	1.2E+03	---
Bisphenol A	---	---	---	---	---	8.3E-02	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Boron	---	---	---	---	---	2.1E-02	7.4E+03	3.2E+05	---	1.4E+03	---	---	2.2E+00	2.2E+02	---
Bromobenzene	---	---	---	---	---	1.0E-02	1.6E+03	---	---	---	---	---	4.9E-01	4.9E+01	---
Bromo-2-chloroethane, 1-	---	---	---	---	---	5.2E-02	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Bromodichloromethane[4]	---	9.8E+01	---	---	---	---	1.6E+03	---	---	---	1.5E-02	1.5E+00	4.9E-01	4.9E+01	---
Bromoform[4]	2.2E-02	7.7E+02	---	---	---	---	1.6E+03	---	---	---	1.2E-01	1.2E+01	4.9E-01	4.9E+01	---
Bromomethane (methyl bromide)	---	---	---	---	---	5.2E-03	1.1E+02	---	---	---	---	---	3.4E-02	3.4E+00	---
Bromophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00	---	3.9E-02	---	---	---	---	---	6.1E-05	6.1E-03	---	---	---
Butadiene, 1,3-	8.1E-04	---	---	---	---	2.1E-03	---	---	---	---	---	---	---	---	---
Butanal (butyraldehyde)	---	---	---	---	---	8.3E-01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Butanoic acid (butyric acid)	---	---	---	---	---	1.0E-03	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Butanol, n-	---	---	---	---	---	7.9E-02	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; E	---	---	---	---	---	1.4E+01	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Butyl acetate	---	---	---	---	---	7.3E-02	1.1E+04	---	---	---	---	---	3.4E+00	3.4E+02	---
Butyl acrylate	---	---	---	---	---	5.2E-03	7.4E+02	---	---	---	---	---	2.2E-01	2.2E+01	---
Butyl benzyl phthalate	---	---	---	---	---	5.2E-03	1.6E+04	7.1E+04	---	3.1E+03	---	---	4.9E+00	4.9E+02	---
Butylate	---	---	---	---	---	---	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Butylbenzene, n-	---	---	---	---	---	2.9E-01	3.3E+03	1.4E+04	---	---	---	---	9.8E-01	9.8E+01	---
Butylbenzene, sec-	---	---	---	---	---	2.9E-01	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Butylbenzene, tert-	---	---	---	---	---	2.9E-01	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Butyl ether, n- (dibutyl ether)	---	---	---	---	---	7.9E-02	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Cacodylic acid	---	---	---	---	---	---	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Cadmium	1.4E-05	---	---	---	---	---	2.6E+02	2.2E+03	1.1E+01	2.5E+01	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Calcium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	---	---	---	---	---	1.0E-03	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Captan	---	1.7E+03	5.9E+03	---	---	5.2E-03	1.1E+04	4.6E+04	---	---	2.6E-01	2.6E+01	3.2E+00	3.2E+02	---
Carbaryl	---	---	---	---	---	5.2E-03	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Carbazole	---	3.0E+02	1.0E+03	---	---	---	---	---	---	---	4.6E-02	4.6E+00	---	---	---
Carbofuran	---	---	---	---	---	1.0E-04	4.1E+02	1.8E+03	---	---	4.0E-02	4.0E+00	4.0E-02	4.0E+00	---
Carbon disulfide	---	---	---	---	---	7.3E-01	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Carbon tetrachloride	1.6E-03	4.7E+01	---	---	---	2.1E-03	5.7E+01	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Carbophenothion	---	---	---	---	---	---	1.1E+03	4.6E+03	---	2.0E+02	---	---	3.2E-01	3.2E+01	---
Carbosulfan	---	---	---	---	---	---	8.2E+02	3.6E+03	---	1.6E+02	---	---	2.4E-01	2.4E+01	---
Carboxin	---	---	---	---	---	---	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Chloral	---	---	---	---	---	5.2E-03	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	---	---	---	---	---	5.2E-03	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid	---	---	---	---	---	---	1.2E+03	5.3E+03	---	---	---	---	3.7E-01	3.7E+01	---
Chlordane (technical)	2.4E-04	1.7E+01	1.5E+02	---	1.7E+00	7.3E-04	4.1E+01	4.4E+02	---	7.8E+00	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Chlordane, cis- (alpha chlordane)	2.4E-04	1.7E+01	5.9E+01	---	1.7E+00	7.3E-04	4.1E+01	1.8E+02	---	7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00	---
Chlordane, gamma	2.4E-04	1.7E+01	5.9E+01	---	1.7E+00	7.3E-04	4.1E+01	1.8E+02	---	7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00	---
Chlorfenvinphos	---	---	---	---	---	2.1E-03	5.7E+01	2.5E+02	---	1.1E+01	---	---	1.7E-02	1.7E+00	---
Chloride*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.0E+02
Chlorine	---	---	---	---	---	1.6E-03	8.2E+03	7.1E+04	---	---	4.0E+00	4.0E+02	4.0E+00	4.0E+02	---
Chloroaniline, p-	---	---	---	---	---	5.5E-03	3.3E+02	1.4E+03	---	---	---	---	9.8E-02	9.8E+00	---
Chlorobenzene	---	---	---	---	---	6.3E-02	1.6E+03	---	---	---	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Chlorobenzilate	3.1E-04	2.2E+01	7.7E+01	---	---	---	1.6E+03	7.1E+03	---	---	3.4E-03	3.4E-01	4.9E-01	4.9E+01	---
Chlorobromomethane (bromochloromethane)	---	---	---	---	---	5.2E-02	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Chloro-1,3-butadiene, 2-	---	---	---	---	---	7.3E-03	---	---	---	---	---	---	---	---	---
Chlorodifluoromethane	---	---	---	---	---	5.2E+01	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	---	---	---	---	---	1.0E+01	3.3E+04	---	---	---	---	---	9.8E+00	9.8E+02	---
Chloroethanol, 2-	---	---	---	---	---	3.4E-03	3.3E+04	---	---	---	---	---	9.8E+00	9.8E+02	---
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	---	5.5E+00	---	---	---	3.1E-04	1.6E+02	---	---	---	8.3E-04	8.3E-02	4.9E-02	4.9E+00	---
Chloroform[4]	1.1E-03	---	---	---	---	1.0E-01	8.2E+02	---	---	---	---	---	2.4E-01	2.4E+01	---
Chlorohexane, 1-	---	---	---	---	---	1.0E+00	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Chloromethane (methyl chloride)	1.4E-02	4.7E+02	---	---	---	9.4E-02	---	---	---	---	7.0E-02	7.0E+00	---	---	---
Chloro-3-methylphenol, 4-	---	---	---	---	---	3.1E-02	4.1E+02	1.8E+03	---	---	---	---	1.2E-01	1.2E+01	---
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	---	---	---	---	---	6.6E+03	2.2E+04	---	1.3E+03	---	---	2.0E+00	2.0E+02	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	---	---	---	---	---	6.6E+03	2.2E+04	---	---	---	---	2.0E+00	2.0E+02	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	---	3.4E+02	1.2E+03	---	---	---	---	---	---	---	5.1E-02	5.1E+00	---	---	---
Chlorophenol, 2-	---	---	---	---	---	3.1E-02	4.1E+02	---	---	---	---	---	1.2E-01	1.2E+01	---
Chlorophenol, 3-	---	---	---	---	---	3.1E-02	4.1E+02	1.8E+03	---	---	---	---	1.2E-01	1.2E+01	---
Chlorophenol, 4-	---	---	---	---	---	3.1E-02	4.1E+02	1.8E+03	---	---	---	---	1.2E-01	1.2E+01	---
Chlorophenyl phenylether, 4-	7.4E-06	4.0E-01	1.4E+00	---	3.9E-02	---	---	---	---	---	6.1E-05	6.1E-03	---	---	---
Chloropropane, 2-	---	---	---	---	---	1.0E-01	2.5E+03	---	---	---	---	---	7.3E-01	7.3E+01	---
Chloro-2-propanol, 1-	---	---	---	---	---	---	1.6E+03	---	---	---	---	---	4.9E-01	4.9E+01	---
Chlorothalonil	---	5.5E+02	1.9E+03	---	---	---	1.2E+03	5.3E+03	---	---	8.3E-02	8.3E+00	3.7E-01	3.7E+01	---
Chlorotoluene, o- (2-chlorotoluene)	---	---	---	---	---	2.7E-01	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Chlorotoluene, p- (4-chlorotoluene)	---	---	---	---	---	2.7E-04	1.6E+03	---	---	---	---	---	4.9E-01	4.9E+01	---
Chlorpyrifos	---	---	---	---	---	2.1E-04	2.5E+02	1.1E+03	---	4.7E+01	---	---	7.3E-02	7.3E+00	---
Chromium (III) (total chromium)	---	---	---	---	---	1.0E-04	1.2E+05	6.9E+04	9.8E+03	2.3E+04	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Chromium (VI)	2.0E-06	---	---	---	---	1.0E-04	2.5E+02	2.7E+02	2.0E+01	4.7E+01	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Chrysene	2.8E-02	8.3E+02	2.2E+03	---	8.0E+01	---	---	---	---	---	1.3E-01	1.3E+01	---	---	---
Cobalt	---	---	---	---	---	2.1E-05	4.9E+03	2.1E+05	3.9E+02	9.4E+02	---	---	1.5E+00	1.5E+02	---
Copolymer acrylamide	---	---	---	---	---	3.1E-05	1.6E+01	7.1E+01	---	---	---	---	4.9E-03	4.9E-01	---
Copper	---	---	---	---	---	1.0E-03	3.3E+03	1.4E+05	2.6E+02	6.3E+02	1.3E+00	1.3E+02	1.3E+00	1.3E+02	1.0E+00
Coronene	---	---	---	---	---	---	1.6E+02	7.1E+02	---	3.1E+01	---	---	4.9E-02	4.9E+00	---
Coumaphos	---	---	---	---	---	---	5.7E+02	2.5E+03	---	1.1E+02	---	---	1.7E-01	1.7E+01	---
Cresol	---	---	---	---	---	1.0E-02	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Cresol, m- (3-methylphenol)	---	---	---	---	---	1.0E-02	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Cresol, o- (2-methylphenol)	---	---	---	---	---	1.0E-02	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Cresol, p- (4-methylphenol)	---	---	---	---	---	1.0E-02	4.1E+02	1.8E+03	---	---	---	---	1.2E-01	1.2E+01	---
Crotonaldehyde	---	3.2E+00	---	---	---	6.3E-03	---	---	---	---	4.8E-04	4.8E-02	---	---	---
Cumene (isopropylbenzene)	---	---	---	---	---	4.2E-01	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Cyanazine	---	7.2E+00	2.5E+01	---	---	---	1.6E+02	7.1E+02	---	---	1.1E-03	1.1E-01	4.9E-02	4.9E+00	---
Cyanide	---	---	---	---	---	5.2E-03	1.6E+03	7.1E+04	---	---	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
Cyanogen	---	---	---	---	---	2.2E-02	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		Secondary MCL[5]
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class3}$[2] (mg/L)	(mg/L)
Cycloate	---	---	---	---	---	---	4.5E+03	2.0E+04	---	---	---	---	1.3E+00	1.3E+02	---
Cyclohexane	---	---	---	---	---	6.3E+00	4.1E+05	---	---	---	---	---	1.2E+02	1.2E+04	---
Cyclohexanol	---	---	---	---	---	2.1E-01	4.1E+05	1.0E+06	---	---	---	---	1.2E+02	1.2E+04	---
Cyclohexanone	---	---	---	---	---	1.0E-01	4.1E+05	---	---	---	---	---	1.2E+02	1.2E+04	---
Cyclotetramethylenetetranitramine (HMX)	---	---	---	---	---	2.8E-03	4.1E+03	2.7E+03	---	---	---	---	1.2E+00	1.2E+02	---
Cyclotrimethylenetrinitramine (RDX)	---	5.5E+01	1.9E+02	---	---	5.2E-04	2.5E+02	1.1E+03	---	---	8.3E-03	8.3E-01	7.3E-02	7.3E+00	---
Cymene (isopropyltoluene)	---	---	---	---	---	3.1E-01	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Cymoxanil	---	---	---	---	---	---	1.1E+03	4.6E+03	---	---	---	---	3.2E-01	3.2E+01	---
Dacthal (DCPA)	---	---	---	---	---	---	8.2E+02	3.6E+03	---	1.6E+02	---	---	2.4E-01	2.4E+01	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	---	---	---	---	---	2.5E+03	1.1E+04	---	---	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
DDD	---	2.5E+01	2.9E+02	---	2.4E+00	---	---	---	---	---	3.8E-03	3.8E-01	---	---	---
DDE	---	1.8E+01	2.0E+02	---	1.7E+00	---	---	---	---	---	2.7E-03	2.7E-01	---	---	---
DDT	2.5E-04	1.8E+01	2.0E+02	---	1.7E+00	---	4.1E+01	5.9E+02	---	7.8E+00	2.7E-03	2.7E-01	1.2E-02	1.2E+00	---
Demeton	---	---	---	---	---	---	3.3E+00	1.4E+01	---	---	---	---	9.8E-04	9.8E-02	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	---	---	---	---	---	3.3E+03	1.4E+04	---	---	---	---	9.8E-01	9.8E+01	---
Diallate	---	1.0E+02	3.4E+02	---	9.6E+00	---	---	---	---	---	1.5E-02	1.5E+00	---	---	---
Diazinon	---	---	---	---	---	1.0E-04	7.4E+01	3.2E+02	---	---	---	---	2.2E-02	2.2E+00	---
Dibenz-a,h-acridine	2.2E-04	5.1E+00	1.7E+01	---	4.9E-01	---	---	---	---	---	7.6E-04	7.6E-02	---	---	---
Dibenz-a,h-anthracene	2.8E-05	8.3E-01	2.2E+00	---	8.0E-02	---	---	---	---	---	2.0E-04	2.0E-02	---	---	---
Dibenz-a,j-acridine	2.8E-04	8.3E+00	2.2E+01	---	8.0E-01	---	---	---	---	---	1.3E-03	1.3E-01	---	---	---
Dibenzofuran	---	---	---	---	---	---	3.3E+02	1.4E+03	---	---	---	---	9.8E-02	9.8E+00	---
Dibenzothiophene	---	---	---	---	---	---	2.5E+02	1.1E+03	---	4.7E+01	---	---	7.3E-02	7.3E+00	---
Dibromochloromethane (chlorodibromomethane)[4]	---	7.2E+01	---	---	---	---	1.6E+03	---	---	---	1.1E-02	1.1E+00	4.9E-01	4.9E+01	---
Dibromo-3-chloropropane, 1,2-	3.5E-02	4.3E+00	1.5E+01	---	---	2.1E-04	---	---	---	---	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---
Dibromofluoromethane	---	---	---	---	---	5.2E+00	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Dicamba	---	---	---	---	---	1.0E-02	2.5E+03	1.1E+04	---	---	---	---	7.3E-01	7.3E+01	---
Dichlorobenzene, 1,2-	---	---	---	---	---	3.1E-02	7.4E+03	---	---	---	6.0E-01	6.0E+01	6.0E-01	6.0E+01	---
Dichlorobenzene, 1,3-	---	---	---	---	---	8.3E-03	2.5E+03	---	---	---	---	---	7.3E-01	7.3E+01	---
Dichlorobenzene, 1,4-	---	2.5E+02	---	---	---	8.3E-01	---	---	---	---	7.5E-02	7.5E+00	7.5E-02	7.5E+00	---
Dichlorobenzidine, 3,3-	---	1.3E+01	4.6E+01	---	---	---	---	---	---	---	2.0E-03	2.0E-01	---	---	---
Dichlorobutane, 2,3-	---	---	---	---	---	7.3E-03	8.2E+02	---	---	---	---	---	2.4E-01	2.4E+01	---
Dichloro-2-butene, 1,4-	9.4E-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichloro-2-butene, 1,4- trans	9.4E-06	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	---	---	5.2E+00	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Dichloroethane, 1,1-	---	---	---	---	---	4.2E-01	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Dichloroethane, 1,2-	9.4E-04	6.7E+01	---	---	---	2.5E+00	---	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Dichloroethylene, 1,1-	---	---	---	---	---	2.1E-01	4.1E+03	---	---	---	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Dichloroethylene, cis-1,2-	---	---	---	---	---	8.3E-01	8.2E+02	---	---	---	7.0E-02	7.0E+00	7.0E-02	7.0E+00	---
Dichloroethylene, trans-1,2	---	---	---	---	---	8.3E-01	1.6E+03	---	---	---	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Dichlorophenol, 2,3-	---	---	---	---	---	5.5E-02	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Dichlorophenol, 2,4-	---	---	---	---	---	5.5E-02	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Dichlorophenol, 2,5-	---	---	---	---	---	5.5E-02	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Dichlorophenol, 2,6-	---	---	---	---	---	1.9E-02	8.2E+01	3.6E+02	---	---	---	---	2.4E-02	2.4E+00	---
Dichlorophenol, 3,4-	---	---	---	---	---	5.5E-02	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Dichlorophenol, 3,5-	---	---	---	---	---	5.5E-02	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	---	---	---	---	---	1.0E-03	8.2E+02	7.1E+03	---	---	7.0E-02	7.0E+00	7.0E-02	7.0E+00	---
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	---	---	---	---	---	6.6E+02	2.8E+03	---	---	---	---	2.0E-01	2.0E+01	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	---	---	---	---	---	8.2E+02	3.6E+03	---	---	---	---	2.4E-01	2.4E+01	---
Dichloropropane, 1,2-	---	8.9E+01	---	---	---	4.2E-03	7.4E+03	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Dichloropropane, 1,3-	6.1E-03	6.1E+01	---	---	---	2.1E-02	2.5E+03	---	---	---	9.1E-03	9.1E-01	7.3E-01	7.3E+01	---
Dichloropropane, 2,2-	---	8.9E+01	---	---	---	4.2E-03	7.4E+03	---	---	---	1.3E-02	1.3E+00	2.2E+00	2.2E+02	---
Dichloropropanol, 2,3-	---	---	---	---	---	---	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Dichloropropene, 1,1-	6.1E-03	6.1E+01	---	---	---	2.1E-02	2.5E+03	---	---	---	9.1E-03	9.1E-01	7.3E-01	7.3E+01	---
Dichloropropene, 1,3- (mixed isomers)	6.1E-03	6.1E+01	---	---	---	2.1E-02	2.5E+03	---	---	---	9.1E-03	9.1E-01	7.3E-01	7.3E+01	---
Dichloropropene, cis 1,3-	---	1.1E+01	---	---	---	7.0E-03	8.2E+00	---	---	---	1.7E-03	1.7E-01	2.4E-03	2.4E-01	---
Dichloropropene, trans 1,3-	6.1E-03	6.1E+01	---	---	---	2.1E-02	2.5E+03	---	---	---	9.1E-03	9.1E-01	7.3E-01	7.3E+01	---
Dichlorvos	---	2.1E+01	7.2E+01	---	---	5.2E-04	4.1E+01	1.8E+02	---	---	3.1E-03	3.1E-01	1.2E-02	1.2E+00	---
Dicrotophos (bidrin)	---	---	---	---	---	---	8.2E+00	3.6E+01	---	---	---	---	2.4E-03	2.4E-01	---
Dicyclopentadiene	---	---	---	---	---	2.8E-02	2.5E+03	---	---	---	---	---	7.3E-01	7.3E+01	---
Dieldrin	5.3E-06	3.8E-01	1.3E+00	---	3.7E-02	---	4.1E+00	1.8E+01	---	7.8E-01	5.7E-05	5.7E-03	1.2E-03	1.2E-01	---
Diethanolamine	---	---	---	---	---	2.1E-03	4.1E+01	1.8E+02	---	---	---	---	1.2E-02	1.2E+00	---
Diethyl phthalate	---	---	---	---	---	5.2E-03	6.6E+04	2.8E+05	---	---	---	---	2.0E+01	2.0E+03	---
Diethylene glycol	---	---	---	---	---	---	1.6E+05	7.1E+05	---	---	---	---	4.9E+01	4.9E+03	---
Diethylene glycol monobutyl ether	---	---	---	---	---	2.1E-02	7.4E+03	3.2E+04	---	---	---	---	2.2E+00	2.2E+02	---
Diethylhexyl adipate	---	5.1E+03	1.7E+04	---	---	1.3E-01	4.9E+04	2.1E+05	---	---	4.0E-01	4.0E+01	4.0E-01	4.0E+01	---
Diethylstilbestrol	---	1.3E-03	4.4E-03	---	1.2E-04	---	---	---	---	---	1.9E-07	1.9E-05	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	---	---	---	---	---	2.1E-01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Diisopropyl ether (2,2'-oxybis-propane)	---	---	---	---	---	1.0E+00	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
Dimethenamid	---	---	---	---	---	---	1.2E+03	5.3E+03	---	---	---	---	3.7E-01	3.7E+01	---
Dimethoate	---	---	---	---	---	---	1.6E+01	7.1E+01	---	---	---	---	4.9E-03	4.9E-01	---
Dimethoxybenzidine, 3,3'-	---	4.3E+02	1.5E+03	---	---	---	---	---	---	---	6.5E-02	6.5E+00	---	---	---
Dimethylaminoazobenzene, p-	---	---	---	---	---	---	8.2E-01	3.6E+00	---	1.6E-01	---	---	2.4E-04	2.4E-02	---
Dimethylbenz-a-anthracene, 7,12-	1.0E-06	2.4E-02	6.4E-02	---	2.3E-03	---	---	---	---	---	3.7E-06	3.7E-04	---	---	---
Dimethylbenzidine, 3,3'-	---	6.6E-01	2.3E+00	---	---	---	---	---	---	---	9.9E-05	9.9E-03	---	---	---
Dimethylnaphthalene, 1,3-	---	---	---	---	---	---	3.3E+03	1.1E+04	---	6.3E+02	---	---	9.8E-01	9.8E+01	---
Dimethyl phenol, 2,4-	---	---	---	---	---	1.7E-02	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Dimethylphenethylamine, alpha, alpha-	---	---	---	---	---	5.2E-01	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Dimethylphthalate	---	---	---	---	---	5.2E-03	6.6E+04	2.8E+05	---	---	---	---	2.0E+01	2.0E+03	---
Di-n-butyl phthalate	---	---	---	---	---	5.2E-03	8.2E+03	3.6E+04	---	1.6E+03	---	---	2.4E+00	2.4E+02	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	---	---	---	---	---	1.0E-03	8.2E+00	3.6E+01	---	---	---	---	2.4E-03	2.4E-01	---
Dinitrobenzene, 1,4-	---	---	---	---	---	1.0E-03	3.3E+01	1.4E+02	---	---	---	---	9.8E-03	9.8E-01	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	---	---	---	---	---	3.1E-04	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Dinitrophenol, 2,4-	---	---	---	---	---	---	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Dinitrophenol, 2,5-	---	---	---	---	---	---	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Dinitrotoluene, 2,4-	---	8.9E+00	3.1E+01	---	---	1.6E-04	1.6E+02	7.1E+02	---	---	1.3E-03	1.3E-01	4.9E-02	4.9E+00	---
Dinitrotoluene, 2,6-	---	8.9E+00	3.1E+01	---	---	1.6E-04	8.2E+01	3.6E+02	---	---	1.3E-03	1.3E-01	2.4E-02	2.4E+00	---
Di-n-octyl phthalate	---	---	---	---	---	---	1.6E+03	7.1E+03	---	3.1E+02	---	---	4.9E-01	4.9E+01	---
Dinoseb	---	---	---	---	---	---	8.2E+01	3.6E+02	---	---	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Dioxane 1,4-	---	5.5E+02	---	---	---	9.4E-02	---	---	---	---	8.3E-02	8.3E+00	---	---	---
Diphenylamine	---	---	---	---	---	1.0E-02	2.0E+03	8.9E+03	---	---	---	---	6.1E-01	6.1E+01	---
Diphenylhydrazine, 1,2-	1.1E-04	7.6E+00	2.6E+01	---	---	---	---	---	---	---	1.1E-03	1.1E-01	---	---	---
Diphenyl oxide	---	---	---	---	---	7.3E-03	5.1E+02	2.2E+03	---	9.7E+01	---	---	1.5E-01	1.5E+01	---
Diquat	---	---	---	---	---	1.0E-04	1.8E+02	7.8E+02	---	---	2.0E-02	2.0E+00	2.0E-02	2.0E+00	---
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	---	---	---	---	---	8.2E+02	3.6E+03	---	---	---	---	2.4E-01	2.4E+01	---
Disulfoton	---	---	---	---	---	1.0E-04	3.3E+00	1.4E+01	---	---	---	---	9.8E-04	9.8E-02	---
Diuron	---	---	---	---	---	1.0E-02	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Dodecylphenol, 4-	---	---	---	---	---	1.3E-01	4.1E+03	1.8E+04	---	7.8E+02	---	---	1.2E+00	1.2E+02	---
Endosulfan	---	---	---	---	---	1.0E-04	4.9E+02	2.1E+03	---	---	---	---	1.5E-01	1.5E+01	---
Endosulfan I	---	---	---	---	---	3.5E-05	1.6E+02	7.1E+02	---	3.1E+01	---	---	4.9E-02	4.9E+00	---
Endosulfan II	---	---	---	---	---	---	4.9E+02	2.1E+03	---	9.4E+01	---	---	1.5E-01	1.5E+01	---
Endosulfan sulfate	---	---	---	---	---	---	4.9E+02	2.1E+03	---	9.4E+01	---	---	1.5E-01	1.5E+01	---
Endothall	---	---	---	---	---	---	1.6E+03	7.1E+03	---	---	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Endrin	---	---	---	---	---	1.0E-04	2.5E+01	1.1E+02	---	4.7E+00	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		Secondary MCL[3]
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	(mg/L)
Endrin aldehyde	---	---	---	---	---	---	2.5E+01	1.1E+02	---	4.7E+00	---	---	7.3E-03	7.3E-01	---
Endrin ketone	---	---	---	---	---	1.0E-04	2.5E+01	1.1E+02	---	4.7E+00	---	---	7.3E-03	7.3E-01	---
Epichlorohydrin	2.0E-02	6.1E+02	---	---	---	1.0E-03	1.6E+02	---	---	---	9.2E-02	9.2E+00	4.9E-02	4.9E+00	---
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate	---	---	---	---	---	---	8.2E-01	3.6E+00	---	---	---	---	2.4E-04	2.4E-02	---
Esfenvalerate	---	---	---	---	---	---	1.6E+02	7.1E+02	---	3.1E+01	---	---	4.9E-02	4.9E+00	---
Ethalfluralin (sonolan)	---	6.8E+01	2.3E+02	---	6.6E+00	---	3.3E+03	1.4E+04	---	6.3E+02	1.0E-02	1.0E+00	9.8E-01	9.8E+01	---
Ethanol	---	---	---	---	---	2.0E+00	1.0E+06	---	---	---	---	---	8.1E+02	8.1E+04	---
Ethion	---	---	---	---	---	4.2E-04	4.1E+01	1.8E+02	---	7.8E+00	---	---	1.2E-02	1.2E+00	---
Ethoprop	---	2.2E+02	7.4E+02	---	---	---	8.2E+00	3.6E+01	---	---	3.2E-02	3.2E+00	2.4E-03	2.4E-01	---
Ethoxy ethanol, 2-	---	---	---	---	---	2.1E-01	3.3E+04	---	---	---	---	---	9.8E+00	9.8E+02	---
Ethyl acetate	---	---	---	---	---	1.5E+00	7.4E+04	---	---	---	---	---	2.2E+01	2.2E+03	---
Ethyl acrylate	---	1.3E+02	---	---	---	1.7E-02	---	---	---	---	1.9E-02	1.9E+00	---	---	---
Ethyl benzene	---	---	---	---	---	1.0E+00	8.2E+03	---	---	---	7.0E-01	7.0E+01	7.0E-01	7.0E+01	---
Ethyl dipropylthiocarbamate, S-	---	---	---	---	---	---	2.0E+03	8.9E+03	---	---	---	---	6.1E-01	6.1E+01	---
Ethylene*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	---	---	---	---	---	2.6E-02	1.6E+03	---	---	---	---	---	4.9E-01	4.9E+01	---
Ethylene dibromide (dibromoethane, 1,2-)	1.1E-04	7.1E-02	---	---	---	2.1E-04	---	---	---	---	5.0E-05	5.0E-03	5.0E-05	5.0E-03	---
Ethylene glycol	---	---	---	---	---	2.7E-02	1.6E+05	7.1E+05	---	---	---	---	4.9E+01	4.9E+03	---
Ethylenimine	1.3E-06	9.3E-02	---	---	---	---	---	---	---	---	1.4E-05	1.4E-03	---	---	---
Ethylene oxide	2.4E-04	6.0E+00	---	---	---	---	---	---	---	---	8.9E-04	8.9E-02	---	---	---
Ethylene thiourea	---	5.5E+01	1.9E+02	---	---	5.2E-03	6.6E+00	2.8E+01	---	---	8.3E-03	8.3E-01	2.0E-03	2.0E-01	---
Ethyl ether	---	---	---	---	---	1.3E+00	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Ethyl-1-hexanol, 2-	---	---	---	---	---	1.7E-01	1.2E+04	5.3E+04	---	---	---	---	3.7E+00	3.7E+02	---
Ethyl-2-hexenal, 2-	---	---	---	---	---	1.7E-01	1.2E+04	---	---	---	---	---	3.7E+00	3.7E+02	---
Ethylhexyl acrylate, 2-	---	1.3E+02	4.3E+02	---	---	1.7E-02	---	---	---	---	1.9E-02	1.9E+00	---	---	---
Ethyl methacrylate	---	---	---	---	---	5.2E-01	7.4E+03	---	---	---	---	---	2.2E+00	2.2E+02	---
Ethyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02	---	---	---	---	---	---	---	9.2E-03	9.2E-01	---	---	---
Ethyl-2-methyl benzene, 1-	---	---	---	---	---	4.2E-01	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Ethyl-4-methyl benzene, 1-	---	---	---	---	---	4.2E-01	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	---	---	---	---	---	3.1E-01	8.2E+01	---	---	---	---	---	2.4E-02	2.4E+00	---
Famphur	---	---	---	---	---	1.0E-03	2.5E+00	1.1E+01	---	---	---	---	7.3E-04	7.3E-02	---
Fensulfothion	---	---	---	---	---	---	8.2E+01	3.6E+02	---	---	---	---	2.4E-02	2.4E+00	---
Fenthion	---	---	---	---	---	---	5.7E+00	2.5E+01	---	---	---	---	1.7E-03	1.7E-01	---
Fluoranthene	---	---	---	---	---	---	3.3E+03	1.1E+04	---	6.3E+02	---	---	9.8E-01	9.8E+01	---
Fluorene	---	---	---	---	---	---	3.3E+03	1.1E+04	---	6.3E+02	---	---	9.8E-01	9.8E+01	---
Fluorine (soluble fluoride)	---	---	---	---	---	2.1E-04	4.9E+03	2.1E+05	---	---	4.0E+00	4.0E+02	4.0E+00	4.0E+02	2.0E+00
Fluorochlordone	---	---	---	---	---	1.0E-02	6.1E+02	2.7E+03	---	---	---	---	1.8E-01	1.8E+01	---
Fonofos	---	---	---	---	---	---	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Formaldehyde	1.9E-03	---	---	---	---	1.0E-02	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Formic acid	---	---	---	---	---	9.8E-03	1.6E+05	---	---	---	---	---	4.9E+01	4.9E+03	---
Furan	---	---	---	---	---	2.9E-02	8.2E+01	---	---	---	---	---	2.4E-02	2.4E+00	---
Furfural	---	---	---	---	---	8.3E-03	2.5E+02	---	---	---	---	---	7.3E-02	7.3E+00	---
Glycidylaldehyde	---	---	---	---	---	1.0E-03	3.3E+01	---	---	---	---	---	9.8E-03	9.8E-01	---
Glyphosate	---	---	---	---	---	---	8.2E+03	3.6E+04	---	---	7.0E-01	7.0E+01	7.0E-01	7.0E+01	---
Heptachlor	1.9E-05	1.3E+00	4.6E+00	---	1.3E-01	---	4.1E+01	1.8E+02	---	7.8E+00	4.0E-04	4.0E-02	4.0E-04	4.0E-02	---
Heptachlor epoxide	9.4E-06	6.7E-01	2.3E+00	---	6.4E-02	---	1.1E+00	4.6E+00	---	2.0E-01	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---
Heptane, n-	---	---	---	---	---	1.9E+01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Heptanoic acid, n-	---	---	---	---	---	1.0E-03	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Hexachlorobenzene	5.3E-05	3.8E+00	1.3E+01	---	3.7E-01	---	6.6E+01	2.8E+02	---	1.3E+01	1.0E-03	1.0E-01	1.0E-03	1.0E-01	---
Hexachlorobutadiene	1.1E-03	7.8E+01	2.7E+02	---	---	---	1.6E+01	7.1E+01	---	---	1.2E-02	1.2E+00	4.9E-03	4.9E-01	---
Hexachlorocyclohexane, alpha (alpha-BHC)	1.4E-05	9.6E-01	8.2E+00	---	9.3E-02	---	6.6E+02	7.1E+03	---	1.3E+02	1.4E-04	1.4E-02	2.0E-01	2.0E+01	---
Hexachlorocyclohexane, beta (beta-BHC)	4.6E-05	3.4E+00	2.9E+01	---	3.2E-01	---	---	---	---	---	5.1E-04	5.1E-02	---	---	---

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{<Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{<Class\ 3}$ [2] (mg/L)	Secondary MCL[3] (mg/L)
Hexachlorocyclohexane, delta (delta-BHC)	4.8E-05	3.4E+00	2.9E+01	---	---	---	2.5E+01	2.7E+02	---	---	5.1E-04	5.1E-02	7.3E-03	7.3E-01	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC	---	4.7E+00	4.0E+01	---	4.5E-01	5.2E-04	2.5E+01	2.7E+02	---	4.7E+00	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---
Hexachlorocyclohexane, techn (technical-BHC)	4.8E-05	3.4E+00	2.9E+01	---	3.2E-01	---	---	---	---	---	5.1E-04	5.1E-02	---	---	---
Hexachlorocyclopentadiene (HCCPD)	---	---	---	---	---	2.1E-04	4.9E+02	2.1E+03	---	---	5.0E-02	5.0E+00	5.0E-02	5.0E+00	---
Hexachloroethane	6.1E-03	4.3E+02	1.5E+03	---	---	---	8.2E+01	3.6E+02	---	---	6.5E-02	6.5E+00	2.4E-02	2.4E+00	---
Hexachlorophene	---	---	---	---	---	---	2.5E+01	1.1E+02	---	4.7E+00	---	---	7.3E-03	7.3E-01	---
Hexachloropropylene	6.1E-03	4.3E+02	1.5E+03	---	---	---	8.2E+01	3.6E+02	---	---	6.5E-02	6.5E+00	2.4E-02	2.4E+00	---
Hexane, n-	---	---	---	---	---	2.1E-01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Hexanediol, 1,6-	---	---	---	---	---	1.9E+01	4.1E+05	1.0E+06	---	---	---	---	1.2E+02	1.2E+04	---
Hexanoic acid	---	---	---	---	---	1.0E-03	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Hexanone, 2-	---	---	---	---	---	4.2E-03	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Hexazinone	---	---	---	---	---	5.2E-03	2.7E+03	1.2E+04	---	---	---	---	8.1E-01	8.1E+01	---
Hexylene glycol (2-methyl-2,4-pentanediol)	---	---	---	---	---	1.6E-04	2.5E+04	1.1E+05	---	---	---	---	7.3E+00	7.3E+02	---
Hydrazine	5.0E-06	2.0E+00	---	---	---	---	---	---	---	---	3.0E-04	3.0E-02	---	---	---
Hydrogen chloride (hydrochloric acid)*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Indene	---	---	---	---	---	3.1E-03	1.6E+03	---	---	---	---	---	4.9E-01	4.9E+01	---
Indeno-1,2,3-cd-pyrene	2.8E-04	8.3E+00	2.2E+01	---	8.0E-01	---	---	---	---	---	1.3E-03	1.3E-01	---	---	---
Iron*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.0E-01
Isobutyl alcohol	---	---	---	---	---	1.6E-01	2.5E+04	---	---	---	---	---	7.3E+00	7.3E+02	---
Isobutylene (2-methyl-1-propene)	---	---	---	---	---	4.2E+00	---	---	---	---	---	---	---	---	---
Isobutyric acid (2-methylpropanoic acid)	---	---	---	---	---	1.0E-03	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Isodrin	5.0E-07	3.6E-02	1.2E-01	---	---	---	2.5E-01	1.1E+00	---	---	5.4E-06	5.4E-04	7.3E-05	7.3E-03	---
Isophorone	---	6.4E+03	2.2E+04	---	---	2.4E-02	1.6E+04	7.1E+04	---	---	9.6E-01	9.6E+01	4.9E+00	4.9E+02	---
Isopropyl acetate	---	---	---	---	---	---	5.7E+03	---	---	---	---	---	1.7E+00	1.7E+02	---
Isopropyl alcohol	---	---	---	---	---	7.3E-01	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Isosafrole	3.9E-04	2.8E+01	9.4E+01	---	---	---	---	---	---	---	4.1E-03	4.1E-01	---	---	---
Kelthane (dicofol)	---	---	---	---	---	---	4.9E+02	2.1E+03	---	9.4E+01	---	---	1.5E-01	1.5E+01	---
Kepone (chlordecone)	5.3E-06	3.8E-01	1.3E+00	---	3.7E-02	---	4.1E+01	1.8E+02	---	7.8E+00	5.7E-05	5.7E-03	1.2E-02	1.2E+00	---
Lead (inorganic)	NA	NA	NA	NA	NA	NA	5.0E+02	NA	NA	NA	1.5E-02	1.5E+00	1.5E-02	1.5E+00	---
Limonene, d-*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lithium	---	---	---	---	---	---	1.6E+03	7.1E+04	1.3E+02	3.1E+02	---	---	4.9E-01	4.9E+01	---
Magnesium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Malathion	---	---	---	---	---	5.2E-03	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Maleic anhydride	---	---	---	---	---	1.0E-03	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Maleic hydrazide	---	---	---	---	---	1.0E-01	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Malononitrile	---	---	---	---	---	8.3E-03	1.6E+00	7.1E+00	---	---	---	---	4.9E-04	4.9E-02	---
Mancozeb	---	---	---	---	---	---	2.5E+03	1.1E+04	---	---	---	---	7.3E-01	7.3E+01	---
Manganese	---	---	---	---	---	5.2E-05	1.1E+04	3.0E+04	9.1E+02	2.2E+03	---	---	1.1E+00	1.1E+02	5.0E-02
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	---	---	---	---	---	4.1E+01	1.8E+02	---	---	---	---	1.2E-02	1.2E+00	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	---	---	---	---	---	8.2E+01	3.6E+02	---	---	---	---	2.4E-02	2.4E+00	---
Merphos	---	---	---	---	---	---	2.5E+00	1.1E+01	---	---	---	---	7.3E-04	7.3E-02	---
Mercury	---	---	---	---	---	3.1E-04	2.5E+01	7.5E+01	2.0E+00	---	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Methacrylic acid (2-methyl-2-propenoic acid)	---	---	---	---	---	7.3E-02	8.2E+02	---	---	---	---	---	2.4E-01	2.4E+01	---
Methacrylonitrile	---	---	---	---	---	2.8E-03	8.2E+00	---	---	---	---	---	2.4E-03	2.4E-01	---
Methanol	---	---	---	---	---	2.7E-01	4.1E+04	---	---	---	---	---	1.2E+01	1.2E+03	---
Methapyrilene	---	1.3E+00	4.4E+00	---	---	3.1E-04	---	---	---	---	1.9E-04	1.9E-02	---	---	---
Methomyl	---	---	---	---	---	2.6E-03	2.0E+03	8.9E+03	---	---	---	---	6.1E-01	6.1E+01	---
Methoxychlor	---	---	---	---	---	5.2E-03	4.1E+02	1.8E+03	---	7.8E+01	4.0E-02	4.0E+00	4.0E-02	4.0E+00	---
Methoxyethanol, 2-	---	---	---	---	---	2.1E-02	---	---	---	---	---	---	---	---	---
Methyl acetate (acetic acid, methyl ester)	---	---	---	---	---	6.3E-01	8.2E+04	---	---	---	---	---	2.4E+01	2.4E+03	---
Methyl acrylate	---	---	---	---	---	7.3E-03	1.6E+02	---	---	---	---	---	4.9E-02	4.9E+00	---
Methyl amyl ketone (2-heptanone)	---	---	---	---	---	2.4E-01	4.1E+03	---	---	---	---	---	1.2E+00	1.2E+02	---

Table 9
Individual RBELs
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Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Methyl-1-butene, 2-	---	---	---	---	---	1.9E+01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Methyl-2-butene, 2-	---	---	---	---	---	1.9E+01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Methylcholanthrene, 3-	1.2E-05	2.8E-01	7.3E-01	---	2.7E-02	---	---	---	---	---	4.1E-05	4.1E-03	---	---	---
Methyl chrysene, 1-	2.8E-02	8.3E+02	2.2E+03	---	8.0E+01	---	---	---	---	---	1.3E-01	1.3E+01	---	---	---
Methyl chrysene, 2-	2.8E-02	8.3E+02	2.2E+03	---	8.0E+01	---	---	---	---	---	1.3E-01	1.3E+01	---	---	---
Methyl chrysene, 6-	2.8E-03	8.3E+01	2.2E+02	---	8.0E+00	---	---	---	---	---	1.3E-02	1.3E+00	---	---	---
Methyl cyclohexane	---	---	---	---	---	3.1E+00	4.1E+05	---	---	---	---	---	1.2E+02	1.2E+04	---
Methylene-bis (2-chloroaniline) 4,4'-	6.6E-04	4.7E+01	1.6E+02	---	---	---	5.7E+01	2.5E+02	---	---	7.0E-03	7.0E-01	1.7E-02	1.7E+00	---
Methylene bromide (dibromomethane)	---	8.1E+02	---	---	---	1.4E-02	4.9E+03	---	---	---	1.2E-01	1.2E+01	1.5E+00	1.5E+02	---
Methylene chloride (dichloromethane)	5.2E-02	8.1E+02	---	---	---	3.1E+00	4.9E+03	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Methyl ethyl ketone (2-butanone)	---	---	---	---	---	5.2E+00	4.9E+04	---	---	---	---	---	1.5E+01	1.5E+03	---
Methyl iodide (iodomethane)	---	---	---	---	---	1.3E-02	1.1E+02	---	---	---	---	---	3.4E-02	3.4E+00	---
Methyl isobutyl ketone (4-methyl-2-pentanone)	---	---	---	---	---	3.1E+00	6.6E+03	---	---	---	---	---	2.0E+00	2.0E+02	---
Methyl mercury	---	---	---	---	---	1.0E-05	8.2E+00	3.6E+02	---	---	---	---	2.4E-03	2.4E-01	---
Methylmecury hydroxide	---	---	---	---	---	1.0E-05	8.2E+00	3.6E+01	---	---	---	---	2.4E-03	2.4E-01	---
Methyl methacrylate	---	---	---	---	---	7.3E-01	1.1E+05	---	---	---	---	---	3.4E+01	3.4E+03	---
Methyl methanesulfonate	8.7E-04	6.1E+01	2.1E+02	---	---	---	---	---	---	---	9.2E-03	9.2E-01	---	---	---
Methylnaphthalene, 1-	---	---	---	---	---	---	5.7E+03	1.9E+04	---	---	---	---	1.7E+00	1.7E+02	---
Methylnaphthalene, 2-	---	---	---	---	---	---	3.3E+02	1.1E+03	---	---	---	---	9.8E-02	9.8E+00	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	---	1.8E+02	6.3E+02	---	---	---	---	---	---	---	2.8E-02	2.8E+00	---	---	---
Methyl parathion	---	---	---	---	---	2.1E-04	2.0E+01	8.9E+01	---	---	---	---	6.1E-03	6.1E-01	---
Methyl-2-pentenal, 2-	---	3.2E+00	---	---	---	6.3E-03	---	---	---	---	4.8E-04	4.8E-02	---	---	---
Methyl-1-propanal, 2- (isobutyraldehyde)	---	---	---	---	---	3.0E-01	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Methylpyrrolidone, N-	---	---	---	---	---	8.3E-02	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Methyltetrahydrofuran, 2-	1.3E-02	8.0E+02	---	---	---	---	1.6E+04	---	---	---	1.2E-01	1.2E+01	4.9E+00	4.9E+02	---
Methyltetrahydropyran, 2-	1.3E-02	8.0E+02	---	---	---	---	1.6E+04	---	---	---	1.2E-01	1.2E+01	4.9E+00	4.9E+02	---
Metolachlor	---	---	---	---	---	---	1.2E+04	5.3E+04	---	---	---	---	3.7E+00	3.7E+02	---
Metribuzin	---	---	---	---	---	---	2.0E+03	8.9E+03	---	---	---	---	6.1E-01	6.1E+01	---
Mirex	---	---	---	---	---	---	1.6E+01	7.1E+01	---	---	---	---	4.9E-03	4.9E-01	---
Molinate	---	---	---	---	---	---	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Molybdenum	---	---	---	---	---	5.2E-03	4.1E+02	6.8E+03	3.3E+01	7.8E+01	---	---	1.2E-01	1.2E+01	---
Morpholine	---	---	---	---	---	1.0E-03	1.0E+06	---	---	---	---	---	1.2E+04	1.0E+06	---
MTBE (methyl tert-butyl ether)[5]	9.4E-02	3.4E+03	---	---	---	3.1E+00	8.2E+02	---	---	---	5.1E-01	5.1E+01	2.4E-01	2.4E+01	1.5E-02
Naled	---	---	---	---	---	3.1E-03	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Naphthalene	---	---	---	---	---	3.1E-03	1.6E+03	5.5E+03	---	---	---	---	4.9E-01	4.9E+01	---
Naphthoquinone, 1,4-	---	---	---	---	---	1.0E-04	5.7E+02	2.5E+03	---	---	---	---	1.7E-01	1.7E+01	---
Naphthylamine, 1-	---	---	---	---	---	---	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Naphthylamine, 2-	---	3.4E+00	1.2E+01	---	---	---	---	---	---	---	5.1E-04	5.1E-02	---	---	---
Napropamide	---	---	---	---	---	---	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Neopentyl glycol	---	---	---	---	---	---	2.5E+04	1.1E+05	---	---	---	---	7.3E+00	7.3E+02	---
Nickel and compounds	5.1E-05	---	---	---	---	9.4E-05	1.6E+03	2.8E+03	1.3E+02	3.1E+02	---	---	4.9E-01	4.9E+01	---
Nitrate	---	---	---	---	---	---	1.3E+05	1.0E+06	---	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Nitrite	---	---	---	---	---	---	8.2E+03	3.6E+05	---	---	1.0E+00	1.0E+02	1.0E+00	1.0E+02	---
Nitroaniline, 2-	---	---	---	---	---	2.1E-04	2.5E+01	1.1E+02	---	---	---	---	7.3E-03	7.3E-01	---
Nitroaniline, 3-	---	1.6E+02	5.5E+02	---	---	3.1E-03	2.5E+01	1.1E+02	---	---	2.4E-02	2.4E+00	7.3E-03	7.3E-01	---
Nitroaniline, 4-	---	1.6E+02	5.5E+02	---	---	3.1E-03	2.5E+02	1.1E+03	---	---	2.4E-02	2.4E+00	7.3E-02	7.3E+00	---
Nitrobenzene	---	---	---	---	---	5.2E-03	4.1E+01	1.8E+02	---	---	---	---	1.2E-02	1.2E+00	---
Nitroglycerin	---	4.3E+02	1.5E+03	---	---	---	5.7E+00	2.5E+01	---	---	6.5E-02	6.5E+00	1.7E-03	1.7E-01	---
Nitrophenol, 2-	---	---	---	---	---	4.2E-03	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Nitrophenol, 3-	---	---	---	---	---	4.2E-03	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Nitrophenol, 4-	---	---	---	---	---	1.0E-03	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Nitropropane, 2-	9.0E-06	---	---	---	---	2.1E-02	---	---	---	---	---	---	---	---	---

Table 9
Individual RBELs
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Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Nitroquinoline-N-oxide, 4-	9.0E-06	6.5E-01	2.2E+00	---	---	---	---	---	---	---	9.7E-05	9.7E-03	---	---	---
Nitrosodiethanolamine, N-	---	2.2E+00	7.4E+00	---	---	---	---	---	---	---	3.3E-04	3.3E-02	---	---	---
Nitrosodiethylamine, N-	5.7E-07	4.0E-02	---	---	---	---	---	---	---	---	6.1E-06	6.1E-04	---	---	---
Nitrosodimethylamine, N-	1.7E-06	1.2E-01	---	---	---	---	---	---	---	---	1.8E-05	1.8E-03	---	---	---
Nitrosodi-n-butylamine, N-	1.5E-05	1.1E+00	3.8E+00	---	---	---	---	---	---	---	1.7E-04	1.7E-02	---	---	---
Nitrosodi-n-propylamine, N-	---	8.7E-01	7.4E-01	---	---	---	---	---	---	---	1.3E-04	1.3E-02	---	---	---
Nitrosodiphenylamine, N-	---	1.2E+03	1.1E+03	---	---	---	---	---	---	---	1.9E-01	1.9E+01	---	---	---
Nitroso-methyl-ethyl-amine, N-	---	2.8E-01	---	---	---	---	---	---	---	---	4.1E-05	4.1E-03	---	---	---
Nitrosomorpholine, N-	1.3E-05	9.1E-01	3.1E+00	---	---	---	---	---	---	---	1.4E-04	1.4E-02	---	---	---
Nitroso-N-ethylurea, N-	---	4.3E-02	1.5E-01	---	---	---	---	---	---	---	6.5E-06	6.5E-04	---	---	---
Nitrosopiperidine, N-	9.0E-06	6.5E-01	2.2E+00	---	---	---	---	---	---	---	9.7E-05	9.7E-03	---	---	---
Nitrosopyrrolidine, N-	4.0E-05	2.9E+00	9.9E+00	---	---	---	---	---	---	---	4.3E-04	4.3E-02	---	---	---
Nitrotoluene, m-	---	---	---	---	---	1.1E-02	8.2E+02	3.6E+03	---	---	---	---	2.4E-01	2.4E+01	---
Nitrotoluene, o-	---	---	---	---	---	1.1E-02	8.2E+02	3.6E+03	---	---	---	---	2.4E-01	2.4E+01	---
Nitrotoluene, p-	---	---	---	---	---	1.1E-02	8.2E+02	3.6E+03	---	---	---	---	2.4E-01	2.4E+01	---
Nonachlor, cis-	2.4E-04	1.7E+01	5.9E+01	---	1.7E+00	7.3E-04	4.1E+01	1.8E+02	---	7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00	---
Nonachlor, trans-	2.4E-04	1.7E+01	5.9E+01	---	1.7E+00	7.3E-04	4.1E+01	1.8E+02	---	7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00	---
Nonanal	---	---	---	---	---	---	1.6E+04	7.1E+04	---	---	---	---	4.9E+00	4.9E+02	---
Nonylphenol	---	---	---	---	---	4.2E-02	4.1E+03	1.8E+04	---	7.8E+02	---	---	1.2E+00	1.2E+02	---
Octamethylpyrophosphoramide	---	---	---	---	---	---	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Octanone	---	---	---	---	---	1.9E+01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Oxamyl	---	---	---	---	---	---	2.0E+03	8.9E+03	---	---	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
Oxychlordane	2.4E-04	1.7E+01	5.9E+01	---	1.7E+00	7.3E-04	4.1E+01	1.8E+02	---	7.8E+00	2.6E-03	2.6E-01	1.2E-02	1.2E+00	---
Paraquat	---	---	---	---	---	---	3.7E+02	1.6E+03	---	---	---	---	1.1E-01	1.1E+01	---
Parathion (ethyl parathion)	---	---	---	---	---	5.2E-05	4.9E+02	2.1E+03	---	---	---	---	1.5E-01	1.5E+01	---
Pebulate	---	---	---	---	---	---	4.1E+03	1.8E+04	---	---	---	---	1.2E+00	1.2E+02	---
Pendimethalin	---	---	---	---	---	---	3.3E+03	1.4E+04	---	6.3E+02	---	---	9.8E-01	9.8E+01	---
Pentachlorobenzene	---	---	---	---	---	1.0E-01	6.6E+01	2.8E+02	---	---	---	---	2.0E-02	2.0E+00	---
Pentachloroethane	3.3E-03	2.3E+02	---	---	---	---	2.5E+03	---	---	---	3.5E-02	3.5E+00	7.3E-01	7.3E+01	---
Pentachloronitrobenzene	---	2.3E+01	8.0E+01	---	2.2E+00	5.2E-04	2.5E+02	1.1E+03	---	4.7E+01	3.5E-03	3.5E-01	7.3E-02	7.3E+00	---
Pentachlorophenol	---	5.1E+01	6.9E+01	---	4.9E+00	5.2E-04	2.5E+03	4.3E+03	---	4.7E+02	1.0E-03	1.0E-01	1.0E-03	1.0E-01	---
Pentadiene, 1,3-trans-	---	---	---	---	---	1.9E+01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Pentaerythritol tetranitrate (PETN)	---	---	---	---	---	---	3.3E+04	1.4E+05	---	---	---	---	9.8E+00	9.8E+02	---
Pentane	---	---	---	---	---	3.7E-01	5.7E+04	---	---	---	---	---	1.7E+01	1.7E+03	---
Pentanediol, 1,5-	---	---	---	---	---	1.9E+01	4.1E+05	1.0E+06	---	---	---	---	1.2E+02	1.2E+04	---
Pentanone, 2-	---	---	---	---	---	5.2E-01	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Pentyne, 1-	---	---	---	---	---	1.9E+01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
Perchlorate[6]	---	---	---	---	---	---	8.2E+00	7.1E+01	---	---	---	---	4.0E-03	2.4E-01	---
Perylene	---	---	---	---	---	---	1.6E+03	7.1E+03	---	3.1E+02	---	---	4.9E-01	4.9E+01	---
Phenacetin	3.9E-02	2.8E+03	9.4E+03	---	---	---	---	---	---	---	4.1E-01	4.1E+01	---	---	---
Phenanthrene	---	---	---	---	---	---	2.5E+03	8.2E+03	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
Phenanthridine	---	---	---	---	---	---	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Phenol	---	---	---	---	---	2.0E-02	2.5E+04	1.1E+05	---	---	---	---	7.3E+00	7.3E+02	---
Phenylene diamine, m-	---	---	---	---	---	1.0E-04	4.9E+02	2.1E+03	---	---	---	---	1.5E-01	1.5E+01	---
Phenylene diamine, p-	---	---	---	---	---	1.0E-04	1.6E+04	6.8E+04	---	---	---	---	4.6E+00	4.6E+02	---
Phenyl mercuric acetate	---	---	---	---	---	---	6.6E+00	2.8E+01	---	---	---	---	2.0E-03	2.0E-01	---
Phorate	---	---	---	---	---	5.2E-05	1.6E+01	7.1E+01	---	---	---	---	4.9E-03	4.9E-01	---
Phosalone	---	---	---	---	---	---	1.6E+02	7.1E+02	---	---	---	---	4.9E-02	4.9E+00	---
Phosdrin (mevinphos)	---	---	---	---	---	---	2.0E+00	8.9E+00	---	---	---	---	6.1E-04	6.1E-02	---
Phosmet	---	---	---	---	---	2.1E-03	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Phosphine	---	---	---	---	---	3.1E-04	2.5E+01	2.1E+02	---	---	---	---	7.3E-03	7.3E-01	---
Phosphorus, total*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 9
Individual RBELs
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Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	Secondary MCL[3] (mg/L)
Phosphorus, white	---	---	---	---	---	1.0E-04	1.6E+00	1.4E+01	---	---	---	---	4.9E-04	4.9E-02	---
Phthalic anhydride	---	---	---	---	---	1.3E-01	1.6E+05	7.1E+05	---	---	---	---	4.9E+01	4.9E+03	---
Picloram	---	---	---	---	---	---	5.7E+03	2.5E+04	---	---	5.0E-01	5.0E+01	5.0E-01	5.0E+01	---
Picoline, 2- (2-methylpyridine)	---	---	---	---	---	3.1E-04	7.4E+02	---	---	---	---	---	2.2E-01	2.2E+01	---
Polybrominated biphenyls (PBBs)	---	6.8E-01	2.3E+00	---	6.6E-02	---	5.7E-01	2.5E+00	---	1.1E-01	1.0E-04	1.0E-02	1.7E-04	1.7E-02	---
Polychlorinated biphenyls (PCBs)	4.3E-05	3.0E+00	7.4E+00	---	2.9E-01	---	1.6E+00	5.1E+00	---	3.1E-01	5.0E-04	5.0E-02	5.0E-04	5.0E-02	---
Potassium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Primene	---	---	---	---	---	6.3E-03	4.9E+02	2.1E+03	---	9.4E+01	---	---	1.5E-01	1.5E+01	---
Prometon (pramitol)	---	---	---	---	---	---	1.2E+03	5.3E+03	---	---	---	---	3.7E-01	3.7E+01	---
Pronamide	---	---	---	---	---	---	6.1E+03	2.7E+04	---	---	---	---	1.8E+00	1.8E+02	---
Propanal (propionaldehyde)	---	---	---	---	---	1.9E-01	6.6E+02	---	---	---	---	---	2.0E-01	2.0E+01	---
Propanil	---	---	---	---	---	---	4.1E+02	1.8E+03	---	---	---	---	1.2E-01	1.2E+01	---
Propanoic acid (propionic acid)	---	---	---	---	---	1.0E-03	4.1E+04	---	---	---	---	---	1.2E+01	1.2E+03	---
Propanol, 1-	---	---	---	---	---	5.2E-01	1.6E+04	---	---	---	---	---	4.9E+00	4.9E+02	---
Propargite	---	---	---	---	---	---	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Propargyl alcohol	---	---	---	---	---	2.4E-03	1.6E+02	---	---	---	---	---	4.9E-02	4.9E+00	---
Propazine	---	1.4E+02	4.7E+02	---	---	---	1.6E+03	7.1E+03	---	---	2.1E-02	2.1E+00	4.9E-01	4.9E+01	---
Propham	---	---	---	---	---	---	1.6E+03	7.1E+03	---	---	---	---	4.9E-01	4.9E+01	---
Propionitrile (propane nitrile)	---	---	---	---	---	1.0E-02	3.3E+01	---	---	---	---	---	9.8E-03	9.8E-01	---
Propyl acetate, n-	---	---	---	---	---	---	7.4E+03	---	---	---	---	---	2.2E+00	2.2E+02	---
Propylbenzene, n-	---	---	---	---	---	4.2E-01	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Propylene glycol	---	---	---	---	---	1.6E-01	1.0E+06	1.0E+06	---	---	---	---	4.9E+02	4.9E+04	---
Propylene glycol monomethyl ether	---	---	---	---	---	2.1E+00	5.7E+04	---	---	---	---	---	1.7E+01	1.7E+03	---
Propylene oxide	6.6E-03	2.5E+01	---	---	---	3.1E-02	---	---	---	---	3.8E-03	3.8E-01	---	---	---
Propylene tetramer	---	---	---	---	---	1.0E+00	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Pyrene	---	---	---	---	---	---	2.5E+03	8.2E+03	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
Pyridine	---	---	---	---	---	1.6E-02	8.2E+01	---	---	---	---	---	2.4E-02	2.4E+00	---
Quinoline	---	2.0E+00	6.9E+00	---	---	5.2E-04	---	---	---	---	3.0E-04	3.0E-02	---	---	---
Ronnel	---	---	---	---	---	---	4.1E+03	1.8E+04	---	7.8E+02	---	---	1.2E+00	1.2E+02	---
Safrole	3.9E-04	2.8E+01	9.4E+01	---	---	---	---	---	---	---	4.1E-03	4.1E-01	---	---	---
Selenium	---	---	---	---	---	2.1E-04	4.1E+02	1.8E+04	3.3E+01	7.8E+01	5.0E-02	5.0E+00	5.0E-02	5.0E+00	---
Selenourea	---	---	---	---	---	---	4.1E+02	---	---	---	---	---	1.2E-01	1.2E+01	---
Silver	---	---	---	---	---	1.0E-05	4.1E+02	7.1E+02	3.3E+01	7.8E+01	---	---	1.2E-01	1.2E+01	1.0E-01
Simazine	---	5.1E+01	1.7E+02	---	---	---	4.1E+02	1.8E+03	---	---	4.0E-03	4.0E-01	4.0E-03	4.0E-01	---
Sodium*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	---	2.2E+01	---	---	---	5.2E-03	2.5E+03	---	---	---	3.4E-03	3.4E-01	7.3E-01	7.3E+01	---
Sodium polyacrylate	---	---	---	---	---	1.0E-03	4.1E+04	---	---	---	---	---	1.2E+01	1.2E+03	---
Strontium	---	---	---	---	---	---	4.9E+04	4.3E+05	3.9E+03	9.4E+03	---	---	1.5E+01	1.5E+03	---
Strychnine	---	---	---	---	---	---	2.5E+01	1.1E+02	---	---	---	---	7.3E-03	7.3E-01	---
Styrene	---	---	---	---	---	1.0E+00	1.6E+04	---	---	---	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Sulfate*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.0E+02
Sulfide*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	---	---	---	---	---	---	1.6E+00	7.1E+00	---	---	---	---	4.9E-04	4.9E-02	---
Sulfur*	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	NA	NA	NA	NA	NA	NA	---	NA	NA	NA	3.0E-08	3.0E-06	3.0E-08	3.0E-06	---
Tebuconazole	---	---	---	---	---	---	2.5E+03	1.1E+04	---	---	---	---	7.3E-01	7.3E+01	---
Tebuthiuron	---	---	---	---	---	---	5.7E+03	2.5E+04	---	---	---	---	1.7E+00	1.7E+02	---
Terbufos	---	---	---	---	---	---	2.0E+00	8.9E+00	---	---	---	---	6.1E-04	6.1E-02	---
Tert-amyl-methyl ether (TAME)	---	---	---	---	---	---	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
Tert-butyl alcohol (2-methyl-2-propanol)	---	---	---	---	---	3.1E-01	7.4E+03	---	---	---	---	---	2.2E+00	2.2E+02	---
Tetrachlorobenzene, 1,2,3,4-	---	---	---	---	---	3.7E-01	2.5E+01	1.1E+02	---	---	---	---	7.3E-03	7.3E-01	---
Tetrachlorobenzene, 1,2,3,5-	---	---	---	---	---	3.7E-01	2.5E+01	1.1E+02	---	4.7E+00	---	---	7.3E-03	7.3E-01	---

Table 9
Individual RBELs
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Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Tetrachlorobenzene, 1,2,4,5-	---	---	---	---	---	3.7E-01	2.5E+01	1.1E+02	---	---	---	---	7.3E-03	7.3E-01	---
Tetrachloroethane, 1,1,1,2-	3.3E-03	2.3E+02	---	---	---	---	2.5E+03	---	---	---	3.5E-02	3.5E+00	7.3E-01	7.3E+01	---
Tetrachloroethane, 1,1,2,2-	4.2E-04	3.0E+01	---	---	---	---	3.3E+03	---	---	---	4.6E-03	4.6E-01	9.8E-01	9.8E+01	---
Tetrachloroethylene (perchlorethylene)	4.2E-02	1.2E+02	---	---	---	2.8E-01	8.2E+02	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Tetrachlorophenol, 2,3,4,5-	---	---	---	---	---	7.3E-03	2.5E+03	1.1E+04	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
Tetrachlorophenol, 2,3,4,6-	---	---	---	---	---	7.3E-03	2.5E+03	1.1E+04	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
Tetrachlorophenol, 2,3,5,6-	---	---	---	---	---	7.3E-03	2.5E+03	1.1E+04	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
Tetradifon	---	---	---	---	---	---	1.6E+03	7.1E+03	---	3.1E+02	---	---	4.9E-01	4.9E+01	---
Tetraethyl dithiopyrophosphate (sulfotep)	---	---	---	---	---	2.1E-04	4.1E+01	1.8E+02	---	---	---	---	1.2E-02	1.2E+00	---
Tetraethyl lead	---	---	---	---	---	7.8E-05	8.2E-03	3.6E-02	---	---	---	---	2.4E-06	2.4E-04	---
Tetrahydrofuran	1.3E-02	8.0E+02	---	---	---	3.1E-01	1.6E+04	---	---	---	1.2E-01	1.2E+01	4.9E+00	4.9E+02	---
Tetrahydropyran	1.3E-02	8.0E+02	---	---	---	---	1.6E+04	---	---	---	1.2E-01	1.2E+01	4.9E+00	4.9E+02	---
Thallium and compounds (as thallium chloride)	---	---	---	---	---	1.0E-04	6.6E+00	2.8E+02	5.2E-01	1.3E+00	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Thiofanox	---	---	---	---	---	8.3E-04	2.5E+01	1.1E+02	---	---	---	---	7.3E-03	7.3E-01	---
Thionazin	---	---	---	---	---	---	5.7E+00	2.5E+01	---	---	---	---	1.7E-03	1.7E-01	---
Thiophanate-methyl	---	---	---	---	---	---	6.6E+03	2.8E+04	---	---	---	---	2.0E+00	2.0E+02	---
Thiram	---	---	---	---	---	1.0E-03	4.1E+02	1.8E+03	---	---	---	---	1.2E-01	1.2E+01	---
Tin	---	---	---	---	---	2.1E-02	4.9E+04	2.1E+05	3.9E+03	9.4E+03	---	---	1.5E+01	1.5E+03	---
Titanium	---	---	---	---	---	---	1.0E+06	1.0E+06	---	1.0E+06	---	---	1.2E+04	1.0E+06	---
Toluene	---	---	---	---	---	4.2E-01	1.6E+04	---	---	---	1.0E+00	1.0E+02	1.0E+00	1.0E+02	---
Toluenediamine, 2,4-	---	1.9E+00	6.5E+00	---	---	5.2E-03	---	---	---	---	2.9E-04	2.9E-02	---	---	---
Toluenediamine, 2,6-	---	---	---	---	---	---	1.6E+04	7.1E+04	---	---	---	---	4.9E+00	4.9E+02	---
Toluene diisocyanate, 2,4/2,6-	---	---	---	---	---	7.3E-05	---	---	---	---	---	---	---	---	---
Toluidine, o-	4.8E-04	2.5E+01	8.7E+01	---	---	---	---	---	---	---	3.8E-03	3.8E-01	---	---	---
Toluidine, p-	---	3.2E+01	1.1E+02	---	---	---	---	---	---	---	4.8E-03	4.8E-01	---	---	---
Toxaphene	7.6E-05	5.5E+00	1.9E+01	---	5.3E-01	---	---	---	---	---	3.0E-03	3.0E-01	3.0E-03	3.0E-01	---
TP Silvex, 2,4,5-	---	---	---	---	---	1.0E-02	6.6E+02	2.8E+03	---	---	5.0E-02	5.0E+00	5.0E-02	5.0E+00	---
Triademenol	---	---	---	---	---	---	2.5E+03	1.1E+04	---	---	---	---	7.3E-01	7.3E+01	---
Triallate	---	---	---	---	---	---	1.1E+03	4.6E+03	---	2.0E+02	---	---	3.2E-01	3.2E+01	---
Triaminotrinitrobenzene (TATB)	---	2.0E+02	6.9E+02	---	---	2.1E-03	2.5E+02	1.1E+03	---	---	3.0E-02	3.0E+00	7.3E-02	7.3E+00	---
Tributyltin oxide	---	---	---	---	---	5.2E-05	2.5E+01	1.1E+02	---	4.7E+00	---	---	7.3E-03	7.3E-01	---
Trichlorobenzene, 1,2,3-	---	---	---	---	---	4.2E-02	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Trichlorobenzene, 1,2,4-	---	---	---	---	---	2.1E-01	8.2E+02	3.6E+03	---	---	7.0E-02	7.0E+00	7.0E-02	7.0E+00	---
Trichlorobenzene, 1,3,5-	---	---	---	---	---	4.2E-02	2.5E+02	1.1E+03	---	---	---	---	7.3E-02	7.3E+00	---
Trichloroethane, 1,1,1-	---	---	---	---	---	1.0E+00	1.6E+04	---	---	---	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
Trichloroethane, 1,1,2-	1.5E-03	1.1E+02	---	---	---	---	3.3E+02	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Trichloroethylene	1.4E-02	5.5E+02	---	---	---	---	4.9E+02	---	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Trichlorofluoromethane	---	---	---	---	---	2.9E+00	2.5E+04	---	---	---	---	---	7.3E+00	7.3E+02	---
Trichloronate	---	---	---	---	---	---	2.5E+02	1.1E+03	---	4.7E+01	---	---	7.3E-02	7.3E+00	---
Trichlorophenol, 2,3,4-	---	---	---	---	---	4.6E-02	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Trichlorophenol, 2,3,5-	---	---	---	---	---	4.6E-02	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Trichlorophenol, 2,3,6-	---	---	---	---	---	4.6E-02	8.2E+03	3.6E+04	---	1.6E+03	---	---	2.4E+00	2.4E+02	---
Trichlorophenol, 2,4,5-	---	---	---	---	---	4.6E-02	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Trichlorophenol, 2,4,6-	7.8E-03	5.5E+02	1.9E+03	---	---	---	---	---	---	---	8.3E-02	8.3E+00	---	---	---
Trichlorophenol, 3,4,5-	---	---	---	---	---	4.6E-02	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
Trichlorophenoxyacetic acid, 2,4,5-	---	---	---	---	---	1.0E-02	8.2E+02	3.6E+03	---	---	---	---	2.4E-01	2.4E+01	---
Trichloropropane, 1,1,2-	---	---	---	---	---	6.3E-02	4.1E+02	---	---	---	---	---	1.2E-01	1.2E+01	---
Trichloropropane, 1,2,3-	---	8.7E-01	---	---	---	6.3E-02	4.9E+02	---	---	---	1.3E-04	1.3E-02	1.5E-01	1.5E+01	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	---	---	---	---	---	3.1E+01	1.0E+06	---	---	---	---	---	7.3E+02	7.3E+04	---
Triethanolamine	---	---	---	---	---	5.2E-03	1.6E+04	7.1E+04	---	---	---	---	4.9E+00	4.9E+02	---
Triethylamine	---	---	---	---	---	7.3E-03	---	---	---	---	---	---	---	---	---
Triethylene glycol	---	---	---	---	---	---	2.5E+05	1.0E+06	---	---	---	---	7.3E+01	7.3E+03	---

Table 9
Individual RBELs
Residential

Chemical of Concern	Soil										Groundwater				
	Carcinogenic					Noncarcinogenic					Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{AbgVeg}RBEL_{Ing}$ above-ground (mg/kg)	$^{BgVeg}RBEL_{Ing}$ below-ground (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Triethylphosphorothioate, O, O, O-	---	---	---	---	---	---	6.8E-01	3.0E+00	---	---	---	---	2.0E-04	2.0E-02	---
Trifluralin	---	7.9E+02	2.7E+03	---	7.6E+01	1.0E-02	6.1E+02	2.7E+03	---	1.2E+02	1.2E-01	1.2E+01	1.8E-01	1.8E+01	---
Trimethylamine	---	---	---	---	---	7.3E-03	---	---	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,3-	---	---	---	---	---	6.3E-03	4.1E+03	---	---	---	---	---	1.2E+00	1.2E+02	---
Trimethylbenzene, 1,2,4-	---	---	---	---	---	6.3E-03	4.1E+03	---	---	---	---	---	1.2E+00	1.2E+02	---
Trimethylbenzene, 1,3,5-	---	---	---	---	---	6.3E-03	4.1E+03	---	---	---	---	---	1.2E+00	1.2E+02	---
Trinitrobenzene, 1,3,5-	---	---	---	---	---	---	2.5E+03	1.1E+04	---	---	---	---	7.3E-01	7.3E+01	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	---	---	---	---	---	1.0E-04	8.2E+02	3.6E+03	---	---	---	---	2.4E-01	2.4E+01	---
Trinitrotoluene, 2,4,6-	---	2.0E+02	6.9E+02	---	---	1.0E-04	4.1E+01	1.8E+02	---	---	3.0E-02	3.0E+00	1.2E-02	1.2E+00	---
Uranium (soluble salts)	---	---	---	---	---	3.1E-04	2.5E+02	1.1E+04	2.0E+01	4.7E+01	3.0E-02	3.0E+00	3.0E-02	3.0E+00	---
Valeric acid (pentanoic acid)	---	---	---	---	---	1.0E-03	4.1E+04	1.8E+05	---	---	---	---	1.2E+01	1.2E+03	---
Vanadium	---	---	---	---	---	5.2E-05	5.7E+02	6.5E+02	4.6E+01	1.1E+02	---	---	1.7E-01	1.7E+01	---
Vernam	---	---	---	---	---	---	8.2E+01	3.6E+02	---	---	---	---	2.4E-02	2.4E+00	---
Vinyl acetate	---	---	---	---	---	2.1E-01	8.2E+04	---	---	---	---	---	2.4E+01	2.4E+03	---
Vinyl chloride	2.8E-03	4.0E+00	---	---	---	1.0E-01	2.5E+02	---	---	---	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Vinylcyclohexane	---	---	---	---	---	1.0E-02	4.1E+04	---	---	---	---	---	1.2E+01	1.2E+03	---
Warfarin	---	---	---	---	---	1.0E-04	2.5E+01	1.1E+02	---	---	---	---	7.3E-03	7.3E-01	---
Xylene, m-	---	---	---	---	---	4.5E-01	1.6E+05	---	---	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Xylene, o-	---	---	---	---	---	4.5E-01	1.6E+05	---	---	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Xylene, p-	---	---	---	---	---	4.5E-01	1.6E+05	---	---	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Xylenes	---	---	---	---	---	1.0E-01	1.6E+04	---	---	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Zinc	---	---	---	---	---	---	2.5E+04	2.1E+05	2.0E+03	4.7E+03	---	---	7.3E+00	7.3E+02	5.0E+00
6 C aliphatics (TPH)	---	---	---	---	---	2.1E-01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
>6-8 C aliphatics (TPH)	---	---	---	---	---	2.1E-01	4.9E+03	---	---	---	---	---	1.5E+00	1.5E+02	---
>8-10 C aliphatics (TPH)	---	---	---	---	---	1.0E+00	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
>10-12 C aliphatics (TPH)	---	---	---	---	---	1.0E+00	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
>12-16 C aliphatics (TPH)	---	---	---	---	---	1.0E+00	8.2E+03	3.6E+04	---	---	---	---	2.4E+00	2.4E+02	---
>16-21 C aliphatics (TPH)	---	---	---	---	---	---	1.6E+05	7.1E+05	---	---	---	---	4.9E+01	4.9E+03	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	---	---	---	---	1.3E+05	5.7E+05	---	---	---	---	3.9E+01	3.9E+03	---
>7-8 C aromatics (TPH)	---	---	---	---	---	1.0E+00	8.2E+03	---	---	---	---	---	2.4E+00	2.4E+02	---
>8-10 C aromatics (TPH)	---	---	---	---	---	2.1E-01	3.3E+03	---	---	---	---	---	9.8E-01	9.8E+01	---
>10-12 C aromatics (TPH)	---	---	---	---	---	2.1E-01	3.3E+03	1.4E+04	---	---	---	---	9.8E-01	9.8E+01	---
>12-16 C aromatics (TPH)	---	---	---	---	---	2.1E-01	3.3E+03	1.4E+04	---	---	---	---	9.8E-01	9.8E+01	---
>16-21 C aromatics (TPH)	---	---	---	---	---	---	2.5E+03	8.2E+03	---	4.7E+02	---	---	7.3E-01	7.3E+01	---
>21-35 C aromatics (TPH)	---	---	---	---	---	---	2.5E+03	8.2E+03	---	4.7E+02	---	---	7.3E-01	7.3E+01	---

Footnotes

[1]Based on primary MCLs when available

[2]100 x $^{GW}GW_{Ing}$

[3]Values for ammonia and MTBE are based on taste and odor.

[4]The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[5]Persons must use the value provided in the "Secondary MCL" column of this table as the $^{GW}RBEL_{Ing}$ for MTBE if the conditions described in §350.74(f)(3) exist.

[6]The range of residential groundwater ingestion values ($^{GW}RBEL_{Ing}$) for perchlorate obtained when using the provisional RfD range recommended by USEPA's NCEA is 2.4E-03 to 1.2E-02 mg/L. Given the uncertainties associated with the toxicity of perchlorate, a value at the lower end of the range, which accounts for limitations of current analytical techniques, was selected. As such, the residential $^{GW}RBEL_{Ing}$ RBEL is set at 4.0E-03 mg/L, which is the quantitation limit for perchlorate.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

NA = not applicable

All values capped at 1E+06

Table 10
Individual RBELs
Commercial/Industrial

	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
Chemical of Concern	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Acenaphthene	---	---	---	---	6.1E+04	9.4E+04	---	---	4.4E+00	4.4E+02	---
Acenaphthylene	---	---	---	---	6.1E+04	9.4E+04	---	---	4.4E+00	4.4E+02	---
Acetaldehyde	1.9E-02	---	---	1.3E-02	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Acetic acid*	---	---	---	---	---	---	---	---	---	---	---
Acetone (2-propanone)	---	---	---	8.6E-01	9.2E+05	---	---	---	6.6E+01	6.6E+03	---
Acetone cyanohydrin	---	---	---	5.8E-03	8.2E+02	1.6E+03	---	---	5.8E-02	5.8E+00	---
Acetonitrile	---	---	---	8.8E-02	---	---	---	---	---	---	---
Acetophenone	---	---	---	7.2E-02	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Acetylaminofluorene, 2-	3.1E-05	7.5E+00	1.5E+01	---	---	---	5.4E-04	5.4E-02	---	---	---
Acifluorfen, sodium	---	---	---	1.5E-02	1.3E+04	2.7E+04	---	---	9.5E-01	9.5E+01	---
Acridine	---	---	---	---	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Acrolein	---	---	---	2.9E-05	5.1E+02	---	---	---	3.7E-02	3.7E+00	---
Acrylamide	3.1E-05	6.4E+00	1.3E+01	---	2.0E+02	4.1E+02	4.5E-04	4.5E-02	1.5E-02	1.5E+00	---
Acrylic acid (propenoic acid)	---	---	---	1.5E-03	5.1E+05	---	---	---	3.7E+01	3.7E+03	---
Acrylonitrile	6.0E-04	5.3E+01	---	2.9E-03	1.0E+03	---	3.8E-03	3.8E-01	7.3E-02	7.3E+00	---
Adipic acid (hexanedioic acid)	---	---	---	7.3E-03	1.0E+06	1.0E+06	---	---	3.7E+02	3.7E+04	---
Alachlor	---	3.6E+02	7.2E+02	---	1.0E+04	2.0E+04	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Aldicarb	---	---	---	---	1.0E+03	2.0E+03	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Aldicarb sulfone	---	---	---	---	1.0E+03	2.0E+03	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Aldrin	8.3E-06	1.7E+00	3.4E+00	---	3.1E+01	6.1E+01	1.2E-04	1.2E-02	2.2E-03	2.2E-01	---
Allyl alcohol	---	---	---	7.0E-03	5.1E+03	---	---	---	3.7E-01	3.7E+01	---
Allyl chloride	---	---	---	1.5E-03	1.0E+04	---	---	---	7.3E-01	7.3E+01	---
Aluminum	---	---	---	7.3E-03	1.0E+06	1.0E+06	---	---	7.3E+01	7.3E+03	2.0E-01
Ametryn	---	---	---	---	9.2E+03	1.8E+04	---	---	6.6E-01	6.6E+01	---
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	---	4.7E+00	9.4E+00	---	---	---	3.4E-04	3.4E-02	---	---	---
Amino-2,6-dinitrotoluene, 4-	---	2.9E+03	5.7E+03	1.5E-04	1.7E+02	3.4E+02	2.0E-01	2.0E+01	1.2E-02	1.2E+00	---
Amino-4,6-dinitrotoluene, 2-	---	2.9E+03	5.7E+03	1.5E-04	1.7E+02	3.4E+02	2.0E-01	2.0E+01	1.2E-02	1.2E+00	---
Aminopyridine, 4-	---	---	---	3.7E-04	2.0E+01	4.1E+01	---	---	1.5E-03	1.5E-01	---
Ammonia	---	---	---	1.5E-01	---	---	---	---	---	---	1.5E+00
Ammonium polyphosphate*	---	---	---	---	---	---	---	---	---	---	---
Ammonium salts*	---	---	---	---	---	---	---	---	---	---	---
Aniline	---	5.0E+03	1.0E+04	1.5E-03	7.2E+03	1.4E+04	3.6E-01	3.6E+01	5.1E-01	5.1E+01	---
Anthracene	---	---	---	---	3.1E+05	4.7E+05	---	---	2.2E+01	2.2E+03	---
Anthraquinone, 9,10-	---	---	---	---	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Antimony	---	---	---	7.3E-04	4.1E+02	1.2E+03	6.0E-03	6.0E-01	6.0E-03	6.0E-01	---
Aramite	5.8E-03	1.1E+03	2.3E+03	---	5.1E+04	1.0E+05	8.2E-02	8.2E+00	3.7E+00	3.7E+02	---
Arsenic	9.5E-06	2.4E+02	1.3E+03	---	3.9E+02	2.0E+03	1.0E-02	1.0E+00	1.0E-02	1.0E+00	---
Arsine	---	---	---	7.3E-05	---	---	---	---	---	---	---
Asbestos	5.3E-06	---	---	---	---	---	---	---	---	---	---
Atrazine	---	1.3E+02	2.6E+02	7.3E-03	3.6E+04	7.2E+04	3.0E-03	3.0E-01	3.0E-03	3.0E-01	---
Azinphos-methyl (guthion)	---	---	---	---	1.5E+03	3.1E+03	---	---	1.1E-01	1.1E+01	---
Azobenzene	1.3E-03	2.6E+02	5.2E+02	---	---	---	1.9E-02	1.9E+00	---	---	---
Barium	---	---	---	7.3E-04	7.2E+04	1.0E+05	2.0E+00	2.0E+02	2.0E+00	2.0E+02	---
Bayleton	---	---	---	---	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Benefin (benfluralin)	---	---	---	---	3.1E+05	6.1E+05	---	---	2.2E+01	2.2E+03	---
Benomyl	---	---	---	---	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Benz-a-anthracene	4.6E-04	3.9E+01	6.0E+01	---	---	---	2.8E-03	2.8E-01	---	---	---
Benzaldehyde	---	---	---	1.3E-02	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Benzene	5.2E-03	5.2E+02	---	4.4E-02	3.1E+03	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Benzenethiol	---	---	---	7.3E-04	1.0E+01	---	---	---	7.3E-04	7.3E-02	---
Benzidine	6.1E-07	1.2E-01	2.5E-01	---	3.1E+03	6.1E+03	8.9E-06	8.9E-04	2.2E-01	2.2E+01	---
Benzo-a-pyrene	4.6E-05	3.9E+00	6.0E+00	---	---	---	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		Secondary MCL[3] (mg/L)
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	
Benzo-b-fluoranthene	4.6E-04	3.9E+01	6.0E+01	---	---	---	2.8E-03	2.8E-01	---	---	---
Benzo-e-pyrene	---	---	---	---	3.1E+04	4.7E+04	---	---	2.2E+00	2.2E+02	---
Benzo-g,h,i-perylene	---	---	---	---	3.1E+04	4.7E+04	---	---	2.2E+00	2.2E+02	---
Benzoic acid	---	---	---	7.3E-03	1.0E+06	1.0E+06	---	---	2.9E+02	2.9E+04	---
Benzo-k-fluoranthene	4.6E-03	3.9E+02	6.0E+02	---	---	---	2.8E-02	2.8E+00	---	---	---
Benzotrichloride	---	2.2E+00	4.4E+00	1.2E-03	---	---	1.6E-04	1.6E-02	---	---	---
Benzyl alcohol	---	---	---	7.3E-02	3.1E+05	6.1E+05	---	---	2.2E+01	2.2E+03	---
Benzyl chloride	---	1.7E+02	---	7.3E-03	---	---	1.2E-02	1.2E+00	---	---	---
Benzyl dichloride	---	1.7E+02	3.4E+02	2.9E-03	---	---	1.2E-02	1.2E+00	---	---	---
Beryllium	1.7E-05	---	---	2.9E-05	2.0E+03	2.9E+02	4.0E-03	4.0E-01	4.0E-03	4.0E-01	---
Biphenyl, 1,1-	---	---	---	1.9E-03	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Biquinoline, 2,2'-	---	---	---	---	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Bis (2-chloroethoxy) methane	1.2E-04	2.6E+01	5.2E+01	---	---	---	1.9E-03	1.9E-01	---	---	---
Bis (2-chloroethyl) ether	1.2E-04	2.6E+01	---	---	---	---	1.9E-03	1.9E-01	---	---	---
Bis (2-chloroisopropyl) ether	4.1E-03	4.1E+02	8.2E+02	---	4.1E+04	8.2E+04	2.9E-02	2.9E+00	2.9E+00	2.9E+02	---
Bis (2-chloromethyl) ether	6.6E-07	1.3E-01	---	---	---	---	9.3E-06	9.3E-04	---	---	---
Bis (2-ethyl-hexyl) phthalate	---	2.0E+03	7.8E+02	---	2.0E+04	7.8E+03	6.0E-03	6.0E-01	6.0E-03	6.0E-01	---
Bismuth	---	---	---	---	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Bisphenol A	---	---	---	1.2E-01	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Boron	---	---	---	2.9E-02	9.2E+04	1.0E+06	---	---	6.6E+00	6.6E+02	---
Bromobenzene	---	---	---	1.5E-02	2.0E+04	---	---	---	1.5E+00	1.5E+02	---
Bromo-2-chloroethane, 1-	---	---	---	7.3E-02	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Bromodichloromethane[4]	---	4.6E+02	---	---	2.0E+04	---	3.3E-02	3.3E+00	1.5E+00	1.5E+02	---
Bromoform[4]	3.7E-02	3.6E+03	---	---	2.0E+04	---	2.6E-01	2.6E+01	1.5E+00	1.5E+02	---
Bromomethane (methyl bromide)	---	---	---	7.3E-03	1.4E+03	---	---	---	1.0E-01	1.0E+01	---
Bromophenyl phenylether, 4-	1.2E-05	1.9E+00	3.8E+00	---	---	---	1.4E-04	1.4E-02	---	---	---
Butadiene, 1,3-	1.4E-03	---	---	2.9E-03	---	---	---	---	---	---	---
Butanal (butyraldehyde)	---	---	---	1.2E+00	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Butanoic acid (butyric acid)	---	---	---	1.5E-03	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Butanol, n-	---	---	---	1.1E-01	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGI	---	---	---	1.9E+01	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Butyl acetate	---	---	---	1.0E-01	1.4E+05	---	---	---	1.0E+01	1.0E+03	---
Butyl acrylate	---	---	---	7.3E-03	9.2E+03	---	---	---	6.6E-01	6.6E+01	---
Butyl benzyl phthalate	---	---	---	7.3E-03	2.0E+05	4.1E+05	---	---	1.5E+01	1.5E+03	---
Butylate	---	---	---	---	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Butylbenzene, n-	---	---	---	4.0E-01	4.1E+04	8.2E+04	---	---	2.9E+00	2.9E+02	---
Butylbenzene, sec-	---	---	---	4.0E-01	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Butylbenzene, tert-	---	---	---	4.0E-01	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Butyl ether, n- (dibutyl ether)	---	---	---	1.1E-01	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Cacodylic acid	---	---	---	---	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Cadmium	2.3E-05	---	---	---	1.0E+03	5.1E+03	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Calcium*	---	---	---	---	---	---	---	---	---	---	---
Caprolactam	---	---	---	1.5E-03	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Captan	---	8.2E+03	1.6E+04	7.3E-03	1.3E+05	2.7E+05	5.8E-01	5.8E+01	9.5E+00	9.5E+02	---
Carbaryl	---	---	---	7.3E-03	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Carbazole	---	1.4E+03	2.9E+03	---	---	---	1.0E-01	1.0E+01	---	---	---
Carbofuran	---	---	---	1.5E-04	5.1E+03	1.0E+04	4.0E-02	4.0E+00	4.0E-02	4.0E+00	---
Carbon disulfide	---	---	---	1.0E+00	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Carbon tetrachloride	2.7E-03	2.2E+02	---	2.9E-03	7.2E+02	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Carbophenothion	---	---	---	---	1.3E+04	2.7E+04	---	---	9.5E-01	9.5E+01	---
Carbosulfan	---	---	---	---	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Carboxin	---	---	---	---	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	Secondary MCL[3] (mg/L)
Chloral	---	---	---	7.3E-03	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	---	---	---	7.3E-03	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	---	---	---	---	1.5E+04	3.1E+04	---	---	1.1E+00	1.1E+02	---
Chlordane (technical)	4.1E-04	8.2E+01	4.1E+02	1.0E-03	5.1E+02	2.6E+03	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Chlordane, cis- (alpha chlordane)	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00	---
Chlordane, gamma	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00	---
Chlorfenvinphos	---	---	---	2.9E-03	7.2E+02	1.4E+03	---	---	5.1E-02	5.1E+00	---
Chloride*	---	---	---	---	---	---	---	---	---	---	3.0E+02
Chlorine	---	---	---	2.2E-03	1.0E+05	4.1E+05	4.0E+00	4.0E+02	4.0E+00	4.0E+02	---
Chloroaniline, p-	---	---	---	7.7E-03	4.1E+03	8.2E+03	---	---	2.9E-01	2.9E+01	---
Chlorobenzene	---	---	---	8.8E-02	2.0E+04	---	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Chlorobenzilate	5.2E-04	1.1E+02	2.1E+02	---	2.0E+04	4.1E+04	7.6E-03	7.6E-01	1.5E+00	1.5E+02	---
Chlorobromomethane (bromochloromethane)	---	---	---	7.3E-02	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Chloro-1,3-butadiene, 2-	---	---	---	1.0E-02	---	---	---	---	---	---	---
Chlorodifluoromethane	---	---	---	7.3E+01	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	---	---	---	1.5E+01	4.1E+05	---	---	---	2.9E+01	2.9E+03	---
Chloroethanol, 2-	---	---	---	4.8E-03	4.1E+05	---	---	---	2.9E+01	2.9E+03	---
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	---	2.6E+01	---	4.4E-04	2.0E+03	---	1.9E-03	1.9E-01	1.5E-01	1.5E+01	---
Chloroform[4]	1.8E-03	---	---	1.4E-01	1.0E+04	---	---	---	7.3E-01	7.3E+01	---
Chlorohexane, 1-	---	---	---	1.5E+00	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Chloromethane (methyl chloride)	2.3E-02	2.2E+03	---	1.3E-01	---	---	1.6E-01	1.6E+01	---	---	---
Chloro-3-methylphenol, 4-	---	---	---	4.4E-02	5.1E+03	1.0E+04	---	---	3.7E-01	3.7E+01	---
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	---	---	---	---	8.2E+04	1.3E+05	---	---	5.8E+00	5.8E+02	---
Chloronaphthalene, 2- (chloronaphthalene, beta)	---	---	---	---	8.2E+04	1.3E+05	---	---	5.8E+00	5.8E+02	---
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	---	1.6E+03	3.2E+03	---	---	---	1.1E-01	1.1E+01	---	---	---
Chlorophenol, 2-	---	---	---	4.4E-02	5.1E+03	---	---	---	3.7E-01	3.7E+01	---
Chlorophenol, 3-	---	---	---	4.4E-02	5.1E+03	1.0E+04	---	---	3.7E-01	3.7E+01	---
Chlorophenol, 4-	---	---	---	4.4E-02	5.1E+03	1.0E+04	---	---	3.7E-01	3.7E+01	---
Chlorophenyl phenylether, 4-	1.2E-05	1.9E+00	3.8E+00	---	---	---	1.4E-04	1.4E-02	---	---	---
Chloropropane, 2-	---	---	---	1.5E-01	3.1E+04	---	---	---	2.2E+00	2.2E+02	---
Chloro-2-propanol, 1-	---	---	---	---	2.0E+04	---	---	---	1.5E+00	1.5E+02	---
Chlorothalonil	---	2.6E+03	5.2E+03	---	1.5E+04	3.1E+04	1.9E-01	1.9E+01	1.1E+00	1.1E+02	---
Chlorotoluene, o- (2-chlorotoluene)	---	---	---	3.8E-01	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Chlorotoluene, p- (4-chlorotoluene)	---	---	---	3.8E-04	2.0E+04	---	---	---	1.5E+00	1.5E+02	---
Chlorpyrifos	---	---	---	2.9E-04	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Chromium (III) (total chromium)	---	---	---	1.5E-04	1.0E+06	4.0E+05	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Chromium (VI)	3.4E-06	---	---	1.5E-04	3.1E+03	1.5E+03	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Chrysene	4.6E-02	3.9E+03	6.0E+03	---	---	---	2.8E-01	2.8E+01	---	---	---
Cobalt	---	---	---	2.9E-05	6.1E+04	1.0E+06	---	---	4.4E+00	4.4E+02	---
Copolymer acrylamide	---	---	---	4.4E-05	2.0E+02	4.1E+02	---	---	1.5E-02	1.5E+00	---
Copper	---	---	---	1.5E-03	4.1E+04	8.2E+05	1.3E+00	1.3E+02	1.3E+00	1.3E+02	1.0E+00
Coronene	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Coumaphos	---	---	---	---	7.2E+03	1.4E+04	---	---	5.1E-01	5.1E+01	---
Cresol	---	---	---	1.5E-02	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Cresol, m- (3-methylphenol)	---	---	---	1.5E-02	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Cresol, o- (2-methylphenol)	---	---	---	1.5E-02	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Cresol, p- (4-methylphenol)	---	---	---	1.5E-02	5.1E+03	1.0E+04	---	---	3.7E-01	3.7E+01	---
Crotonaldehyde	---	1.5E+01	---	8.8E-03	---	---	1.1E-03	1.1E-01	---	---	---
Cumene (isopropylbenzene)	---	---	---	5.8E-01	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Cyanazine	---	3.4E+01	6.8E+01	---	2.0E+03	4.1E+03	2.4E-03	2.4E-01	1.5E-01	1.5E+01	---
Cyanide	---	---	---	7.3E-03	2.0E+04	4.1E+05	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
Cyanogen	---	---	---	3.1E-02	4.1E+04	---	---	---	2.9E+00	2.9E+02	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Cycloate	---	---	---	---	5.6E+04	1.1E+05	---	---	4.0E+00	4.0E+02	---
Cyclohexane	---	---	---	8.8E+00	1.0E+06	---	---	---	3.7E+02	3.7E+04	---
Cyclohexanol	---	---	---	2.9E-01	1.0E+06	1.0E+06	---	---	3.7E+02	3.7E+04	---
Cyclohexanone	---	---	---	1.5E-01	1.0E+06	---	---	---	3.7E+02	3.7E+04	---
Cyclotetramethylenetetranitramine (HMX)	---	---	---	3.9E-03	5.1E+04	1.5E+04	---	---	3.7E+00	3.7E+02	---
Cyclotrimethylenetrinitramine (RDX)	---	2.6E+02	5.2E+02	7.3E-04	3.1E+03	6.1E+03	1.9E-02	1.9E+00	2.2E-01	2.2E+01	---
Cymene (isopropyltoluene)	---	---	---	4.4E-01	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Cymoxanil	---	---	---	---	1.3E+04	2.7E+04	---	---	9.5E-01	9.5E+01	---
Dacthal (DCPA)	---	---	---	---	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Dalapon, sodium salt (2,2-dichloropropanoic acid)	---	---	---	---	3.1E+04	6.1E+04	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
DDD	---	1.2E+02	7.9E+02	---	---	---	8.5E-03	8.5E-01	---	---	---
DDE	---	8.4E+01	5.6E+02	---	---	---	6.0E-03	6.0E-01	---	---	---
DDT	4.2E-04	8.4E+01	5.6E+02	---	5.1E+02	3.4E+03	6.0E-03	6.0E-01	3.7E-02	3.7E+00	---
Demeton	---	---	---	---	4.1E+01	8.2E+01	---	---	2.9E-03	2.9E-01	---
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	---	---	---	---	4.1E+04	8.2E+04	---	---	2.9E+00	2.9E+02	---
Diallate	---	4.7E+02	9.4E+02	---	---	---	3.4E-02	3.4E+00	---	---	---
Diazinon	---	---	---	1.5E-04	9.2E+02	1.8E+03	---	---	6.6E-02	6.6E+00	---
Dibenz-a,h-acridine	3.7E-04	2.4E+01	4.8E+01	---	---	---	1.7E-03	1.7E-01	---	---	---
Dibenz-a,h-anthracene	4.6E-05	3.9E+00	6.0E+00	---	---	---	2.8E-04	2.8E-02	---	---	---
Dibenz-a,j-acridine	4.6E-04	3.9E+01	6.0E+01	---	---	---	2.8E-03	2.8E-01	---	---	---
Dibenzofuran	---	---	---	---	4.1E+03	8.2E+03	---	---	2.9E-01	2.9E+01	---
Dibenzothiophene	---	---	---	---	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Dibromochloromethane (chlorodibromomethane)[4]	---	3.4E+02	---	---	2.0E+04	---	2.4E-02	2.4E+00	1.5E+00	1.5E+02	---
Dibromo-3-chloropropane, 1,2-	5.9E-02	2.0E+01	4.1E+01	2.9E-04	---	---	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---
Dibromofluoromethane	---	---	---	7.3E+00	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Dicamba	---	---	---	1.5E-02	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Dichlorobenzene, 1,2-	---	---	---	4.4E-02	9.2E+04	---	6.0E-01	6.0E+01	6.0E-01	6.0E+01	---
Dichlorobenzene, 1,3-	---	---	---	1.2E-02	3.1E+04	---	---	---	2.2E+00	2.2E+02	---
Dichlorobenzene, 1,4-	---	1.2E+03	---	1.2E+00	---	---	7.5E-02	7.5E+00	7.5E-02	7.5E+00	---
Dichlorobenzidine, 3,3-	---	6.4E+01	1.3E+02	---	---	---	4.5E-03	4.5E-01	---	---	---
Dichlorobutane, 2,3-	---	---	---	1.0E-02	1.0E+04	---	---	---	7.3E-01	7.3E+01	---
Dichloro-2-butene, 1,4-	1.6E-05	---	---	---	---	---	---	---	---	---	---
Dichloro-2-butene, 1,4- trans	1.6E-05	---	---	---	---	---	---	---	---	---	---
Dichlorodifluoromethane	---	---	---	7.2E+00	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Dichloroethane, 1,1-	---	---	---	5.8E-01	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Dichloroethane, 1,2-	1.6E-03	3.1E+02	---	3.5E+00	---	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Dichloroethylene, 1,1-	---	---	---	2.9E-01	5.1E+04	---	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Dichloroethylene, cis-1,2-	---	---	---	1.2E+00	1.0E+04	---	7.0E-02	7.0E+00	7.0E-02	7.0E+00	---
Dichloroethylene, trans-1,2	---	---	---	1.2E+00	2.0E+04	---	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Dichlorophenol, 2,3-	---	---	---	7.7E-02	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Dichlorophenol, 2,4-	---	---	---	7.7E-02	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Dichlorophenol, 2,5-	---	---	---	7.7E-02	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Dichlorophenol, 2,6-	---	---	---	2.6E-02	1.0E+03	2.0E+03	---	---	7.3E-02	7.3E+00	---
Dichlorophenol, 3,4-	---	---	---	7.7E-02	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Dichlorophenol, 3,5-	---	---	---	7.7E-02	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	---	---	---	1.5E-03	1.0E+04	4.1E+04	7.0E-02	7.0E+00	7.0E-02	7.0E+00	---
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	---	---	---	---	8.2E+03	1.6E+04	---	---	5.8E-01	5.8E+01	---
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	---	---	---	---	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Dichloropropane, 1,2-	---	4.2E+02	---	5.8E-03	9.2E+04	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Dichloropropane, 1,3-	1.0E-02	2.9E+02	---	2.9E-02	3.1E+04	---	2.0E-02	2.0E+00	2.2E+00	2.2E+02	---
Dichloropropane, 2,2-	---	4.2E+02	---	5.8E-03	9.2E+04	---	3.0E-02	3.0E+00	6.6E+00	6.6E+02	---
Dichloropropanol, 2,3-	---	---	---	---	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---

Table 10
Individual RBELs
Commercial/Industrial

	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
Chemical of Concern	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Dichloropropene, 1,1-	1.0E-02	2.9E+02	---	2.9E-02	3.1E+04	---	2.0E-02	2.0E+00	2.2E+00	2.2E+02	---
Dichloropropene, 1,3- (mixed isomers)	1.0E-02	2.9E+02	---	2.9E-02	3.1E+04	---	2.0E-02	2.0E+00	2.2E+00	2.2E+02	---
Dichloropropene, cis 1,3-	---	5.3E+01	---	9.8E-03	1.0E+02	---	3.8E-03	3.8E-01	7.3E-03	7.3E-01	---
Dichloropropene, trans 1,3-	1.0E-02	2.9E+02	---	2.9E-02	3.1E+04	---	2.0E-02	2.0E+00	2.2E+00	2.2E+02	---
Dichlorvos	---	9.9E+01	2.0E+02	7.3E-04	5.1E+02	1.0E+03	7.0E-03	7.0E-01	3.7E-02	3.7E+00	---
Dicrotophos (bidrin)	---	---	---	---	1.0E+02	2.0E+02	---	---	7.3E-03	7.3E-01	---
Dicyclopentadiene	---	---	---	3.9E-02	3.1E+04	---	---	---	2.2E+00	2.2E+02	---
Dieldrin	8.9E-06	1.8E+00	3.6E+00	---	5.1E+01	1.0E+02	1.3E-04	1.3E-02	3.7E-03	3.7E-01	---
Diethanolamine	---	---	---	2.9E-03	5.1E+02	1.0E+03	---	---	3.7E-02	3.7E+00	---
Diethyl phthalate	---	---	---	7.3E-03	8.2E+05	1.0E+06	---	---	5.8E+01	5.8E+03	---
Diethylene glycol	---	---	---	---	1.0E+06	1.0E+06	---	---	1.5E+02	1.5E+04	---
Diethylene glycol monobutyl ether	---	---	---	2.9E-02	9.2E+04	1.8E+05	---	---	6.6E+00	6.6E+02	---
Diethylhexyl adipate	---	2.4E+04	4.8E+04	1.8E-01	6.1E+05	1.0E+06	4.0E-01	4.0E+01	4.0E-01	4.0E+01	---
Diethylstilbestrol	---	6.1E-03	1.2E-02	---	---	---	4.3E-07	4.3E-05	---	---	---
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	---	---	---	2.9E-01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Diisopropyl ether (2,2'-oxybis-propane)	---	---	---	1.5E+00	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
Dimethenamid	---	---	---	---	1.5E+04	3.1E+04	---	---	1.1E+00	1.1E+02	---
Dimethoate	---	---	---	---	2.0E+02	4.1E+02	---	---	1.5E-02	1.5E+00	---
Dimethoxybenzidine, 3,3'-	---	2.0E+03	4.1E+03	---	---	---	1.5E-01	1.5E+01	---	---	---
Dimethylaminoazobenzene, p-	---	---	---	---	1.0E+01	2.0E+01	---	---	7.3E-04	7.3E-02	---
Dimethylbenz-a-anthracene, 7,12-	1.7E-06	1.1E-01	1.8E-01	---	---	---	8.2E-06	8.2E-04	---	---	---
Dimethylbenzidine, 3,3'-	---	3.1E+00	6.2E+00	---	---	---	2.2E-04	2.2E-02	---	---	---
Dimethylnaphthalene, 1,3-	---	---	---	---	4.1E+04	6.3E+04	---	---	2.9E+00	2.9E+02	---
Dimethyl phenol, 2,4-	---	---	---	2.4E-02	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Dimethylphenethylamine, alpha, alpha-	---	---	---	7.3E-01	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Dimethylphthalate	---	---	---	7.3E-03	8.2E+05	1.0E+06	---	---	5.8E+01	5.8E+03	---
Di-n-butyl phthalate	---	---	---	7.3E-03	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	---	---	---	1.5E-03	1.0E+02	2.0E+02	---	---	7.3E-03	7.3E-01	---
Dinitrobenzene, 1,4-	---	---	---	1.5E-03	4.1E+02	8.2E+02	---	---	2.9E-02	2.9E+00	---
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	---	---	---	4.4E-04	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Dinitrophenol, 2,4-	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Dinitrophenol, 2,5-	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Dinitrotoluene, 2,4-	---	4.2E+01	8.4E+01	2.2E-04	2.0E+03	4.1E+03	3.0E-03	3.0E-01	1.5E-01	1.5E+01	---
Dinitrotoluene, 2,6-	---	4.2E+01	8.4E+01	2.2E-04	1.0E+03	2.0E+03	3.0E-03	3.0E-01	7.3E-02	7.3E+00	---
Di-n-octyl phthalate	---	---	---	---	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Dinoseb	---	---	---	---	1.0E+03	2.0E+03	7.0E-03	7.0E-01	7.0E-03	7.0E-01	---
Dioxane 1,4-	---	2.6E+03	---	1.3E-01	---	---	1.9E-01	1.9E+01	---	---	---
Diphenylamine	---	---	---	1.5E-02	2.6E+04	5.1E+04	---	---	1.8E+00	1.8E+02	---
Diphenylhydrazine, 1,2-	1.9E-04	3.6E+01	7.2E+01	---	---	---	2.6E-03	2.6E-01	---	---	---
Diphenyl oxide	---	---	---	1.0E-02	6.3E+03	1.3E+04	---	---	4.5E-01	4.5E+01	---
Diquat	---	---	---	1.5E-04	2.2E+03	4.5E+03	2.0E-02	2.0E+00	2.0E-02	2.0E+00	---
Disodium iminodiacetate (iminodiacetic acid, disodium salt)	---	---	---	---	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Disulfoton	---	---	---	1.5E-04	4.1E+01	8.2E+01	---	---	2.9E-03	2.9E-01	---
Diuron	---	---	---	1.5E-02	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Dodecylphenol, 4-	---	---	---	1.8E-01	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Endosulfan	---	---	---	1.5E-04	6.1E+03	1.2E+04	---	---	4.4E-01	4.4E+01	---
Endosulfan I	---	---	---	4.9E-05	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Endosulfan II	---	---	---	---	6.1E+03	1.2E+04	---	---	4.4E-01	4.4E+01	---
Endosulfan sulfate	---	---	---	---	6.1E+03	1.2E+04	---	---	4.4E-01	4.4E+01	---
Endothall	---	---	---	---	2.0E+04	4.1E+04	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Endrin	---	---	---	1.5E-04	3.1E+02	6.1E+02	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	$^{GW}RBEL_{Ing}$ [1] (mg/L)	$^{GW}RBEL_{Class\ 3}$ [2] (mg/L)	Secondary MCL[3] (mg/L)
Endrin aldehyde	---	---	---	---	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Endrin ketone	---	---	---	1.5E-04	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Epichlorohydrin	3.4E-02	2.9E+03	---	1.5E-03	2.0E+03	---	2.1E-01	2.1E+01	1.5E-01	1.5E+01	---
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	---	---	---	---	1.0E+01	2.0E+01	---	---	7.3E-04	7.3E-02	---
Esfenvalerate	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Ethalfluralin (sonolan)	---	3.2E+02	6.4E+02	---	4.1E+04	8.2E+04	2.3E-02	2.3E+00	2.9E+00	2.9E+02	---
Ethanol	---	---	---	2.8E+00	1.0E+06	---	---	---	2.4E+03	2.4E+05	---
Ethion	---	---	---	5.8E-04	5.1E+02	1.0E+03	---	---	3.7E-02	3.7E+00	---
Ethoprop	---	1.0E+03	2.0E+03	---	1.0E+02	2.0E+02	7.3E-02	7.3E+00	7.3E-03	7.3E-01	---
Ethoxy ethanol, 2-	---	---	---	2.9E-01	4.1E+05	---	---	---	2.9E+01	2.9E+03	---
Ethyl acetate	---	---	---	2.1E+00	9.2E+05	---	---	---	6.6E+01	6.6E+03	---
Ethyl acrylate	---	6.0E+02	---	2.3E-02	---	---	4.3E-02	4.3E+00	---	---	---
Ethyl benzene	---	---	---	1.5E+00	1.0E+05	---	7.0E-01	7.0E+01	7.0E-01	7.0E+01	---
Ethyl dipropylthiocarbamate, S-	---	---	---	---	2.6E+04	5.1E+04	---	---	1.8E+00	1.8E+02	---
Ethylene*	---	---	---	---	---	---	---	---	---	---	---
Ethylenediamine	---	---	---	3.7E-02	2.0E+04	---	---	---	1.5E+00	1.5E+02	---
Ethylene dibromide (dibromoethane, 1,2-)	1.9E-04	3.4E-01	---	2.9E-04	---	---	5.0E-05	5.0E-03	5.0E-05	5.0E-03	---
Ethylene glycol	---	---	---	3.8E-02	1.0E+06	1.0E+06	---	---	1.5E+02	1.5E+04	---
Ethylenimine	2.2E-06	4.4E-01	---	---	---	---	3.1E-05	3.1E-03	---	---	---
Ethylene oxide	4.1E-04	2.8E+01	---	---	---	---	2.0E-03	2.0E-01	---	---	---
Ethylene thiourea	---	2.6E+02	5.2E+02	7.3E-03	8.2E+01	1.6E+02	1.9E-02	1.9E+00	5.8E-03	5.8E-01	---
Ethyl ether	---	---	---	1.8E+00	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Ethyl-1-hexanol, 2-	---	---	---	2.3E-01	1.5E+05	3.1E+05	---	---	1.1E+01	1.1E+03	---
Ethyl-2-hexenal, 2-	---	---	---	2.3E-01	1.5E+05	---	---	---	1.1E+01	1.1E+03	---
Ethylhexyl acrylate, 2-	---	6.0E+02	1.2E+03	2.3E-02	---	---	4.3E-02	4.3E+00	---	---	---
Ethyl methacrylate	---	---	---	7.3E-01	9.2E+04	---	---	---	6.6E+00	6.6E+02	---
Ethyl methanesulfonate	1.5E-03	2.9E+02	5.8E+02	---	---	---	2.1E-02	2.1E+00	---	---	---
Ethyl-2-methyl benzene, 1-	---	---	---	5.8E-01	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Ethyl-4-methyl benzene, 1-	---	---	---	5.8E-01	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	---	---	---	4.4E-01	1.0E+03	---	---	---	7.3E-02	7.3E+00	---
Famphur	---	---	---	1.5E-03	3.1E+01	6.1E+01	---	---	2.2E-03	2.2E-01	---
Fensulfothion	---	---	---	---	1.0E+03	2.0E+03	---	---	7.3E-02	7.3E+00	---
Fenthion	---	---	---	---	7.2E+01	1.4E+02	---	---	5.1E-03	5.1E-01	---
Fluoranthene	---	---	---	---	4.1E+04	6.3E+04	---	---	2.9E+00	2.9E+02	---
Fluorene	---	---	---	---	4.1E+04	6.3E+04	---	---	2.9E+00	2.9E+02	---
Fluorine (soluble fluoride)	---	---	---	2.9E-04	6.1E+04	1.0E+06	4.0E+00	4.0E+02	4.0E+00	4.0E+02	2.0E+00
Fluorochloridone	---	---	---	1.5E-02	7.7E+03	1.5E+04	---	---	5.5E-01	5.5E+01	---
Fonofos	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Formaldehyde	3.1E-03	---	---	1.4E-02	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Formic acid	---	---	---	1.4E-02	1.0E+06	---	---	---	1.5E+02	1.5E+04	---
Furan	---	---	---	4.1E-02	1.0E+03	---	---	---	7.3E-02	7.3E+00	---
Furfural	---	---	---	1.2E-02	3.1E+03	---	---	---	2.2E-01	2.2E+01	---
Glycidylaldehyde	---	---	---	1.5E-03	4.1E+02	---	---	---	2.9E-02	2.9E+00	---
Glyphosate	---	---	---	---	1.0E+05	2.0E+05	7.0E-01	7.0E+01	7.0E-01	7.0E+01	---
Heptachlor	3.1E-05	6.4E+00	1.3E+01	---	5.1E+02	1.0E+03	4.0E-04	4.0E-02	4.0E-04	4.0E-02	---
Heptachlor epoxide	1.6E-05	3.1E+00	6.3E+00	---	1.3E+01	2.7E+01	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---
Heptane, n-	---	---	---	2.6E+01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Heptanoic acid, n-	---	---	---	1.5E-03	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Hexachlorobenzene	8.9E-05	1.8E+01	3.6E+01	---	8.2E+02	1.6E+03	1.0E-03	1.0E-01	1.0E-03	1.0E-01	---
Hexachlorobutadiene	1.9E-03	3.7E+02	7.3E+02	---	2.0E+02	4.1E+02	2.6E-02	2.6E+00	1.5E-02	1.5E+00	---
Hexachlorocyclohexane, alpha (alpha-BHC)	2.3E-05	4.5E+00	2.3E+01	---	8.2E+03	4.1E+04	3.2E-04	3.2E-02	5.8E-01	5.8E+01	---
Hexachlorocyclohexane, beta (beta-BHC)	7.7E-05	1.6E+01	7.9E+01	---	---	---	1.1E-03	1.1E-01	---	---	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Hexachlorocyclohexane, delta (delta-BHC)	8.0E-05	1.6E+01	7.9E+01	---	3.1E+02	1.5E+03	1.1E-03	1.1E-01	2.2E-02	2.2E+00	---
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	---	2.2E+01	1.1E+02	7.3E-04	3.1E+02	1.5E+03	2.0E-04	2.0E-02	2.0E-04	2.0E-02	---
Hexachlorocyclohexane, techn (technical-BHC)	8.0E-05	1.6E+01	7.9E+01	---	---	---	1.1E-03	1.1E-01	---	---	---
Hexachlorocyclopentadiene (HCCPD)	---	---	---	2.9E-04	6.1E+03	1.2E+04	5.0E-02	5.0E+00	5.0E-02	5.0E+00	---
Hexachloroethane	1.0E-02	2.0E+03	4.1E+03	---	1.0E+03	2.0E+03	1.5E-01	1.5E+01	7.3E-02	7.3E+00	---
Hexachlorophene	---	---	---	---	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Hexachloropropylene	1.0E-02	2.0E+03	4.1E+03	---	1.0E+03	2.0E+03	1.5E-01	1.5E+01	7.3E-02	7.3E+00	---
Hexane, n-	---	---	---	2.9E-01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Hexanediol, 1,6-	---	---	---	2.7E+01	1.0E+06	1.0E+06	---	---	3.7E+02	3.7E+04	---
Hexanoic acid	---	---	---	1.5E-03	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Hexanone, 2-	---	---	---	5.8E-03	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Hexazinone	---	---	---	7.3E-03	3.4E+04	6.7E+04	---	---	2.4E+00	2.4E+02	---
Hexylene glycol (2-methyl-2,4-pentanediol)	---	---	---	2.2E-04	3.1E+05	6.1E+05	---	---	2.2E+01	2.2E+03	---
Hydrazine	8.3E-06	9.5E+00	---	---	---	---	6.8E-04	6.8E-02	---	---	---
Hydrogen chloride (hydrochloric acid)*	---	---	---	---	---	---	---	---	---	---	---
Indene	---	---	---	4.4E-03	2.0E+04	---	---	---	1.5E+00	1.5E+02	---
Indeno-1,2,3-cd-pyrene	4.6E-04	3.9E+01	6.0E+01	---	---	---	2.8E-03	2.8E-01	---	---	---
Iron*	---	---	---	---	---	---	---	---	---	---	3.0E-01
Isobutyl alcohol	---	---	---	2.2E-01	3.1E+05	---	---	---	2.2E+01	2.2E+03	---
Isobutylene (2-methyl-1-propene)	---	---	---	5.8E+00	---	---	---	---	---	---	---
Isobutyric acid (2-methylpropanoic acid)	---	---	---	1.5E-03	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Isodrin	8.3E-07	1.7E-01	3.4E-01	---	3.1E+00	6.1E+00	1.2E-05	1.2E-03	2.2E-04	2.2E-02	---
Isophorone	---	3.0E+04	6.0E+04	3.4E-02	2.0E+05	4.1E+05	2.2E+00	2.2E+02	1.5E+01	1.5E+03	---
Isopropyl acetate	---	---	---	---	7.2E+04	---	---	---	5.1E+00	5.1E+02	---
Isopropyl alcohol	---	---	---	1.0E+00	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Isosafrole	6.5E-04	1.3E+02	2.6E+02	---	---	---	9.3E-03	9.3E-01	---	---	---
Kelthane (dicofol)	---	---	---	---	6.1E+03	1.2E+04	---	---	4.4E-01	4.4E+01	---
Kepone (chlordecone)	8.9E-06	1.8E+00	3.6E+00	---	5.1E+02	1.0E+03	1.3E-04	1.3E-02	3.7E-02	3.7E+00	---
Lead (inorganic)	NA	NA	NA	NA	1.6E+03	NA	1.5E-02	1.5E+00	1.5E-02	1.5E+00	---
Limonene, d-*	---	---	---	---	---	---	---	---	---	---	---
Lithium	---	---	---	---	2.0E+04	4.1E+05	---	---	1.5E+00	1.5E+02	---
Magnesium*	---	---	---	---	---	---	---	---	---	---	---
Malathion	---	---	---	7.3E-03	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Maleic anhydride	---	---	---	1.5E-03	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Maleic hydrazide	---	---	---	1.5E-01	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Malononitrile	---	---	---	1.2E-02	2.0E+01	4.1E+01	---	---	1.5E-03	1.5E-01	---
Mancozeb	---	---	---	---	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Manganese	---	---	---	7.3E-05	1.4E+05	1.7E+05	---	---	1.0E+01	1.0E+03	5.0E-02
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	---	---	---	---	5.1E+02	1.0E+03	---	---	3.7E-02	3.7E+00	---
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	---	---	---	---	1.0E+03	2.0E+03	---	---	7.3E-02	7.3E+00	---
Merphos	---	---	---	---	3.1E+01	6.1E+01	---	---	2.2E-03	2.2E-01	---
Mercury	---	---	---	4.4E-04	3.1E+02	4.3E+02	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Methacrylic acid (2-methyl-2-propenoic acid)	---	---	---	1.0E-01	1.0E+04	---	---	---	7.3E-01	7.3E+01	---
Methacrylonitrile	---	---	---	3.9E-03	1.0E+02	---	---	---	7.3E-03	7.3E-01	---
Methanol	---	---	---	3.8E-01	5.1E+05	---	---	---	3.7E+01	3.7E+03	---
Methapyrilene	---	6.1E+00	1.2E+01	4.4E-04	---	---	4.3E-04	4.3E-02	---	---	---
Methomyl	---	---	---	3.7E-03	2.6E+04	5.1E+04	---	---	1.8E+00	1.8E+02	---
Methoxychlor	---	---	---	7.3E-03	5.1E+03	1.0E+04	4.0E-02	4.0E+00	4.0E-02	4.0E+00	---
Methoxyethanol, 2-	---	---	---	2.9E-02	---	---	---	---	---	---	---
Methyl acetate (acetic acid, methyl ester)	---	---	---	8.8E-01	1.0E+06	---	---	---	7.3E+01	7.3E+03	---
Methyl acrylate	---	---	---	1.0E-02	2.0E+03	---	---	---	1.5E-01	1.5E+01	---
Methyl amyl ketone (2-heptanone)	---	---	---	3.4E-01	5.1E+04	---	---	---	3.7E+00	3.7E+02	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Methyl-1-butene, 2-	---	---	---	2.6E+01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Methyl-2-butene, 2-	---	---	---	2.6E+01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Methylcholanthrene, 3-	1.9E-05	1.3E+00	2.0E+00	---	---	---	9.3E-05	9.3E-03	---	---	---
Methyl chrysene, 1-	4.6E-02	3.9E+03	6.0E+03	---	---	---	2.8E-01	2.8E+01	---	---	---
Methyl chrysene, 2-	4.6E-02	3.9E+03	6.0E+03	---	---	---	2.8E-01	2.8E+01	---	---	---
Methyl chrysene, 6-	4.6E-03	3.9E+02	6.0E+02	---	---	---	2.8E-02	2.8E+00	---	---	---
Methyl cyclohexane	---	---	---	4.4E+00	1.0E+06	---	---	---	3.7E+02	3.7E+04	---
Methylene-bis (2-chloroaniline) 4,4'-	1.1E-03	2.2E+02	4.4E+02	---	7.2E+02	1.4E+03	1.6E-02	1.6E+00	5.1E-02	5.1E+00	---
Methylene bromide (dibromomethane)	---	3.8E+03	---	1.9E-02	6.1E+04	---	2.7E-01	2.7E+01	4.4E+00	4.4E+02	---
Methylene chloride (dichloromethane)	8.7E-02	3.8E+03	---	4.4E+00	6.1E+04	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Methyl ethyl ketone (2-butanone)	---	---	---	7.3E+00	6.1E+05	---	---	---	4.4E+01	4.4E+03	---
Methyl iodide (iodomethane)	---	---	---	1.8E-02	1.4E+03	---	---	---	1.0E-01	1.0E+01	---
Methyl isobutyl ketone (4-methyl-2-pentanone)	---	---	---	4.4E+00	8.2E+04	---	---	---	5.8E+00	5.8E+02	---
Methyl mercury	---	---	---	1.5E-05	1.0E+02	2.0E+03	---	---	7.3E-03	7.3E-01	---
Methylmecury hydroxide	---	---	---	1.5E-05	1.0E+02	2.0E+02	---	---	7.3E-03	7.3E-01	---
Methyl methacrylate	---	---	---	1.0E+00	1.0E+06	---	---	---	1.0E+02	1.0E+04	---
Methyl methanesulfonate	1.5E-03	2.9E+02	5.8E+02	---	---	---	2.1E-02	2.1E+00	---	---	---
Methylnaphthalene, 1-	---	---	---	---	7.2E+04	1.1E+05	---	---	5.1E+00	5.1E+02	---
Methylnaphthalene, 2-	---	---	---	---	4.1E+03	6.3E+03	---	---	2.9E-01	2.9E+01	---
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	---	8.7E+02	1.7E+03	---	---	---	6.2E-02	6.2E+00	---	---	---
Methyl parathion	---	---	---	2.9E-04	2.6E+02	5.1E+02	---	---	1.8E-02	1.8E+00	---
Methyl-2-pentenal, 2-	---	1.5E+01	---	8.8E-03	---	---	1.1E-03	1.1E-01	---	---	---
Methyl-1-propanal, 2- (isobutyraldehyde)	---	---	---	4.2E-01	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Methylpyrrolidone, N-	---	---	---	1.2E-01	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Methyltetrahydrofuran, 2-	2.2E-02	3.8E+03	---	---	2.0E+05	---	2.7E-01	2.7E+01	1.5E+01	1.5E+03	---
Methyltetrahydropyran, 2-	2.2E-02	3.8E+03	---	---	2.0E+05	---	2.7E-01	2.7E+01	1.5E+01	1.5E+03	---
Metolachlor	---	---	---	---	1.5E+05	3.1E+05	---	---	1.1E+01	1.1E+03	---
Metribuzin	---	---	---	---	2.6E+04	5.1E+04	---	---	1.8E+00	1.8E+02	---
Mirex	---	---	---	---	2.0E+02	4.1E+02	---	---	1.5E-02	1.5E+00	---
Molinate	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Molybdenum	---	---	---	7.3E-03	5.1E+03	3.9E+04	---	---	3.7E-01	3.7E+01	---
Morpholine	---	---	---	1.5E-03	1.0E+06	---	---	---	3.7E+04	1.0E+06	---
MTBE (methyl tert-butyl ether)[5]	1.6E-01	1.6E+04	---	4.4E+00	1.0E+04	---	1.1E+00	1.1E+02	7.3E-01	7.3E+01	1.5E-02
Naled	---	---	---	4.4E-03	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Naphthalene	---	---	---	4.4E-03	2.0E+04	3.1E+04	---	---	1.5E+00	1.5E+02	---
Naphthoquinone, 1,4-	---	---	---	1.5E-04	7.2E+03	1.4E+04	---	---	5.1E-01	5.1E+01	---
Naphthylamine, 1-	---	---	---	---	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Naphthylamine, 2-	---	1.6E+01	3.2E+01	---	---	---	1.1E-03	1.1E-01	---	---	---
Napropamide	---	---	---	---	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Neopentyl glycol	---	---	---	---	3.1E+05	6.1E+05	---	---	2.2E+01	2.2E+03	---
Nickel and compounds	8.5E-05	---	---	1.3E-04	2.0E+04	1.6E+04	---	---	1.5E+00	1.5E+02	---
Nitrate	---	---	---	---	1.0E+06	1.0E+06	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Nitrite	---	---	---	---	1.0E+05	1.0E+06	1.0E+00	1.0E+02	1.0E+00	1.0E+02	---
Nitroaniline, 2-	---	---	---	2.9E-04	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Nitroaniline, 3-	---	7.5E+02	1.5E+03	4.4E-03	3.1E+02	6.1E+02	5.4E-02	5.4E+00	2.2E-02	2.2E+00	---
Nitroaniline, 4-	---	7.5E+02	1.5E+03	4.4E-03	3.1E+03	6.1E+03	5.4E-02	5.4E+00	2.2E-01	2.2E+01	---
Nitrobenzene	---	---	---	7.3E-03	5.1E+02	1.0E+03	---	---	3.7E-02	3.7E+00	---
Nitroglycerin	---	2.0E+03	4.1E+03	---	7.2E+01	1.4E+02	1.5E-01	1.5E+01	5.1E-03	5.1E-01	---
Nitrophenol, 2-	---	---	---	5.8E-03	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Nitrophenol, 3-	---	---	---	5.8E-03	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Nitrophenol, 4-	---	---	---	1.5E-03	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Nitropropane, 2-	1.5E-05	---	---	2.9E-02	---	---	---	---	---	---	---

Table 10
Individual RBELs
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Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Nitroquinoline-N-oxide, 4-	1.5E-05	3.0E+00	6.1E+00	---	---	---	2.2E-04	2.2E-02	---	---	---
Nitrosodiethanolamine, N-	---	1.0E+01	2.0E+01	---	---	---	7.3E-04	7.3E-02	---	---	---
Nitrosodiethylamine, N-	9.5E-07	1.9E-01	---	---	---	---	1.4E-05	1.4E-03	---	---	---
Nitrosodimethylamine, N-	2.9E-06	5.6E-01	---	---	---	---	4.0E-05	4.0E-03	---	---	---
Nitrosodi-n-butylamine, N-	2.6E-05	5.3E+00	1.1E+01	---	---	---	3.8E-04	3.8E-02	---	---	---
Nitrosodi-n-propylamine, N-	---	4.1E+00	2.0E+00	---	---	---	2.9E-04	2.9E-02	---	---	---
Nitrosodiphenylamine, N-	---	5.8E+03	2.9E+03	---	---	---	4.2E-01	4.2E+01	---	---	---
Nitroso-methyl-ethyl-amine, N-	---	1.3E+00	---	---	---	---	9.3E-05	9.3E-03	---	---	---
Nitrosomorpholine, N-	2.2E-05	4.3E+00	8.5E+00	---	---	---	3.1E-04	3.1E-02	---	---	---
Nitroso-N-ethylurea, N-	---	2.0E-01	4.1E-01	---	---	---	1.5E-05	1.5E-03	---	---	---
Nitrosopiperidine, N-	1.5E-05	3.0E+00	6.1E+00	---	---	---	2.2E-04	2.2E-02	---	---	---
Nitrosopyrrolidine, N-	6.7E-05	1.4E+01	2.7E+01	---	---	---	9.7E-04	9.7E-02	---	---	---
Nitrotoluene, m-	---	---	---	1.6E-02	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Nitrotoluene, o-	---	---	---	1.6E-02	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Nitrotoluene, p-	---	---	---	1.6E-02	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Nonachlor, cis-	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00	---
Nonachlor, trans-	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00	---
Nonanal	---	---	---	---	2.0E+05	4.1E+05	---	---	1.5E+01	1.5E+03	---
Nonylphenol	---	---	---	5.8E-02	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Octamethylpyrophosphoramide	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Octanone	---	---	---	2.6E+01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Oxamyl	---	---	---	---	2.6E+04	5.1E+04	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
Oxychlordane	4.1E-04	8.2E+01	1.6E+02	1.0E-03	5.1E+02	1.0E+03	5.8E-03	5.8E-01	3.7E-02	3.7E+00	---
Paraquat	---	---	---	---	4.6E+03	9.2E+03	---	---	3.3E-01	3.3E+01	---
Parathion (ethyl parathion)	---	---	---	7.3E-05	6.1E+03	1.2E+04	---	---	4.4E-01	4.4E+01	---
Pebulate	---	---	---	---	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Pendimethalin	---	---	---	---	4.1E+04	8.2E+04	---	---	2.9E+00	2.9E+02	---
Pentachlorobenzene	---	---	---	1.5E-01	8.2E+02	1.6E+03	---	---	5.8E-02	5.8E+00	---
Pentachloroethane	5.5E-03	1.1E+03	---	---	3.1E+04	---	7.9E-02	7.9E+00	2.2E+00	2.2E+02	---
Pentachloronitrobenzene	---	1.1E+02	2.2E+02	7.3E-04	3.1E+03	6.1E+03	7.9E-03	7.9E-01	2.2E-01	2.2E+01	---
Pentachlorophenol	---	2.4E+02	1.9E+02	7.3E-04	3.1E+04	2.5E+04	1.0E-03	1.0E-01	1.0E-03	1.0E-01	---
Pentadiene, 1,3-trans-	---	---	---	2.6E+01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Pentaerythritol tetranitrate (PETN)	---	---	---	---	4.1E+05	8.2E+05	---	---	2.9E+01	2.9E+03	---
Pentane	---	---	---	5.1E-01	7.2E+05	---	---	---	5.1E+01	5.1E+03	---
Pentanediol, 1,5-	---	---	---	2.7E+01	1.0E+06	1.0E+06	---	---	3.7E+02	3.7E+04	---
Pentanone, 2-	---	---	---	7.3E-01	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Pentyne, 1-	---	---	---	2.6E+01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
Perchlorate	---	---	---	---	1.0E+02	4.1E+02	---	---	7.3E-03	7.3E-01	---
Perylene	---	---	---	---	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Phenacetin	6.5E-02	1.3E+04	2.6E+04	---	---	---	9.3E-01	9.3E+01	---	---	---
Phenanthrene	---	---	---	---	3.1E+04	4.7E+04	---	---	2.2E+00	2.2E+02	---
Phenanthridine	---	---	---	---	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Phenol	---	---	---	2.8E-02	3.1E+05	6.1E+05	---	---	2.2E+01	2.2E+03	---
Phenylene diamine, m-	---	---	---	1.5E-04	6.1E+03	1.2E+04	---	---	4.4E-01	4.4E+01	---
Phenylene diamine, p-	---	---	---	1.5E-04	1.9E+05	3.9E+05	---	---	1.4E+01	1.4E+03	---
Phenyl mercuric acetate	---	---	---	---	8.2E+01	1.6E+02	---	---	5.8E-03	5.8E-01	---
Phorate	---	---	---	7.3E-05	2.0E+02	4.1E+02	---	---	1.5E-02	1.5E+00	---
Phosalone	---	---	---	---	2.0E+03	4.1E+03	---	---	1.5E-01	1.5E+01	---
Phosdrin (mevinphos)	---	---	---	---	2.6E+01	5.1E+01	---	---	1.8E-03	1.8E-01	---
Phosmet	---	---	---	2.9E-03	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Phosphine	---	---	---	4.4E-04	3.1E+02	1.2E+03	---	---	2.2E-02	2.2E+00	---
Phosphorus, total*	---	---	---	---	---	---	---	---	---	---	---

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Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Phosphorus, white	---	---	---	1.5E-04	2.0E+01	8.2E+01	---	---	1.5E-03	1.5E-01	---
Phthalic anhydride	---	---	---	1.8E-01	1.0E+06	1.0E+06	---	---	1.5E+02	1.5E+04	---
Picloram	---	---	---	---	7.2E+04	1.4E+05	5.0E-01	5.0E+01	5.0E-01	5.0E+01	---
Picoline, 2- (2-methylpyridine)	---	---	---	4.4E-04	9.2E+03	---	---	---	6.6E-01	6.6E+01	---
Polybrominated biphenyls (PBBs)	---	3.2E+00	6.4E+00	---	7.2E+00	1.4E+01	2.3E-04	2.3E-02	5.1E-04	5.1E-02	---
Polychlorinated biphenyls (PCBs)	7.2E-05	1.4E+01	2.0E+01	---	2.0E+01	2.9E+01	5.0E-04	5.0E-02	5.0E-04	5.0E-02	---
Potassium*	---	---	---	---	---	---	---	---	---	---	---
Primene	---	---	---	8.8E-03	6.1E+03	1.2E+04	---	---	4.4E-01	4.4E+01	---
Prometon (pramitol)	---	---	---	---	1.5E+04	3.1E+04	---	---	1.1E+00	1.1E+02	---
Pronamide	---	---	---	---	7.7E+04	1.5E+05	---	---	5.5E+00	5.5E+02	---
Propanal (propionaldehyde)	---	---	---	2.6E-01	8.2E+03	---	---	---	5.8E-01	5.8E+01	---
Propanil	---	---	---	---	5.1E+03	1.0E+04	---	---	3.7E-01	3.7E+01	---
Propanoic acid (propionic acid)	---	---	---	1.5E-03	5.1E+05	---	---	---	3.7E+01	3.7E+03	---
Propanol, 1-	---	---	---	7.3E-01	2.0E+05	---	---	---	1.5E+01	1.5E+03	---
Propargite	---	---	---	---	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Propargyl alcohol	---	---	---	3.4E-03	2.0E+03	---	---	---	1.5E-01	1.5E+01	---
Propazine	---	6.4E+02	1.3E+03	---	2.0E+04	4.1E+04	4.6E-02	4.6E+00	1.5E+00	1.5E+02	---
Propham	---	---	---	---	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Propionitrile (propane nitrile)	---	---	---	1.5E-02	4.1E+02	---	---	---	2.9E-02	2.9E+00	---
Propyl acetate, n-	---	---	---	---	9.2E+04	---	---	---	6.6E+00	6.6E+02	---
Propylbenzene, n-	---	---	---	5.8E-01	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Propylene glycol	---	---	---	2.3E-01	1.0E+06	1.0E+06	---	---	1.5E+03	1.5E+05	---
Propylene glycol monomethyl ether	---	---	---	2.9E+00	7.2E+05	---	---	---	5.1E+01	5.1E+03	---
Propylene oxide	1.1E-02	1.2E+02	---	4.4E-02	---	---	8.5E-03	8.5E-01	---	---	---
Propylene tetramer	---	---	---	1.5E+00	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Pyrene	---	---	---	---	3.1E+04	4.7E+04	---	---	2.2E+00	2.2E+02	---
Pyridine	---	---	---	2.2E-02	1.0E+03	---	---	---	7.3E-02	7.3E+00	---
Quinoline	---	9.5E+00	1.9E+01	7.3E-04	---	---	6.8E-04	6.8E-02	---	---	---
Rotenel	---	---	---	---	5.1E+04	1.0E+05	---	---	3.7E+00	3.7E+02	---
Safrole	6.5E-04	1.3E+02	2.6E+02	---	---	---	9.3E-03	9.3E-01	---	---	---
Selenium	---	---	---	2.9E-04	5.1E+03	1.0E+05	5.0E-02	5.0E+00	5.0E-02	5.0E+00	---
Selenourea	---	---	---	---	5.1E+03	---	---	---	3.7E-01	3.7E+01	---
Silver	---	---	---	1.5E-05	5.1E+03	4.1E+03	---	---	3.7E-01	3.7E+01	1.0E-01
Simazine	---	2.4E+02	4.8E+02	---	5.1E+03	1.0E+04	4.0E-03	4.0E-01	4.0E-03	4.0E-01	---
Sodium*	---	---	---	---	---	---	---	---	---	---	---
Sodium diethyldithiocarbamate	---	1.1E+02	---	7.3E-03	3.1E+04	---	7.6E-03	7.6E-01	2.2E+00	2.2E+02	---
Sodium polyacrylate	---	---	---	1.5E-03	5.1E+05	---	---	---	3.7E+01	3.7E+03	---
Strontium	---	---	---	---	6.1E+05	1.0E+06	---	---	4.4E+01	4.4E+03	---
Strychnine	---	---	---	---	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Styrene	---	---	---	1.5E+00	2.0E+05	---	1.0E-01	1.0E+01	1.0E-01	1.0E+01	---
Sulfate*	---	---	---	---	---	---	---	---	---	---	3.0E+02
Sulfide*	---	---	---	---	---	---	---	---	---	---	---
Sulfolane	---	---	---	---	2.0E+01	4.1E+01	---	---	1.5E-03	1.5E-01	---
Sulfur*	---	---	---	---	---	---	---	---	---	---	---
TCDD, 2,3,7,8- (dioxin)	NA	NA	NA	NA	---	NA	3.0E-08	3.0E-06	3.0E-08	3.0E-06	---
Tebuconazole	---	---	---	---	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Tebuthiuron	---	---	---	---	7.2E+04	1.4E+05	---	---	5.1E+00	5.1E+02	---
Terbufos	---	---	---	---	2.6E+01	5.1E+01	---	---	1.8E-03	1.8E-01	---
Tert-amyl-methyl ether (TAME)	---	---	---	---	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
Tert-butyl alcohol (2-methyl-2-propanol)	---	---	---	4.4E-01	9.2E+04	---	---	---	6.6E+00	6.6E+02	---
Tetrachlorobenzene, 1,2,3,4-	---	---	---	5.1E-01	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Tetrachlorobenzene, 1,2,3,5-	---	---	---	5.1E-01	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Tetrachlorobenzene, 1,2,4,5-	---	---	---	5.1E-01	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Tetrachloroethane, 1,1,1,2-	5.5E-03	1.1E+03	---	---	3.1E+04	---	7.9E-02	7.9E+00	2.2E+00	2.2E+02	---
Tetrachloroethane, 1,1,2,2-	7.0E-04	1.4E+02	---	---	4.1E+04	---	1.0E-02	1.0E+00	2.9E+00	2.9E+02	---
Tetrachloroethylene (perchlorethylene)	7.0E-02	5.5E+02	---	4.0E-01	1.0E+04	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Tetrachlorophenol, 2,3,4,5-	---	---	---	1.0E-02	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Tetrachlorophenol, 2,3,4,6-	---	---	---	1.0E-02	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Tetrachlorophenol, 2,3,5,6-	---	---	---	1.0E-02	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Tetradifon	---	---	---	---	2.0E+04	4.1E+04	---	---	1.5E+00	1.5E+02	---
Tetraethyl dithiopyrophosphate (sulfotep)	---	---	---	2.9E-04	5.1E+02	1.0E+03	---	---	3.7E-02	3.7E+00	---
Tetraethyl lead	---	---	---	1.1E-04	1.0E-01	2.0E-01	---	---	7.3E-06	7.3E-04	---
Tetrahydrofuran	2.2E-02	3.8E+03	---	4.4E-01	2.0E+05	---	2.7E-01	2.7E+01	1.5E+01	1.5E+03	---
Tetrahydropyran	2.2E-02	3.8E+03	---	---	2.0E+05	---	2.7E-01	2.7E+01	1.5E+01	1.5E+03	---
Thallium and compounds (as thallium chloride)	---	---	---	1.5E-04	8.2E+01	1.6E+03	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Thiofanox	---	---	---	1.2E-03	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Thionazin	---	---	---	---	7.2E+01	1.4E+02	---	---	5.1E-03	5.1E-01	---
Thiophanate-methyl	---	---	---	---	8.2E+04	1.6E+05	---	---	5.8E+00	5.8E+02	---
Thiram	---	---	---	1.5E-03	5.1E+03	1.0E+04	---	---	3.7E-01	3.7E+01	---
Tin	---	---	---	2.9E-02	6.1E+05	1.0E+06	---	---	4.4E+01	4.4E+03	---
Titanium	---	---	---	---	1.0E+06	1.0E+06	---	---	3.7E+04	1.0E+06	---
Toluene	---	---	---	5.8E-01	2.0E+05	---	1.0E+00	1.0E+02	1.0E+00	1.0E+02	---
Toluenediamine, 2,4-	---	8.9E+00	1.8E+01	7.3E-03	---	---	6.4E-04	6.4E-02	---	---	---
Toluenediamine, 2,6-	---	---	---	---	2.0E+05	4.1E+05	---	---	1.5E+01	1.5E+03	---
Toluene diisocyanate, 2,4/2,6-	---	---	---	1.0E-04	---	---	---	---	---	---	---
Toluidine, o-	8.0E-04	1.2E+02	2.4E+02	---	---	---	8.5E-03	8.5E-01	---	---	---
Toluidine, p-	---	1.5E+02	3.0E+02	---	---	---	1.1E-02	1.1E+00	---	---	---
Toxaphene	1.3E-04	2.6E+01	5.2E+01	---	---	---	3.0E-03	3.0E-01	3.0E-03	3.0E-01	---
TP Silvex, 2,4,5-	---	---	---	1.5E-02	8.2E+03	1.6E+04	5.0E-02	5.0E+00	5.0E-02	5.0E+00	---
Triademenol	---	---	---	---	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Triallate	---	---	---	---	1.3E+04	2.7E+04	---	---	9.5E-01	9.5E+01	---
Triaminotrinitrobenzene (TATB)	---	9.5E+02	1.9E+03	2.9E-03	3.1E+03	6.1E+03	6.8E-02	6.8E+00	2.2E-01	2.2E+01	---
Tributyltin oxide	---	---	---	7.3E-05	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Trichlorobenzene, 1,2,3-	---	---	---	5.8E-02	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Trichlorobenzene, 1,2,4-	---	---	---	2.9E-01	1.0E+04	2.0E+04	7.0E-02	7.0E+00	7.0E-02	7.0E+00	---
Trichlorobenzene, 1,3,5-	---	---	---	5.8E-02	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Trichloroethane, 1,1,1-	---	---	---	1.5E+00	2.0E+05	---	2.0E-01	2.0E+01	2.0E-01	2.0E+01	---
Trichloroethane, 1,1,2-	2.6E-03	5.0E+02	---	---	4.1E+03	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Trichloroethylene	2.4E-02	2.6E+03	---	---	6.1E+03	---	5.0E-03	5.0E-01	5.0E-03	5.0E-01	---
Trichlorofluoromethane	---	---	---	4.1E+00	3.1E+05	---	---	---	2.2E+01	2.2E+03	---
Trichloronate	---	---	---	---	3.1E+03	6.1E+03	---	---	2.2E-01	2.2E+01	---
Trichlorophenol, 2,3,4-	---	---	---	6.4E-02	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Trichlorophenol, 2,3,5-	---	---	---	6.4E-02	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Trichlorophenol, 2,3,6-	---	---	---	6.4E-02	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Trichlorophenol, 2,4,5-	---	---	---	6.4E-02	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Trichlorophenol, 2,4,6-	1.3E-02	2.6E+03	5.2E+03	---	---	---	1.9E-01	1.9E+01	---	---	---
Trichlorophenol, 3,4,5-	---	---	---	6.4E-02	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
Trichlorophenoxyacetic acid, 2,4,5-	---	---	---	1.5E-02	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Trichloropropane, 1,1,2-	---	---	---	8.8E-02	5.1E+03	---	---	---	3.7E-01	3.7E+01	---
Trichloropropane, 1,2,3-	---	4.1E+00	---	8.8E-02	6.1E+03	---	2.9E-04	2.9E-02	4.4E-01	4.4E+01	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	---	---	---	4.4E+01	1.0E+06	---	---	---	2.2E+03	2.2E+05	---
Triethanolamine	---	---	---	7.3E-03	2.0E+05	4.1E+05	---	---	1.5E+01	1.5E+03	---
Triethylamine	---	---	---	1.0E-02	---	---	---	---	---	---	---
Triethylene glycol	---	---	---	---	1.0E+06	1.0E+06	---	---	2.2E+02	2.2E+04	---

Table 10
Individual RBELs
Commercial/Industrial

Chemical of Concern	Soil						Groundwater				
	Carcinogenic			Noncarcinogenic			Carcinogenic		Noncarcinogenic		
	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{Air}RBEL_{Inh}$ (mg/m3)	$^{Soil}RBEL_{Ing}$ (mg/kg)	$^{Soil}RBEL_{Derm}$ (mg/kg)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	$^{GW}RBEL_{Ing}$[1] (mg/L)	$^{GW}RBEL_{Class\ 3}$[2] (mg/L)	Secondary MCL[3] (mg/L)
Triethylphosphorothioate, O, O, O-	---	---	---	---	8.5E+00	1.7E+01	---	---	6.1E-04	6.1E-02	---
Trifluralin	---	3.7E+03	7.4E+03	1.5E-02	7.7E+03	1.5E+04	2.7E-01	2.7E+01	5.5E-01	5.5E+01	---
Trimethylamine	---	---	---	1.0E-02	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,3-	---	---	---	8.8E-03	5.1E+04	---	---	---	3.7E+00	3.7E+02	---
Trimethylbenzene, 1,2,4-	---	---	---	8.8E-03	5.1E+04	---	---	---	3.7E+00	3.7E+02	---
Trimethylbenzene, 1,3,5-	---	---	---	8.8E-03	5.1E+04	---	---	---	3.7E+00	3.7E+02	---
Trinitrobenzene, 1,3,5-	---	---	---	---	3.1E+04	6.1E+04	---	---	2.2E+00	2.2E+02	---
Trinitrophenylmethylnitramine (tetryl; nitramine)	---	---	---	1.5E-04	1.0E+04	2.0E+04	---	---	7.3E-01	7.3E+01	---
Trinitrotoluene, 2,4,6-	---	9.5E+02	1.9E+03	1.5E-04	5.1E+02	1.0E+03	6.8E-02	6.8E+00	3.7E-02	3.7E+00	---
Uranium (soluble salts)	---	---	---	4.4E-04	3.1E+03	6.1E+04	3.0E-02	3.0E+00	3.0E-02	3.0E+00	---
Valeric acid (pentanoic acid)	---	---	---	1.5E-03	5.1E+05	1.0E+06	---	---	3.7E+01	3.7E+03	---
Vanadium	---	---	---	7.3E-05	7.2E+03	3.7E+03	---	---	5.1E-01	5.1E+01	---
Vernam	---	---	---	---	1.0E+03	2.0E+03	---	---	7.3E-02	7.3E+00	---
Vinyl acetate	---	---	---	2.9E-01	1.0E+06	---	---	---	7.3E+01	7.3E+03	---
Vinyl chloride	4.6E-03	1.9E+01	---	1.5E-01	3.1E+03	---	2.0E-03	2.0E-01	2.0E-03	2.0E-01	---
Vinylcyclohexane	---	---	---	1.5E-02	5.1E+05	---	---	---	3.7E+01	3.7E+03	---
Warfarin	---	---	---	1.5E-04	3.1E+02	6.1E+02	---	---	2.2E-02	2.2E+00	---
Xylene, m-	---	---	---	6.3E-01	1.0E+06	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Xylene, o-	---	---	---	6.3E-01	1.0E+06	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Xylene, p-	---	---	---	6.3E-01	1.0E+06	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Xylenes	---	---	---	1.5E-01	2.0E+05	---	1.0E+01	1.0E+03	1.0E+01	1.0E+03	---
Zinc	---	---	---	---	3.1E+05	1.0E+06	---	---	2.2E+01	2.2E+03	5.0E+00
6 C aliphatics (TPH)	---	---	---	2.9E-01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
>6-8 C aliphatics (TPH)	---	---	---	2.9E-01	6.1E+04	---	---	---	4.4E+00	4.4E+02	---
>8-10 C aliphatics (TPH)	---	---	---	1.5E+00	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
>10-12 C aliphatics (TPH)	---	---	---	1.5E+00	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
>12-16 C aliphatics (TPH)	---	---	---	1.5E+00	1.0E+05	2.0E+05	---	---	7.3E+00	7.3E+02	---
>16-21 C aliphatics (TPH)	---	---	---	---	1.0E+06	1.0E+06	---	---	1.5E+02	1.5E+04	---
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	---	---	---	---	1.0E+06	1.0E+06	---	---	1.2E+02	1.2E+04	---
>7-8 C aromatics (TPH)	---	---	---	1.5E+00	1.0E+05	---	---	---	7.3E+00	7.3E+02	---
>8-10 C aromatics (TPH)	---	---	---	2.9E-01	4.1E+04	---	---	---	2.9E+00	2.9E+02	---
>10-12 C aromatics (TPH)	---	---	---	2.9E-01	4.1E+04	8.2E+04	---	---	2.9E+00	2.9E+02	---
>12-16 C aromatics (TPH)	---	---	---	2.9E-01	4.1E+04	8.2E+04	---	---	2.9E+00	2.9E+02	---
>16-21 C aromatics (TPH)	---	---	---	---	3.1E+04	4.7E+04	---	---	2.2E+00	2.2E+02	---
>21-35 C aromatics (TPH)	---	---	---	---	3.1E+04	4.7E+04	---	---	2.2E+00	2.2E+02	---

Footnotes

[1]Based on primary MCLs when available

[2]100 x $^{GW}GW_{Ing}$

[3]Values for ammonia and MTBE are based on taste and odor.

[4]The total MCL for trihalomethanes (bromodichloromethane, bromoform, chloroform, and dibromochloromethane) is 0.08 mg/L.

[5]Persons must use the value provided in the "Secondary MCL" column of this table as the $^{GW}RBEL_{Ing}$ for MTBE if the conditions described in §350.74(f)(3) exist.

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

NA = not applicable

All values capped at 1E+06

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/(µg/g soil))	Brbg.inorg ((µg/g DW)/(µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
y	Acenaphthene	83-32-9	---	---	s	O	1.54E+02	6.44E-03	3.60E+00	---	4.21E-02	7.69E-06	4.24E+00	3.75E-03	4.15E+00
y	Acenaphthylene	208-96-8	---	---	s	O	1.52E+02	4.74E-03	3.84E+00	---	4.39E-02	7.07E-06	3.93E+00	2.90E-02	3.94E+00
y	Acetaldehyde	75-07-0	---	---	g	O	4.41E+01	2.75E-03	4.19E-01	---	1.24E-01	1.23E-05	1.00E+06	9.00E+02	4.30E-01
N	Acetic acid*	64-19-7	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Acetone (2-propanone)	67-64-1	---	---	l	O	5.81E+01	1.61E-03	-2.44E-01	---	1.24E-01	1.14E-05	6.00E+05	2.27E+02	-2.35E-01
y	Acetone cyanohydrin	75-86-5	---	---	l	O	8.51E+01	1.34E-04	-2.16E-01	---	8.12E-02	9.09E-06	1.83E+06	8.00E-01	-3.45E-02
y	Acetonitrile	75-05-8	---	---	l	O	4.11E+01	1.21E-03	-3.30E-01	---	1.28E-01	1.45E-05	2.05E+05	9.00E+01	-3.40E-01
y	Acetophenone	98-86-2	---	---	l	O	1.20E+02	4.45E-04	1.56E+00	---	6.00E-02	8.73E-06	5.50E+03	3.95E-01	1.67E+00
N	Acetylaminofluorene, 2-	53-96-3	---	---	s	O	2.23E+02	7.00E-10	2.63E+00	---	4.25E-02	6.08E-06	1.66E+00	9.52E-11	2.80E+00
y	Acifluorfen, sodium	62476-59-9	---	---	s	O	3.84E+02	8.31E-13	2.05E+00	---	1.45E-02	4.40E-06	2.50E+05	9.75E-09	3.73E-01
N	Acridine	260-94-6	---	---	s	O	1.79E+02	3.93E-06	3.40E+00	---	5.11E-02	6.66E-06	2.24E+01	8.96E-06	3.46E+00
y	Acrolein	107-02-8	---	---	l	O	5.61E+01	1.83E-04	-2.80E-01	---	1.05E-01	1.12E-05	2.00E+05	2.65E+02	-1.00E-01
y	Acrylamide	79-06-1	---	---	s	O	7.11E+01	1.33E-08	-6.60E-01	---	9.70E-02	1.28E-05	2.20E+06	7.00E-03	-8.07E-01
y	Acrylic acid (propenoic acid)	79-10-7	---	---	l	O	7.21E+01	1.32E-05	5.43E-02	---	9.08E-02	1.06E-05	1.00E+06	3.72E+00	4.42E-01
y	Acrylonitrile	107-13-1	---	---	l	O	5.31E+01	4.57E-03	4.00E-02	---	1.22E-01	1.34E-05	7.50E+04	1.10E+02	2.09E-01
N	Adipic acid (hexanedioic acid)	124-04-9	---	---	s	O	1.46E+02	1.80E-11	-6.56E+00	---	6.13E-02	7.90E-06	7.72E+04	1.74E-07	1.25E-01
y	Alachlor	15972-60-8	---	---	s	O	2.70E+02	8.62E-07	2.28E+00	---	1.94E-02	5.83E-06	2.40E+02	2.20E-05	3.37E+00
y	Aldicarb	116-06-3	---	---	s	O	1.90E+02	5.82E-08	1.20E+00	---	3.05E-02	7.20E-06	6.00E+03	2.90E-05	1.36E+00
y	Aldicarb sulfone	1646-88-4	---	---	s	O	2.22E+02	1.10E-07	2.30E-01	---	5.55E-02	5.79E-06	8.00E+03	9.00E-05	-6.66E-01
y	Aldrin	309-00-2	---	---	s	O	3.65E+02	7.07E-03	4.68E+00	---	1.32E-02	4.86E-06	7.84E-02	1.67E-05	6.75E+00
y	Allyl alcohol	107-18-6	---	---	l	O	5.81E+01	2.08E-04	5.10E-01	---	1.14E-01	1.10E-05	3.20E+05	2.63E+01	1.70E-01
y	Allyl chloride	107-05-1	---	---	l	O	7.65E+01	4.57E-01	1.43E+00	---	9.80E-02	1.08E-05	3.40E+03	3.60E+02	1.93E+00
y	Aluminum	7429-90-5	1.50E-03	6.50E-04	s	M	2.70E+01	0.00E+00	---	2.55E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-01
N	Ametryn	834-12-8	---	---	s	OB	2.27E+02	7.33E-08	2.89E+00	---	4.24E-02	5.70E-06	1.85E+02	1.81E-07	2.88E+00
N	Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	92-67-1	---	---	s	O	1.69E+02	1.84E-06	3.24E+00	---	5.25E-02	6.82E-06	7.14E+01	1.42E-05	3.24E+00
N	Amino-2,6-dinitrotoluene, 4-	19406-51-0	---	---	s	O	1.97E+02	1.74E-07	2.56E+00	---	5.60E-02	7.31E-06	3.64E+01	5.86E-07	2.62E+00
N	Amino-4,6-dinitrotoluene, 2-	35572-78-2	---	---	s	O	1.97E+02	1.19E-07	2.75E+00	---	5.60E-02	7.30E-06	1.73E+01	1.91E-07	2.80E+00
y	Aminopyridine, 4-	504-24-5	---	---	s	O	9.41E+01	2.44E-07	-3.23E-01	---	8.02E-02	1.08E-05	7.66E+04	2.00E-03	-1.13E-01
y	Ammonia	7664-41-7	---	---	g	I	1.70E+01	1.36E-02	4.90E-01	---	2.59E-01	6.93E-05	5.31E+05	7.47E+03	2.29E-01
N	Ammonium polyphosphate*	68333-79-9	---	---	---	---	---	---	---	---	---	---	---	---	---
N	Ammonium salts*	NA	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Aniline	62-53-3	---	---	l	O	9.31E+01	5.82E-05	9.60E-01	---	7.00E-02	8.30E-06	3.60E+04	6.69E-01	1.08E+00
y	Anthracene	120-12-7	---	---	s	O	1.78E+02	4.61E-03	4.37E+00	---	3.24E-02	7.74E-06	4.34E-02	2.55E-05	4.35E+00
N	Anthraquinone, 9,10-	84-65-1	---	---	s	O	2.08E+02	3.58E-06	3.07E+00	---	4.81E-02	6.26E-06	1.22E-01	3.83E-08	3.12E+00
y	Antimony	7440-36-0	7.00E-02	3.00E-02	s	M	1.22E+02	0.00E+00	---	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y	Aramite	140-57-8	---	---	l	O	3.35E+02	---	4.00E+00	---	4.23E-02	4.45E-06	---	1.23E-04	4.82E+00
y	Arsenic	7440-38-2	1.00E-02	8.00E-03	s	M	7.49E+01	0.00E+00	---	1.40E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-01
y	Arsine	7784-42-1	---	---	g	I	7.79E+01	2.41E-01	---	---	---	---	2.00E+05	1.13E+04	---
y	Asbestos	1332-21-4	---	---	s	I	varies	0.00E+00	---	5.00E+00	---	---	0.00E+00	0.00E+00	---
y	Atrazine	1912-24-9	---	---	s	O	2.16E+02	1.09E-07	2.20E+00	---	5.64E-02	5.58E-06	3.00E+01	3.00E-07	2.82E+00
N	Azinphos-methyl (guthion)	86-50-0	---	---	s	O	3.17E+02	8.80E-11	2.40E+00	---	4.11E-02	5.34E-06	9.00E-02	4.70E-09	2.50E+00
N	Azobenzene	103-33-3	---	---	l	O	1.82E+02	1.89E-03	4.73E+00	---	4.96E-02	6.36E-06	1.60E+00	3.02E-04	4.77E+00
y	Barium	7440-39-3	4.90E-02	1.50E-02	s	M	1.37E+02	0.00E+00	---	1.04E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
N	Bayleton	43121-43-3	---	---	s	O	2.94E+02	2.76E-08	2.31E+00	---	4.00E-02	5.25E-06	4.74E+01	8.13E-08	2.47E+00
N	Benefin (benfluralin)	1861-40-1	---	---	s	O	3.35E+02	7.77E-06	5.22E+00	---	3.60E-02	4.92E-06	5.09E+00	2.16E-06	5.25E+00
N	Benomyl	17804-35-2	---	---	s	O	2.90E+02	2.08E-07	1.16E+00	---	4.49E-02	4.46E-06	2.90E+00	7.50E-09	1.37E+00
y	Benz-a-anthracene	56-55-3	---	---	s	O	2.28E+02	1.39E-04	5.55E+00	---	5.10E-02	9.00E-06	1.00E-02	1.54E-07	5.52E+00
N	Benzaldehyde	100-52-7	---	---	l	O	1.06E+02	2.04E-03	1.77E+00	---	7.28E-02	8.67E-06	3.58E+03	1.26E+00	1.90E+00
y	Benzene	71-43-2	---	---	l	O	7.81E+01	2.27E-01	1.82E+00	---	8.80E-02	9.80E-06	1.77E+03	9.50E+01	1.99E+00
y	Benzenethiol	108-98-5	---	---	l	O	1.10E+02	1.83E-02	1.32E+00	---	7.60E-02	8.68E-06	7.60E+02	2.40E+00	2.69E+00
y	Benzidine	92-87-5	---	---	s	O	1.84E+02	1.62E-09	1.32E+00	---	3.40E-02	1.50E-05	5.20E+02	8.36E-08	1.34E+00
y	Benzo-a-pyrene	50-32-8	---	---	s	O	2.52E+02	4.70E-05	5.98E+00	---	4.30E-02	9.00E-06	1.62E-03	4.89E-09	6.11E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/(µg/g soil))	Brbg.inorg ((µg/g DW)/(µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
y	Benzo-b-fluoranthene	205-99-2	---	---	s	O	2.52E+02	4.99E-04	6.08E+00	---	2.26E-02	5.56E-06	1.50E-03	8.06E-08	6.11E+00
N	Benzo-e-pyrene	192-97-2	---	---	s	O	2.52E+02	2.38E-05	6.59E+00	---	4.05E-02	5.49E-06	8.60E-04	7.26E-10	6.70E+00
y	Benzo-g,h,i-perylene	191-24-2	---	---	s	O	2.76E+02	5.82E-06	6.20E+00	---	4.90E-02	5.65E-05	2.60E-04	1.00E-10	6.70E+00
y	Benzoic acid	65-85-0	---	---	s	OA	1.22E+02	1.39E-05	-3.01E-01	---	5.36E-02	7.97E-06	3.50E+03	6.51E-03	1.87E+00
y	Benzo-k-fluoranthene	207-08-9	---	---	s	O	2.52E+02	4.45E-07	6.09E+00	---	2.26E-02	5.56E-06	5.50E-04	9.59E-11	6.11E+00
y	Benzotrichloride	98-07-7	---	---	l	O	1.95E+02	2.03E-02	3.16E+00	---	5.91E-02	7.02E-06	1.00E+02	1.90E-01	3.90E+00
y	Benzyl alcohol	100-51-6	---	---	l	O	1.08E+02	1.62E-05	1.08E+00	---	8.00E-02	8.00E-06	4.00E+04	1.06E-01	1.08E+00
y	Benzyl chloride	100-44-7	---	---	l	O	1.27E+02	1.66E-02	2.26E+00	---	7.50E-02	7.80E-06	4.93E+02	1.20E+00	2.79E+00
N	Benzyl dichloride	98-87-3	---	---	l	O	1.61E+02	8.28E-03	2.39E+00	---	6.14E-02	7.62E-06	2.09E+02	1.96E-01	2.92E+00
y	Beryllium	7440-41-7	3.60E-03	1.50E-03	s	M	9.01E+00	0.00E+00	---	1.36E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-01
y	Biphenyl, 1,1-	92-52-4	---	---	s	O	1.54E+02	1.25E-02	3.71E+00	---	5.73E-02	6.71E-06	7.50E+00	2.94E-02	3.76E+00
N	Biquinoline, 2,2'-	119-91-5	---	---	s	O	2.56E+02	2.85E-09	3.96E+00	---	4.18E-02	5.65E-06	1.70E+00	3.45E-10	4.02E+00
N	Bis (2-chloroethoxy) methane	111-91-1	---	---	l	O	1.73E+02	1.25E-03	2.49E+00	---	5.82E-02	7.11E-06	1.35E+03	1.78E-01	2.53E+00
y	Bis (2-chloroethyl) ether	111-44-4	---	---	l	O	1.43E+02	8.90E-04	1.19E+00	---	6.92E-02	7.53E-06	1.02E+04	1.34E+00	1.56E+00
y	Bis (2-chloroisopropyl) ether	108-60-1	---	---	l	O	1.71E+02	4.16E-03	2.50E+00	---	6.00E-02	6.40E-06	1.70E+03	8.50E-01	2.58E+00
y	Bis (2-chloromethyl) ether	542-88-1	---	---	l	O	1.15E+02	4.99E-03	8.00E-02	---	8.32E-02	9.59E-06	3.80E+04	3.00E+01	5.75E-01
y	Bis (2-ethyl-hexyl) phthalate	117-81-7	---	---	l	O	3.91E+02	4.57E-04	5.83E+00	---	3.51E-02	3.66E-06	3.00E-01	6.45E-06	8.39E+00
N	Bismuth	7440-69-9	---	---	s	M	2.09E+02	---	---	7.30E-01	---	---	---	---	---
N	Bisphenol A	80-05-7	---	---	---	O	2.28E+02	2.18E-10	2.74E+00	---	5.09E-02	5.89E-06	1.00E+03	7.25E-07	3.32E+00
N	Boron	7440-42-8	---	---	s	I	1.08E+01	0.00E+00	---	---	---	---	---	---	---
N	Bromobenzene	108-86-1	---	---	l	O	1.57E+02	8.38E-02	2.38E+00	---	7.05E-02	8.54E-06	2.98E+02	2.91E+00	2.91E+00
N	Bromo-2-chloroethane, 1-	107-04-0	---	---	l	O	1.43E+02	3.79E-02	1.58E+00	---	8.35E-02	9.83E-06	4.93E+03	2.38E+01	1.90E+00
y	Bromodichloromethane	75-27-4	---	---	l	O	1.64E+02	1.32E-01	1.74E+00	---	2.98E-02	1.06E-05	4.50E+03	5.84E+01	1.61E+00
y	Bromoform	75-25-2	---	---	l	O	2.53E+02	2.56E-02	1.94E+00	---	1.49E-02	1.03E-05	3.20E+03	5.60E+00	1.79E+00
y	Bromomethane (methyl bromide)	74-83-9	---	---	g	O	9.49E+01	5.90E-01	1.02E+00	---	7.28E-02	1.21E-05	1.52E+04	1.64E+03	1.18E+00
N	Bromophenyl phenylether, 4-	101-55-3	---	---	l	O	2.49E+02	9.66E-03	5.16E+00	---	4.75E-02	6.28E-06	8.25E-01	5.85E-04	5.25E+00
y	Butadiene, 1,3-	106-99-0	---	---	g	O	5.41E+01	2.61E+00	2.11E+00	---	1.79E-01	1.02E-05	7.35E+02	2.11E+03	2.03E+00
N	Butanal (butyraldehyde)	123-72-8	---	---	l	O	7.21E+01	5.40E-03	7.44E-01	---	8.90E-02	9.48E-06	4.67E+04	6.35E+01	8.40E-01
N	Butanoic acid (butyric acid)	107-92-6	---	---	l	O	8.81E+01	7.86E-06	-2.26E+00	---	7.80E-02	9.25E-06	8.96E+04	2.80E-01	1.02E+00
y	Butanol, n-	71-36-3	---	---	l	O	7.41E+01	3.55E-04	7.70E-01	---	8.00E-02	9.30E-06	7.47E+04	6.54E+00	8.41E-01
N	Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGE	111-76-2	---	---	l	O	1.18E+02	2.11E-05	1.09E+00	---	6.30E-02	7.46E-06	3.43E+04	1.12E-01	1.28E+00
N	Butyl acetate	123-86-4	---	---	l	O	1.16E+02	1.11E-02	1.42E+00	---	6.63E-02	7.45E-06	5.75E+03	1.00E+01	1.70E+00
N	Butyl acrylate	141-32-2	---	---	l	O	1.28E+02	1.16E-02	1.84E+00	---	6.00E-02	7.13E-06	1.43E+03	2.43E+00	2.22E+00
y	Butyl benzyl phthalate	85-68-7	---	---	l	O	3.12E+02	7.94E-05	4.14E+00	---	1.74E-02	4.83E-06	2.90E+00	1.20E-05	4.84E+00
y	Butylate	2008-41-5	---	---	l	O	2.17E+02	3.50E-03	2.10E+00	---	4.89E-02	5.14E-06	4.60E+01	1.30E-02	3.85E+00
N	Butylbenzene, n-	104-51-8	---	---	l	O	1.34E+02	5.57E-01	3.48E+00	---	5.70E-02	6.74E-06	1.08E+01	8.14E-01	4.29E+00
N	Butylbenzene, sec-	135-98-8	---	---	l	O	1.34E+02	5.07E-01	3.32E+00	---	5.76E-02	6.75E-06	1.81E+01	1.25E+00	4.09E+00
N	Butylbenzene, tert-	98-06-6	---	---	l	O	1.34E+02	8.56E-01	3.39E+00	---	5.84E-02	6.76E-06	1.51E+01	1.76E+00	4.18E+00
N	Butyl ether, n- (dibutyl ether)	142-96-1	---	---	l	O	1.30E+02	4.84E-02	2.59E+00	---	5.65E-02	6.40E-06	4.90E+02	3.33E+00	3.18E+00
y	Cacodylic acid	75-60-5	---	---	s	O	1.38E+02	0.00E+00	3.80E-01	---	---	---	2.00E+06	0.00E+00	0.00E+00
y	Cadmium	7440-43-9	1.40E-01	6.40E-02	s	M	1.12E+02	0.00E+00	---	1.18E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-7.10E-02
N	Calcium*	7440-70-2	---	---	---	---	---	---	---	---	---	---	---	---	---
N	Caprolactam	105-60-2	---	---	s	O	1.13E+02	2.19E-08	1.68E+00	---	6.71E-02	8.45E-06	3.40E+04	1.20E-04	5.62E-01
y	Captan	133-06-2	---	---	s	O	3.01E+02	2.99E-04	3.81E+00	---	1.83E-02	4.90E-06	5.00E-01	7.50E-06	1.84E+00
y	Carbaryl	63-25-2	---	---	s	O	2.01E+02	5.32E-07	2.37E+00	---	2.78E-02	5.60E-06	3.00E+01	1.36E-06	2.35E+00
y	Carbazole	86-74-8	---	---	s	O	1.67E+02	3.38E-03	3.39E+00	---	3.90E-02	7.03E-06	7.21E-01	2.66E-04	3.23E+00
y	Carbofuran	1563-66-2	---	---	s	O	2.21E+02	1.62E-07	1.46E+00	---	5.35E-02	5.40E-06	7.00E+02	8.30E-06	2.30E+00
y	Carbon disulfide	75-15-0	---	---	l	O	7.61E+01	6.13E-01	1.72E+00	---	1.04E-01	1.00E-05	2.30E+03	3.40E+02	1.94E+00
y	Carbon tetrachloride	56-23-5	---	---	l	O	1.54E+02	1.20E+00	2.27E+00	---	7.80E-02	8.80E-06	8.05E+02	1.12E+02	2.44E+00
N	Carbophenothion	786-19-6	---	---	l	O	3.43E+02	1.66E-04	5.07E+00	---	3.77E-02	5.00E-06	3.90E+00	3.45E-05	5.10E+00
y	Carbosulfan	55285-14-8	---	---	l	O	3.81E+02	2.15E-05	4.41E+00	---	3.76E-02	3.88E-06	3.00E-01	3.10E-07	5.57E+00
N	Carboxin	5234-68-4	---	---	s	O	2.35E+02	2.77E-08	2.93E+00	---	4.48E-02	6.14E-06	2.24E+01	4.82E-08	3.02E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/ (µg/g soil))	Brbg.inorg ((µg/g DW)/ ((µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
y	Chloral	75-87-6	---	---	l	O	1.47E+02	2.66E-05	8.02E-01	---	3.85E-02	9.70E-06	8.30E+06	3.50E+01	1.19E+00
N	Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	302-17-0	---	---	l	O	1.65E+02	4.91E-09	7.27E-01	---	7.43E-02	9.16E-06	1.80E+06	9.79E-04	3.30E-01
N	Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	133-90-4	---	---	s	O	2.06E+02	3.49E-08	2.32E+00	---	5.71E-02	7.46E-06	6.26E+03	1.94E-05	2.48E+00
y	Chlordane (technical)	12789-03-6	---	---	s	O	4.10E+02	2.02E-03	5.08E+00	---	1.18E-02	4.37E-06	5.60E-02	1.00E-05	6.60E+00
N	Chlordane, cis- (alpha chlordane)	5103-71-9	---	---	l	O	4.10E+02	4.11E-03	6.85E+00	---	3.32E-02	4.66E-06	4.64E-02	8.51E-06	6.97E+00
N	Chlordane, gamma	57-74-9	---	---	s	O	4.10E+02	4.11E-03	5.59E+00	---	3.32E-02	4.65E-06	2.28E-02	4.17E-06	6.97E+00
y	Chlorfenvinphos	470-90-6	---	---	l	O	3.60E+02	2.31E-08	3.11E+00	---	---	---	1.45E+02	1.70E-07	4.15E+00
N	Chloride*	16887-00-6	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Chlorine	7782-50-5	---	---	g	I	7.09E+01	2.86E+00	---	---	1.20E-01	1.48E-05	7.00E+03	5.17E+03	8.49E-01
y	Chloroaniline, p-	106-47-8	---	---	s	O	1.28E+02	4.86E-05	1.82E+00	---	4.83E-02	1.01E-05	3.90E+03	2.35E-02	1.72E+00
y	Chlorobenzene	108-90-7	---	---	l	O	1.13E+02	1.82E-01	2.33E+00	---	7.30E-02	8.70E-06	5.02E+02	1.21E+01	2.64E+00
y	Chlorobenzilate	510-15-6	---	---	s	O	3.25E+02	3.78E-06	2.90E+00	---	8.00E-02	8.00E-06	1.30E+01	2.20E-06	3.99E+00
N	Chlorobromomethane (bromochloromethane)	74-97-5	---	---	l	O	1.29E+02	3.69E-02	1.44E+00	---	9.65E-02	1.12E-05	2.04E+04	1.06E+02	1.32E+00
y	Chloro-1,3-butadiene, 2-	126-99-8	---	---	l	O	8.85E+01	1.33E+00	2.00E+00	---	1.00E-01	1.00E-05	6.30E+02	2.12E+02	2.53E+00
y	Chlorodifluoromethane	75-45-6	---	---	g	O	8.65E+01	1.22E+00	7.87E-01	---	1.13E-01	1.32E-05	2.90E+03	7.83E+03	8.94E-01
y	Chloroethane (ethyl chloride)	75-00-3	---	---	l	O	6.45E+01	2.12E-01	1.25E+00	---	1.50E-01	1.18E-05	2.00E+04	1.20E+03	1.58E+00
N	Chloroethanol, 2-	107-07-3	---	---	l	O	8.05E+01	3.23E-05	2.42E-01	---	9.60E-02	1.11E-05	5.51E+05	2.29E+00	2.06E-01
N	Chloroethoxy ethene, 2- (2-chloroethylvinylether)	110-75-8	---	---	l	O	1.07E+02	3.02E-02	1.57E+00	---	7.60E-02	8.55E-06	5.02E+03	2.60E+01	1.88E+00
y	Chloroform	67-66-3	---	---	l	O	1.19E+02	1.53E-01	1.67E+00	---	1.04E-01	1.00E-05	7.92E+03	1.98E+02	1.52E+00
N	Chlorohexane, 1-	544-10-5	---	---	l	O	1.21E+02	9.98E-01	2.95E+00	---	6.40E-02	7.27E-06	5.39E+01	8.22E+00	3.63E+00
y	Chloromethane (methyl chloride)	74-87-3	---	---	g	O	5.05E+01	1.44E+00	7.78E-01	---	1.26E-01	6.50E-06	7.25E+03	3.77E+03	1.09E+00
N	Chloro-3-methylphenol, 4-	59-50-7	---	---	s	O	1.43E+02	1.40E-05	2.94E+00	---	6.46E-02	8.01E-06	5.43E+03	9.75E-03	2.99E+00
N	Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	90-13-1	---	---	l	O	1.63E+02	6.33E-03	3.98E+00	---	5.76E-02	7.31E-06	1.69E+01	1.21E-02	4.04E+00
y	Chloronaphthalene, 2- (chloronaphthalene, beta)	91-58-7	---	---	s	O	1.63E+02	2.54E-02	3.93E+00	---	6.18E-02	6.98E-06	6.74E+00	1.70E-02	3.81E+00
N	Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	100-00-5	---	---	s	O	1.58E+02	1.00E-03	2.03E+00	---	6.37E-02	8.04E-06	2.67E+02	3.92E-02	2.47E+00
y	Chlorophenol, 2-	95-57-8	---	---	l	OA	1.29E+02	7.40E-04	2.46E+00	---	5.01E-02	9.46E-06	2.80E+04	1.42E+00	2.16E+00
N	Chlorophenol, 3-	108-43-0	---	---	s	OA	1.29E+02	9.20E-06	2.05E+00	---	7.13E-02	8.74E-06	4.11E+04	5.38E-02	2.07E+00
N	Chlorophenol, 4-	106-48-9	---	---	s	OA	1.29E+02	9.97E-06	2.09E+00	---	7.13E-02	8.75E-06	2.86E+04	4.06E-02	2.10E+00
N	Chlorophenyl phenylether, 4-	7005-72-3	---	---	l	O	2.05E+02	1.30E-02	4.12E+00	---	4.89E-02	6.19E-06	1.43E+00	1.66E-03	5.04E+00
N	Chloropropane, 2-	75-29-6	---	---	l	O	7.85E+01	1.11E+00	1.83E+00	---	9.12E-02	9.30E-06	1.56E+03	4.04E+02	2.21E+00
N	Chloro-2-propanol, 1-	127-00-4	---	---	s	O	9.55E+01	9.64E-05	8.29E-01	---	8.28E-02	9.65E-06	1.10E+05	2.05E+00	9.48E-01
N	Chlorothalonil	1897-45-6	---	---	s	O	2.66E+02	1.53E-06	3.38E+00	---	4.90E-02	6.57E-06	2.30E+01	2.41E-06	3.46E+00
y	Chlorotoluene, o- (2-chlorotoluene)	95-49-8	---	---	l	O	1.27E+02	1.35E-01	2.61E+00	---	7.01E-02	8.01E-06	1.54E+02	3.90E-03	3.20E+00
N	Chlorotoluene, p- (4-chlorotoluene)	106-43-4	---	---	l	O	1.27E+02	1.33E-01	2.70E+00	---	6.76E-02	7.96E-06	1.18E+02	2.27E+00	3.31E+00
y	Chlorpyrifos	2921-88-2	---	---	s	O	3.51E+02	1.73E-04	3.70E+00	---	4.85E-02	5.11E-06	9.00E-01	1.87E-05	4.66E+00
y	Chromium (III) (total chromium)	16065-83-1/ 7440-47-3	5.20E-03	4.50E-03	s	M	5.20E+01	0.00E+00	---	3.08E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y	Chromium (VI)	18540-29-9	5.20E-03	4.50E-03	s	M	5.20E+01	0.00E+00	---	1.15E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y	Chrysene	218-01-9	---	---	s	O	2.28E+02	5.03E-05	5.49E+00	---	2.48E-02	6.21E-06	2.00E-03	7.80E-09	5.52E+00
y	Cobalt	7440-48-4	1.00E-02	7.00E-03	s	M	5.89E+01	0.00E+00	---	1.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
N	Copolymer acrylamide	69418-26-4	---	---	s	O	7.11E+01	1.33E-08	-6.60E-01	---	9.70E-02	1.28E-05	2.20E+06	7.00E-03	-8.07E-01
y	Copper	7440-50-8	2.90E-01	2.50E-01	s	M	6.35E+01	0.00E+00	---	1.60E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-5.71E-01
N	Coronene	191-07-1	---	---	s	O	3.00E+02	6.60E-06	7.46E+00	---	3.70E-02	4.93E-06	9.03E-06	2.21E-13	7.59E+00
N	Coumaphos	56-72-4	---	---	s	O	3.63E+02	2.17E-07	4.20E+00	---	3.53E-02	4.81E-06	3.86E-01	4.22E-09	4.26E+00
N	Cresol	1319-77-3	---	---	l	O	1.08E+02	3.62E-05	1.94E+00	---	7.40E-02	1.00E-05	2.30E+04	1.40E-01	2.06E+00
y	Cresol, m- (3-methylphenol)	108-39-4	---	---	l	O	1.08E+02	3.62E-05	1.94E+00	---	7.40E-02	1.00E-05	2.30E+04	1.40E-01	2.06E+00
y	Cresol, o- (2-methylphenol)	95-48-7	---	---	s	O	1.08E+02	6.65E-05	1.99E+00	---	7.40E-02	8.30E-06	2.04E+04	3.20E-01	2.06E+00
y	Cresol, p- (4-methylphenol)	106-44-5	---	---	s	O	1.08E+02	3.99E-05	1.91E+00	---	7.40E-02	1.00E-05	2.30E+04	1.30E-01	2.06E+00
y	Crotonaldehyde	123-73-9	---	---	l	O	7.01E+01	8.15E-04	2.14E-01	---	9.37E-02	1.02E-05	1.60E+05	1.90E+01	6.01E-01
y	Cumene (isopropylbenzene)	98-82-8	---	---	l	O	1.20E+02	6.07E-01	3.54E+00	---	6.50E-02	7.10E-06	5.00E+01	4.60E+00	3.45E+00
N	Cyanazine	21725-46-2	---	---	s	O	2.41E+02	6.70E-10	1.69E+00	---	4.33E-02	5.83E-06	1.15E+02	7.28E-09	1.72E+00
y	Cyanide	57-12-5	---	---	---	I	2.60E+01	0.00E+00	---	9.96E-01	5.21E-01	2.28E-05	1.00E+05	1.38E+01	-6.93E-01

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/(µg/g soil))	Brbg.inorg ((µg/g DW)/((µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
y	Cyanogen	460-19-5	---	---	g	O	5.20E+01	2.06E-01	1.34E-01	---	2.04E-01	1.37E-05	1.00E+04	3.88E+03	7.00E-02
N	Cycloate	1134-23-2	---	---	l	O	2.15E+02	8.55E-05	3.44E+00	---	4.28E-02	5.60E-06	8.32E+01	6.04E-04	3.80E+00
N	Cyclohexane	110-82-7	---	---	l	O	8.42E+01	6.68E+00	2.87E+00	---	7.84E-02	8.39E-06	4.25E+01	6.16E+01	3.52E+00
N	Cyclohexanol	108-93-0	---	---	s	O	1.00E+02	3.52E-05	1.09E+00	---	7.20E-02	8.63E-06	2.09E+00	2.84E-01	1.11E+00
y	Cyclohexanone	108-94-1	---	---	l	O	9.81E+01	4.99E-04	7.39E-01	---	7.72E-02	8.73E-06	2.30E+04	4.00E+00	1.13E+00
N	Cyclotetramethylenetetranitramine (HMX)	2691-41-0	---	---	s	O	2.96E+02	2.50E-14	-1.40E+00	---	3.74E-02	6.34E-06	2.37E+03	4.75E-15	-1.30E+00
y	Cyclotrimethylenetrinitramine (RDX)	121-82-4	---	---	s	O	2.22E+02	4.99E-04	1.80E+00	---	6.65E-02	6.39E-06	3.87E+01	1.00E-09	8.70E-01
N	Cymene (isopropyltoluene)	99-87-6	---	---	l	O	1.34E+02	4.66E-01	3.36E+00	---	5.72E-02	6.73E-06	1.72E+01	1.08E+00	4.14E+00
N	Cymoxanil	57966-95-7	---	---	s	OA	1.98E+02	1.37E-08	-3.89E+00	---	4.91E-02	6.76E-06	4.47E+03	1.13E-06	6.00E-01
N	Dacthal (DCPA)	1861-32-1	---	---	s	O	3.32E+02	9.35E-06	4.67E+00	---	4.20E-02	2.05E+00	2.20E-01	1.13E-07	4.71E+00
N	Dalapon, sodium salt (2,2-dichloropropanoic acid)	75-99-0	---	---	s	O	1.43E+02	1.46E-05	1.40E+00	---	6.98E-02	8.70E-06	6.98E+04	1.30E-01	1.60E+00
y	DDD	72-54-8	---	---	s	O	3.20E+02	1.66E-04	4.93E+00	---	1.69E-02	4.76E-06	9.00E-02	8.66E-07	5.87E+00
y	DDE	72-55-9	---	---	s	O	2.42E+02	8.73E-04	5.04E+00	---	1.44E-02	5.87E-06	6.50E-02	5.66E-06	6.00E+00
y	DDT	50-29-3	---	---	s	O	3.54E+02	2.23E-03	5.14E+00	---	1.37E-02	4.95E-06	3.10E-03	3.93E-07	6.79E+00
N	Demeton	8065-48-3	---	---	l	O	2.58E+02	6.65E-03	2.43E+00	---	4.56E-02	5.45E-06	7.20E+02	1.00E-04	2.97E+00
N	Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	123-42-2	---	---	l	O	1.16E+02	1.68E-06	2.67E-01	---	6.39E-02	7.74E-06	6.81E+05	1.80E-01	2.71E-01
y	Diallate	2303-16-4	---	---	s	O	2.70E+02	1.58E-04	3.28E+00	---	8.00E-02	8.00E-06	1.40E+01	1.50E-04	4.08E+00
y	Diazinon	333-41-5	---	---	l	O	3.04E+02	4.70E-06	2.12E+00	---	1.80E-02	4.90E-06	4.00E+01	8.40E-05	3.86E+00
N	Dibenz-a,h-acridine	226-36-8	---	---	s	O	2.79E+02	8.44E-09	6.28E+00	---	3.78E-02	5.39E-06	6.84E-04	3.79E-13	6.39E+00
y	Dibenz-a,h-anthracene	53-70-3	---	---	s	O	2.78E+02	4.66E-07	6.28E+00	---	2.00E-02	5.18E-06	5.00E-04	2.10E-11	6.70E+00
N	Dibenz-a,j-acridine	224-42-0	---	---	s	O	2.79E+02	7.08E-09	6.35E+00	---	3.79E-02	5.41E-06	8.14E-04	3.77E-13	6.36E+00
N	Dibenzofuran	132-64-9	---	---	s	O	1.68E+02	5.28E-03	3.93E+00	---	5.51E-02	7.04E-06	2.86E+00	1.64E-03	4.00E+00
N	Dibenzothiophene	132-65-0	---	---	s	O	1.84E+02	9.79E-04	4.54E+00	---	5.22E-02	6.74E-06	2.11E-01	2.05E-05	4.61E+00
y	Dibromochloromethane (chlorodibromomethane)	124-48-1	---	---	l	O	2.08E+02	3.25E-02	1.80E+00	---	1.96E-02	1.05E-05	5.25E+03	1.50E+01	1.70E+00
y	Dibromo-3-chloropropane, 1,2-	96-12-8	---	---	l	O	2.36E+02	8.31E-03	2.23E+00	---	8.00E-02	8.00E-06	1.00E+03	7.60E-01	2.68E+00
N	Dibromofluoromethane	1868-53-7	---	---	l	O	1.92E+02	1.14E-01	1.40E+00	---	8.70E-02	1.01E-05	1.26E+04	1.37E+02	1.67E+00
y	Dicamba	1918-00-9	---	---	s	O	2.09E+02	3.28E-07	3.42E-01	---	6.02E-02	6.69E-06	5.60E+03	9.70E-05	2.14E+00
y	Dichlorobenzene, 1,2-	95-50-1	---	---	l	O	1.47E+02	8.73E-02	2.84E+00	---	6.90E-02	7.90E-06	1.50E+02	1.36E+00	3.28E+00
y	Dichlorobenzene, 1,3-	541-73-1	---	---	l	O	1.47E+02	1.95E-01	2.23E+00	---	6.80E-02	8.13E-06	1.10E+02	2.30E+00	3.28E+00
y	Dichlorobenzene, 1,4-	106-46-7	---	---	s	O	1.47E+02	1.17E-01	2.81E+00	---	6.90E-02	7.90E-06	7.38E+01	1.06E+00	3.28E+00
y	Dichlorobenzidine, 3,3-	91-94-1	---	---	s	O	2.53E+02	8.65E-07	2.86E+00	---	1.94E-02	6.74E-06	3.11E+00	2.20E-07	3.21E+00
N	Dichlorobutane, 2,3-	7581-97-7	---	---	l	O	1.27E+02	2.31E-01	2.30E+00	---	7.10E-02	8.07E-06	4.52E+02	1.50E+01	2.81E+00
y	Dichloro-2-butene, 1,4-	764-41-0	---	---	l	O	1.25E+02	1.24E-02	2.26E+00	---	7.43E-02	8.62E-06	6.91E+03	1.26E+01	2.60E+00
N	Dichloro-2-butene, 1,4- trans	110-57-6	---	---	l	O	1.25E+02	1.35E-02	2.31E+00	---	7.14E-02	8.48E-06	1.27E+03	2.52E+00	2.35E+00
y	Dichlorodifluoromethane	75-71-8	---	---	l	O	1.21E+02	1.67E+01	2.11E+00	---	5.20E-02	1.05E-05	2.80E+02	4.80E+03	1.82E+00
y	Dichloroethane, 1,1-	75-34-3	---	---	l	O	9.90E+01	2.39E-01	1.50E+00	---	7.42E-02	1.05E-05	5.50E+03	2.28E+02	1.76E+00
y	Dichloroethane, 1,2-	107-06-2	---	---	l	O	9.90E+01	5.32E-02	1.24E+00	---	1.04E-01	9.90E-06	8.70E+03	8.13E+01	1.83E+00
y	Dichloroethylene, 1,1-	75-35-4	---	---	l	O	9.69E+01	1.06E+00	1.81E+00	---	9.00E-02	1.04E-05	2.40E+03	5.91E+02	2.12E+00
y	Dichloroethylene, cis-1,2-	156-59-2	---	---	l	O	9.69E+01	1.87E-01	1.46E+00	---	7.35E-02	1.13E-05	4.93E+03	1.75E+02	1.86E+00
y	Dichloroethylene, trans-1,2	156-60-5	---	---	l	O	9.69E+01	3.90E-01	1.70E+00	---	7.07E-02	1.19E-05	6.30E+03	3.52E+02	2.07E+00
N	Dichlorophenol, 2,3-	576-24-9	---	---	s	OA	1.63E+02	9.40E-06	2.14E+00	---	6.63E-02	8.21E-06	6.94E+03	7.32E-03	2.77E+00
y	Dichlorophenol, 2,4-	120-83-2	---	---	s	OA	1.63E+02	1.31E-04	1.86E+00	---	3.46E-02	8.77E-06	4.50E+03	7.15E-02	2.80E+00
N	Dichlorophenol, 2,5-	583-78-8	---	---	s	OA	1.63E+02	9.09E-06	2.09E+00	---	6.63E-02	8.19E-06	8.34E+03	8.50E-03	2.73E+00
N	Dichlorophenol, 2,6-	87-65-0	---	---	s	O	1.63E+02	1.20E-05	1.35E+00	---	6.57E-02	8.12E-06	1.03E+02	1.50E-01	2.83E+00
N	Dichlorophenol, 3,4-	95-77-2	---	---	s	OA	1.63E+02	2.75E-06	2.81E+00	---	6.50E-02	8.21E-06	6.80E+03	2.10E-03	2.89E+00
N	Dichlorophenol, 3,5-	591-35-5	---	---	s	OA	1.63E+02	3.68E-06	2.61E+00	---	6.51E-02	8.18E-06	1.06E+04	4.38E-03	2.75E+00
y	Dichlorophenoxyacetic acid, 2,4- (2,4-D)	94-75-7	---	---	s	O	2.21E+02	5.82E-09	2.95E+00	---	5.90E-02	6.50E-06	8.90E+02	2.40E-05	2.62E+00
N	Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	94-82-6	---	---	s	O	2.49E+02	3.19E-08	2.74E-01	---	4.41E-02	6.13E-06	7.76E+01	1.82E-07	3.79E+00
N	Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	120-36-5	---	---	s	O	2.35E+02	9.00E-07	-1.54E+00	---	4.70E-02	6.43E-06	2.30E+02	1.60E-05	3.26E+00
y	Dichloropropane, 1,2-	78-87-5	---	---	l	O	1.13E+02	1.17E-01	1.77E+00	---	7.82E-02	8.73E-06	2.80E+03	5.00E+01	2.25E+00
N	Dichloropropane, 1,3-	142-28-9	---	---	l	O	1.13E+02	5.52E-02	2.10E+00	---	7.91E-02	9.07E-06	2.16E+03	1.93E+01	2.23E+00
N	Dichloropropane, 2,2-	594-20-7	---	---	l	O	1.13E+02	3.39E-01	2.19E+00	---	7.96E-02	8.71E-06	1.68E+03	9.24E+01	2.36E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/ (µg/g soil))	Brbg.inorg ((µg/g DW)/ ((µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
y	Dichloropropanol, 2,3-	616-23-9	---	---	l	O	1.29E+02	3.97E-05	1.53E+00	---	4.84E-02	9.84E-06	2.95E+05	5.82E-01	7.84E-01
N	Dichloropropene, 1,1-	563-58-6	---	---	l	O	1.11E+02	1.82E+00	2.31E+00	---	8.21E-02	8.95E-06	5.44E+02	1.63E+02	2.82E+00
y	Dichloropropene, 1,3- (mixed isomers)	542-75-6	---	---	l	O	1.11E+02	1.23E-01	1.72E+00	---	6.26E-02	1.00E-05	1.55E+03	3.12E+01	1.75E+00
y	Dichloropropene, cis 1,3-	10061-01-5	---	---	l	O	1.11E+02	9.15E-02	1.65E+00	---	7.94E-02	8.00E-06	2.70E+03	3.70E+01	1.53E+00
y	Dichloropropene, trans 1,3-	10061-02-6	---	---	l	O	1.11E+02	9.15E-02	1.65E+00	---	7.94E-02	9.20E-06	2.80E+03	3.00E+01	1.53E+00
y	Dichlorvos	62-73-7	---	---	l	O	2.21E+02	3.98E-05	9.59E+00	---	2.32E-02	7.80E-06	1.60E+04	5.27E-02	1.40E+00
N	Dicrotophos (bidrin)	141-66-2	---	---	l	O	2.37E+02	1.49E-10	-9.68E-01	---	4.33E-02	5.70E-06	1.31E+07	1.68E-03	-7.65E-01
N	Dicyclopentadiene	77-73-6	---	---	---	O	1.32E+02	---	2.96E+00	---	7.32E-02	8.48E-06	insoluble	1.40E+00	3.60E+00
y	Dieldrin	60-57-1	---	---	s	O	3.81E+02	1.11E-04	4.33E+00	---	1.25E-02	4.74E-06	1.95E-01	9.96E-07	5.45E+00
N	Diethanolamine	111-42-2	---	---	s	O	1.05E+02	1.90E-11	-2.10E+00	---	7.15E-02	9.10E-06	Misc.	1.00E-04	-2.13E+00
y	Diethyl phthalate	84-66-2	---	---	l	O	2.22E+02	1.87E-05	2.18E+00	---	2.56E-02	6.35E-06	1.08E+03	1.65E-03	2.65E+00
N	Diethylene glycol	111-46-6	---	---	l	O	1.06E+02	3.88E-09	-1.33E+00	---	7.31E-02	9.15E-06	1.00E+06	1.30E-03	-1.36E+00
N	Diethylene glycol monobutyl ether	112-34-5	---	---	l	O	1.62E+02	2.75E-07	7.50E-01	---	5.14E-02	6.35E-06	5.11E+04	1.58E-03	1.00E+00
y	Diethylhexyl adipate	103-23-1	---	---	l	O	3.71E+02	9.78E-01	5.58E+00	---	3.56E-02	3.72E-06	1.71E-03	8.25E-05	8.12E+00
y	Diethylstilbestrol	56-53-1	---	---	s	O	2.68E+02	2.62E-13	4.88E+00	---	4.43E-02	8.00E-06	1.30E+04	1.06E-09	5.64E+00
N	Diisobutylene (trimethyl-1-pentene, 2,4,4-)	107-39-1	---	---	l	O	1.12E+02	7.34E+01	3.75E+00	---	6.25E-02	6.70E-06	3.17E+00	3.80E+01	4.64E+00
N	Diisopropyl ether (2,2'-oxybis-propane)	108-20-3	---	---	l	O	1.02E+02	1.63E-01	1.81E+00	---	6.81E-02	7.15E-06	2.67E+03	7.76E+01	2.19E+00
N	Dimethenamid	87674-68-8	---	---	l	O	2.76E+02	2.18E-09	1.35E+00	---	3.80E-02	5.35E-06	3.75E+04	5.42E-06	1.49E+00
y	Dimethoate	60-51-5	---	---	s	O	2.29E+02	2.58E-09	6.30E-01	---	8.00E-02	8.00E-06	2.50E+04	5.09E-06	2.78E-01
y	Dimethoxybenzidine, 3,3'-	119-90-4	---	---	s	O	2.44E+02	1.66E-08	1.78E+00	---	2.42E-02	5.50E-06	2.40E+02	2.50E-07	2.08E+00
N	Dimethylaminoazobenzene, p-	60-11-7	---	---	s	OB	2.25E+02	3.25E-05	5.06E+00	---	4.25E-02	5.57E-06	4.04E-01	1.07E-06	5.00E+00
N	Dimethylbenz-a-anthracene, 7,12-	57-97-6	---	---	s	O	2.56E+02	6.49E-06	6.93E+00	---	3.90E-02	5.39E-06	1.27E-03	4.03E-10	7.14E+00
y	Dimethylbenzidine, 3,3'-	119-93-7	---	---	s	O	2.12E+02	5.40E-09	2.30E+00	---	5.10E-02	8.00E-06	2.40E+02	3.70E-07	3.02E+00
N	Dimethylnaphthalene, 1,3-	575-41-7	---	---	l	O	1.56E+02	7.23E-03	4.30E+00	---	5.39E-02	6.77E-06	8.85E+00	7.49E-03	4.38E+00
y	Dimethyl phenol, 2,4-	105-67-9	---	---	s	O	1.22E+02	8.31E-05	2.07E+00	---	5.84E-02	8.69E-06	6.20E+03	1.26E-01	2.61E+00
N	Dimethylphenethylamine, alpha, alpha-	122-09-8	---	---	l	O	1.49E+02	5.45E-05	2.16E+00	---	5.57E-02	6.64E-06	3.54E+03	1.30E-01	2.20E+00
y	Dimethylphthalate	131-11-3	---	---	l	O	1.94E+02	2.40E-05	1.50E+00	---	5.68E-02	6.30E-06	4.19E+03	9.12E-03	1.66E+00
y	Di-n-butyl phthalate	84-74-2	---	---	l	O	2.78E+02	5.94E-05	4.53E+00	---	4.38E-02	7.86E-06	1.12E+01	4.25E-05	4.61E+00
y	Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	99-65-0	---	---	s	O	1.68E+02	4.57E-06	1.48E+00	---	2.80E-01	7.60E-06	5.40E+02	2.49E-04	1.63E+00
y	Dinitrobenzene, 1,4-	100-25-4	---	---	s	O	1.68E+02	4.44E-06	1.42E+00	---	6.15E-02	7.18E-06	1.00E+02	4.83E-05	1.63E+00
N	Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	534-52-1	---	---	s	O	1.98E+02	1.07E-07	-1.50E+00	---	5.31E-02	7.27E-06	3.00E+03	2.87E-05	2.07E+00
y	Dinitrophenol, 2,4-	51-28-5	---	---	s	OA	1.84E+02	2.01E-07	-2.00E+00	---	2.73E-02	9.06E-06	5.80E+03	1.14E-04	1.73E+00
N	Dinitrophenol, 2,5-	329-71-5	---	---	s	OA	1.84E+02	1.47E-07	2.55E-03	---	5.98E-02	7.84E-06	1.79E+03	2.61E-05	2.62E+00
y	Dinitrotoluene, 2,4-	121-14-2	---	---	s	O	1.82E+02	3.60E-05	1.71E+00	---	2.03E-01	7.06E-06	2.85E+02	1.74E-04	2.18E+00
y	Dinitrotoluene, 2,6-	606-20-2	---	---	s	O	1.82E+02	3.11E-05	1.62E+00	---	3.27E-02	7.26E-06	1.82E+02	5.70E-04	2.18E+00
y	Di-n-octyl phthalate	117-84-0	---	---	l	O	3.91E+02	2.78E-03	7.92E+00	---	1.51E-02	3.90E-06	2.00E-02	4.47E-06	8.54E+00
y	Dinoseb	88-85-7	---	---	s	O	2.40E+02	2.08E-02	3.08E+00	---	2.25E-02	6.25E-06	5.20E+01	7.52E-02	3.67E+00
y	Dioxane 1,4-	123-91-1	---	---	l	O	8.81E+01	2.04E-04	-2.68E-01	---	2.30E-01	1.00E-05	9.00E+05	3.80E+01	-3.20E-01
y	Diphenylamine	122-39-4	---	---	s	O	1.69E+02	1.83E-04	2.54E+00	---	6.80E-02	6.30E-06	3.00E+02	4.26E-03	3.29E+00
y	Diphenylhydrazine, 1,2-	122-66-7	---	---	s	O	1.84E+02	1.42E-07	2.82E+00	---	5.62E-02	5.70E-06	1.84E+03	2.60E-05	3.06E+00
N	Diphenyl oxide	101-84-8	---	---	s	O	1.70E+02	1.75E-02	4.18E+00	---	5.30E-02	6.69E-06	7.78E+00	1.47E-02	4.25E+00
y	Diquat	85-00-7	---	---	s	O	3.44E+02	2.69E-12	2.31E+00	---	5.52E-02	5.52E-06	7.00E+05	1.00E-07	-2.82E+00
N	Disodium iminodiacetate (iminodiacetic acid, disodium sal	8-72-3/ 142-72	---	---	s	O	1.33E+02	3.82E-14	-1.31E+00	---	6.03E-02	8.38E-06	1.57E+05	8.21E-10	-1.33E+00
y	Disulfoton	298-04-4	---	---	s	O	2.74E+02	2.58E-04	3.95E+00	---	8.00E-02	8.00E-06	1.60E+01	2.30E-04	3.86E+00
y	Diuron	330-54-1	---	---	s	O	2.33E+02	3.04E-08	2.63E+00	---	5.40E-02	5.30E-06	4.20E+01	1.00E-07	2.67E+00
N	Dodecylphenol, 4-	27193-86-8/ 104-43-8	---	---	l	OA	2.62E+02	4.00E-04	8.40E+00	---	3.46E-02	4.72E-06	3.80E-02	1.06E-06	8.40E+00
y	Endosulfan	115-29-7	---	---	s	O	4.07E+02	4.66E-04	2.87E+00	---	1.15E-02	4.55E-06	5.10E-01	9.96E-06	3.84E+00
N	Endosulfan I	959-98-8	---	---	s	O	4.07E+02	3.55E-05	4.20E+00	---	3.22E-02	4.67E-06	1.73E+00	2.75E-06	5.20E+00
N	Endosulfan II	33213-65-9	---	---	s	O	4.07E+02	3.55E-05	4.20E+00	---	3.22E-02	4.67E-06	1.16E+00	1.84E-06	5.20E+00
N	Endosulfan sulfate	1031-07-8	---	---	s	O	4.23E+02	3.65E-05	5.90E+00	---	3.00E-02	4.63E-06	1.03E-01	1.62E-07	6.01E+00
y	Endothall	145-73-3	---	---	s	O	2.30E+02	1.08E-08	1.93E+00	---	5.72E-02	7.50E-06	1.00E+05	1.80E-04	1.89E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/ (µg/g soil))	Brbg.inorg ((µg/g DW)/ (µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
y	Endrin	72-20-8	---	---	s	O	3.81E+02	4.95E-05	3.97E+00	---	1.25E-02	4.74E-06	2.50E-01	5.84E-07	5.45E+00
N	Endrin aldehyde	7421-93-4	---	---	l	O	3.81E+02	1.80E-02	6.33E+00	---	2.97E-02	3.83E-06	1.68E-02	1.46E-05	6.44E+00
N	Endrin ketone	53494-70-5	---	---	s	O	3.81E+02	3.66E-05	5.24E+00	---	3.10E-02	4.46E-06	8.60E-01	1.51E-06	5.33E+00
y	Epichlorohydrin	106-89-8	---	---	l	O	9.25E+01	1.37E-03	3.00E-01	---	8.60E-02	9.80E-06	6.60E+04	1.67E+01	6.26E-01
N	EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	2104-64-5	---	---	s	O	3.23E+02	2.00E-08	3.75E+00	---	3.93E-02	5.16E-06	1.40E+00	1.91E-09	3.81E+00
N	Esfenvalerate	66230-04-4	---	---	s	O	4.20E+02	1.70E-08	4.80E+00	---	2.91E-02	4.18E-06	2.00E-04	1.80E-11	6.30E+00
N	Ethalfluralin (sonolan)	55283-68-6	---	---	l	O	3.33E+02	1.54E-05	4.78E+00	---	3.75E-02	4.96E-06	1.01E+01	8.54E-06	4.82E+00
N	Ethanol	64-17-5	---	---	l	O	4.61E+01	2.77E-04	7.68E-02	---	1.15E-01	1.22E-05	2.96E+05	3.26E+01	-2.00E-03
y	Ethion	563-12-2	---	---	l	O	3.84E+02	2.87E-05	4.19E+00	---	3.20E-02	4.60E-06	1.20E+00	1.50E-06	4.75E+00
N	Ethoprop	13194-48-4	---	---	l	O	2.42E+02	6.73E-06	3.09E+00	---	4.16E-02	5.56E-06	7.50E+02	3.80E-04	3.14E+00
y	Ethoxy ethanol, 2-	110-80-5	---	---	l	O	9.01E+01	2.13E+00	-9.69E-02	---	9.47E-02	9.75E-06	1.20E+01	4.56E+00	-4.16E-01
y	Ethyl acetate	141-78-6	---	---	l	O	8.81E+01	5.57E-03	7.20E-01	---	7.30E-02	9.70E-06	7.90E+04	9.41E+01	8.64E-01
y	Ethyl acrylate	140-88-5	---	---	l	O	1.00E+02	1.06E-02	2.03E+00	---	7.40E-02	8.68E-06	2.00E+04	2.95E+01	1.22E+00
y	Ethyl benzene	100-41-4	---	---	l	O	1.06E+02	3.28E-01	2.31E+00	---	7.50E-02	7.80E-06	1.69E+02	9.60E+00	3.03E+00
y	Ethyl dipropylthiocarbamate, S-	759-94-4	---	---	l	O	1.89E+02	4.57E-03	2.38E+00	---	5.35E-02	5.65E-06	3.70E+02	1.60E-01	3.02E+00
N	Ethylene*	74-85-1	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Ethylenediamine	107-15-3	---	---	l	O	6.01E+01	7.19E-08	6.73E-01	---	1.53E-01	1.12E-05	7.95E+06	1.10E+01	-1.62E+00
y	Ethylene dibromide (dibromoethane, 1,2-)	106-93-4	---	---	l	O	1.88E+02	2.93E-02	1.73E+00	---	2.17E-02	1.90E-05	4.32E+03	1.10E+01	2.01E+00
y	Ethylene glycol	107-21-1	---	---	l	O	6.21E+01	2.49E-06	-9.00E-01	---	1.08E-01	1.22E-05	1.00E+06	7.00E-02	-1.20E+00
N	Ethylenimine	151-56-4	---	---	l	OB	4.31E+01	1.68E-05	2.68E-01	---	1.20E-01	1.30E-05	8.62E+05	2.31E+02	-6.04E-01
y	Ethylene oxide	75-21-8	---	---	g	O	4.41E+01	4.92E-03	3.42E-01	---	1.04E-01	1.45E-05	3.83E+05	1.32E+03	-4.54E-02
y	Ethylene thiourea	96-45-7	---	---	s	O	1.02E+02	4.99E-05	-6.60E-01	---	7.15E-02	1.02E-05	1.20E+04	8.36E-02	-4.91E-01
y	Ethyl ether	60-29-7	---	---	l	O	7.41E+01	2.70E-02	8.80E-01	---	7.40E-02	9.30E-06	6.10E+04	5.40E+02	1.05E+00
N	Ethyl-1-hexanol, 2-	104-76-7	---	---	l	O	1.30E+02	8.73E-04	2.67E+00	---	5.70E-02	6.73E-06	8.66E+02	1.10E-01	2.72E+00
N	Ethyl-2-hexenal, 2-	645-62-5	---	---	l	O	1.26E+02	1.79E-02	2.15E+00	---	6.00E-02	6.91E-06	5.85E+02	1.52E+00	2.62E+00
N	Ethylhexyl acrylate, 2-	103-11-7	---	---	l	O	1.84E+02	4.29E-02	4.00E+00	---	4.68E-02	5.74E-06	1.37E+01	5.85E-02	4.07E+00
y	Ethyl methacrylate	97-63-2	---	---	l	O	1.14E+02	6.65E-03	1.57E+00	---	8.00E-02	8.00E-06	1.90E+04	1.75E+01	1.77E+00
N	Ethyl methanesulfonate	62-50-0	---	---	l	O	1.24E+02	2.49E-06	-6.04E-01	---	6.94E-02	8.72E-06	6.95E+04	2.54E-02	-6.14E-01
y	Ethyl-2-methyl benzene, 1-	611-14-3	---	---	l	O	1.20E+02	2.19E-01	3.03E+00	---	6.76E-02	7.29E-06	7.46E+01	2.48E+00	3.53E+00
y	Ethyl-4-methyl benzene, 1-	622-96-8	---	---	l	O	1.20E+02	3.27E-01	3.07E+00	---	6.70E-02	7.18E-06	9.49E+01	2.95E+00	3.58E+00
N	Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	637-92-3	---	---	l	O	1.02E+02	9.99E-02	1.57E+00	---	6.95E-02	7.34E-06	5.03E+03	9.00E+01	1.88E+00
N	Famphur	52-85-7	---	---	s	O	3.25E+02	6.70E-11	1.14E+00	---	4.02E-02	5.31E-06	7.06E+03	2.66E-08	1.29E+00
N	Fensulfothion	115-90-2	---	---	l	O	3.08E+02	1.42E-07	2.49E+00	---	4.04E-02	5.32E-06	4.10E+04	3.45E-04	2.05E+00
N	Fenthion	55-38-9	---	---	l	O	2.78E+02	2.13E-05	3.04E+00	---	4.35E-02	5.42E-06	2.17E+01	1.38E-04	3.06E+00
y	Fluoranthene	206-44-0	---	---	s	O	2.02E+02	3.88E-04	4.69E+00	---	3.02E-02	6.35E-06	2.60E-01	8.13E-06	4.93E+00
y	Fluorene	86-73-7	---	---	s	O	1.66E+02	2.64E-03	3.88E+00	---	3.63E-02	7.88E-06	1.98E+00	3.24E-03	4.02E+00
y	Fluorine (soluble fluoride)	7782-41-4	---	---	g	I	3.80E+01	---	---	2.18E+00	---	---	NA/reacts	7.60E+02	2.23E-01
N	Fluorochloridone	61213-25-0	---	---	s	O	3.12E+02	8.44E-08	2.69E+00	---	4.09E-02	5.47E-06	8.23E+01	4.07E-07	3.30E+00
N	Fonofos	944-22-9	---	---	s	O	2.46E+02	3.17E-01	3.55E+00	---	4.65E-02	5.52E-06	1.46E+01	3.43E-01	4.00E+00
y	Formaldehyde	50-00-0	---	---	g	O	3.00E+01	1.37E-05	3.40E-01	---	1.80E-01	2.00E-05	5.50E+05	3.88E+03	3.50E-01
y	Formic acid	64-18-6	---	---	l	O	4.60E+01	1.79E-04	-5.40E-01	---	7.90E-02	1.40E-06	1.00E+06	4.10E+01	-4.61E-01
y	Furan	110-00-9	---	---	l	O	6.81E+01	2.24E-01	1.32E+00	---	1.04E-01	1.20E-05	1.00E+04	6.00E+02	1.36E+00
y	Furfural	98-01-1	---	---	l	O	9.61E+01	1.25E-04	4.45E-01	---	8.72E-02	1.12E-05	8.60E+04	2.00E+00	8.32E-01
y	Glycidylaldehyde	765-34-4	---	---	l	O	7.21E+01	1.08E-05	9.64E-01	---	9.64E-02	1.16E-05	8.55E+07	2.70E+01	-1.17E-01
N	Glyphosate	1071-83-6	---	---	s	OA	1.69E+02	5.82E-11	-1.31E+01	---	5.07E-02	8.30E-06	1.20E+04	7.50E-08	-1.60E+00
y	Heptachlor	76-44-8	---	---	s	O	3.73E+02	2.44E-02	4.07E+00	---	1.12E-02	5.69E-06	1.80E-01	3.26E-04	6.21E+00
y	Heptachlor epoxide	1024-57-3	---	---	s	O	3.89E+02	3.45E-04	3.86E+00	---	1.32E-02	4.23E-06	2.75E-01	4.34E-06	4.91E+00
N	Heptane, n-	142-82-5	---	---	l	O	1.00E+02	8.37E+01	3.84E+00	---	6.54E-02	7.00E-06	2.66E+00	4.07E+01	4.75E+00
N	Heptanoic acid, n-	111-14-8	---	---	l	OA	1.30E+02	3.72E-05	-3.00E-01	---	5.73E-02	7.13E-06	1.70E+03	8.84E-03	2.99E+00
y	Hexachlorobenzene	118-74-1	---	---	s	O	2.85E+02	2.22E-02	4.45E+00	---	5.42E-02	5.91E-06	6.00E-03	1.23E-05	5.86E+00
y	Hexachlorobutadiene	87-68-3	---	---	l	O	2.61E+02	9.94E-01	3.84E+00	---	5.61E-02	6.16E-06	2.55E+00	1.77E-01	4.72E+00
y	Hexachlorocyclohexane, alpha (alpha-BHC)	319-84-6	---	---	s	O	2.91E+02	2.82E-04	3.12E+00	---	1.42E-02	7.34E-06	2.00E+00	4.26E-05	4.26E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/ (µg/g soil))	Brbg.inorg ((µg/g DW)/ ((µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
y	Hexachlorocyclohexane, beta (beta-BHC)	319-85-7	---	---	s	O	2.91E+02	1.44E-05	3.14E+00	---	1.42E-02	7.34E-06	5.42E-01	4.90E-07	4.26E+00
N	Hexachlorocyclohexane, delta (delta-BHC)	319-86-8	---	---	s	O	2.91E+02	1.77E-04	3.93E+00	---	4.50E-02	6.20E-06	2.59E+00	2.87E-05	4.00E+00
y	Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	58-89-9	---	---	s	O	2.91E+02	1.41E-04	3.04E+00	---	1.42E-02	7.34E-06	5.75E+00	3.72E-05	4.26E+00
y	Hexachlorocyclohexane, techn (technical-BHC)	608-73-1	---	---	---	O	2.91E+02	5.99E-05	3.38E+00	---	1.42E-02	7.34E-06	4.35E+01	1.64E-04	4.26E+00
y	Hexachlorocyclopentadiene (HCCPD)	77-47-4	---	---	l	O	2.74E+02	7.15E-01	3.98E+00	---	1.61E-02	7.21E-06	1.80E+00	7.32E-02	4.63E+00
y	Hexachloroethane	67-72-1	---	---	s	O	2.37E+02	1.62E-01	3.26E+00	---	2.50E-03	6.80E-06	5.00E+01	4.72E-01	4.03E+00
y	Hexachlorophene	70-30-4	---	---	s	O	4.07E+02	2.54E-09	7.30E+00	---	8.00E-02	8.00E-06	3.00E-03	2.74E-12	6.92E+00
N	Hexachloropropylene	1888-71-7	---	---	l	O	2.49E+02	3.94E-02	4.03E+00	---	5.64E-02	7.15E-06	4.11E+01	1.19E-01	4.10E+00
y	Hexane, n-	110-54-3	---	---	l	O	8.62E+01	4.66E+01	2.68E+00	---	2.00E-01	7.77E-06	1.30E+01	1.52E+02	3.29E+00
N	Hexanediol, 1,6-	629-11-8	---	---	s	O	1.18E+02	3.14E-08	7.62E-01	---	6.58E-02	7.82E-06	2.34E+04	1.10E-04	7.75E-01
N	Hexanoic acid	142-62-1	---	---	l	O	1.16E+02	1.31E-05	-1.29E+00	---	6.20E-02	7.68E-06	1.19E+04	2.46E-02	2.06E+00
N	Hexanone, 2-	591-78-6	---	---	l	O	1.00E+02	3.38E-03	1.25E+00	---	6.96E-02	7.75E-06	1.79E+04	1.11E+01	1.48E+00
y	Hexazinone	51235-04-2	---	---	s	O	2.52E+02	8.62E-11	1.57E+00	---	5.08E-02	5.11E-06	3.30E+04	2.03E-07	2.15E+00
N	Hexylene glycol (2-methyl-2,4-pentanediol)	107-41-5	---	---	l	O	1.18E+02	6.57E-07	3.93E-01	---	6.57E-02	7.70E-06	7.27E+05	7.40E-02	4.00E-01
y	Hydrazine	302-01-2	---	---	l	O	3.20E+01	7.20E-08	-1.00E+00	---	4.16E-01	1.90E-05	3.41E+08	1.40E+01	-1.47E+00
N	Hydrogen chloride (hydrochloric acid)*	7647-01-0	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Indene	95-13-6	---	---	l	O	1.16E+02	2.08E-02	2.50E+00	---	6.82E-02	7.97E-06	3.90E+02	1.30E+00	2.80E+00
y	Indeno-1,2,3-cd-pyrene	193-39-5	---	---	s	O	2.76E+02	2.85E-06	6.54E+00	---	1.90E-02	5.66E-06	3.75E-03	1.40E-10	6.70E+00
N	Iron*	7439-89-6	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Isobutyl alcohol	78-83-1	---	---	l	O	7.41E+01	4.99E-04	7.50E-01	---	8.60E-02	8.00E-06	9.49E+04	1.00E+01	7.68E-01
N	Isobutylene (2-methyl-1-propene)	115-11-7	---	---	g	O	5.61E+01	9.56E+00	2.03E+00	---	9.90E-02	9.08E-06	2.39E+02	1.75E+03	2.47E+00
N	Isobutyric acid (2-methylpropanoic acid)	79-31-2	---	---	l	OA	8.81E+01	2.40E-05	-2.05E+00	---	7.76E-02	9.17E-06	4.96E+04	4.52E-01	1.15E+00
N	Isodrin	465-73-6	---	---	s	O	3.65E+02	9.13E-02	6.84E+00	---	3.40E-02	4.49E-06	1.70E-02	7.77E-05	6.82E+00
y	Isophorone	78-59-1	---	---	l	O	1.38E+02	2.57E-04	1.48E+00	---	6.23E-02	6.76E-06	1.20E+04	4.10E-01	2.62E+00
N	Isopropyl acetate	108-21-4	---	---	l	O	1.02E+02	1.16E-02	1.02E+00	---	7.35E-02	8.00E-06	2.14E+04	4.43E+01	1.19E+00
N	Isopropyl alcohol	67-63-0	---	---	l	O	6.01E+01	3.70E-04	5.30E-01	---	9.59E-02	1.03E-05	1.97E+05	2.22E+01	5.00E-01
N	Isosafrole	120-58-1	---	---	l	O	1.62E+02	1.28E-03	2.87E+00	---	5.59E-02	7.07E-06	1.43E+02	2.06E-02	2.92E+00
N	Kelthane (dicofol)	115-32-2	---	---	s	OA	3.70E+02	8.20E-07	4.10E+00	---	3.91E-02	5.20E-06	7.00E-01	3.90E-08	5.10E+00
y	Kepone (chlordecone)	143-50-0	---	---	s	O	4.91E+02	1.04E-06	4.43E+00	---	4.22E-02	4.30E-06	7.60E+00	2.25E-07	4.91E+00
y	Lead (inorganic)	7439-92-1	---	---	s	M	2.07E+02	0.00E+00	---	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-01
N	Limonene, d-*	5989-27-5	---	---	---	---	---	---	---	---	---	---	---	---	---
N	Lithium	7439-93-2	2.00E-02	4.00E-03	s	M	6.94E+00	0.00E+00	---	---	---	---	---	---	---
N	Magnesium*	7439-95-4	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Malathion	121-75-5	---	---	l	O	3.30E+02	9.98E-07	2.46E+00	---	1.50E-02	4.40E-06	1.45E+02	7.90E-06	2.29E+00
y	Maleic anhydride	108-31-6	---	---	s	O	9.81E+01	8.31E-06	1.41E+00	---	9.50E-02	1.11E-05	8.65E+02	1.34E-03	1.62E+00
y	Maleic hydrazide	123-33-1	---	---	s	O	1.12E+02	1.03E-10	1.40E+00	---	8.75E-02	8.75E-06	6.00E+03	7.50E-08	-8.87E-01
y	Malononitrile	109-77-3	---	---	s	O	6.61E+01	1.97E-07	6.90E-01	---	9.97E-02	1.09E-05	6.96E+06	3.79E-01	-1.78E-01
N	Mancozeb	8018-01-7	---	---	s	O	2.65E+02	1.81E-05	1.13E+00	---	5.69E-02	6.02E-06	6.20E+00	7.50E-06	1.33E+00
y	Manganese	7439-96-5	1.00E-01	5.00E-02	s	M	5.49E+01	0.00E+00	---	1.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
N	MCPA (4-(chloro-2-methylphenoxy) acetic acid)	94-74-6	---	---	s	O	2.01E+02	1.18E-07	-1.50E+00	---	5.12E-02	6.82E-06	6.50E+02	6.99E-06	3.39E+00
N	MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	7085-19-0/ 93-65-2	---	---	s	O	2.15E+02	1.00E-06	-1.76E+00	---	4.70E-02	6.36E-06	2.80E+02	2.50E-05	3.13E+00
N	Merphos	150-50-5	---	---	l	O	2.99E+02	1.26E+00	5.34E+00	---	3.65E-02	4.75E-06	4.97E-03	3.83E-04	7.29E+00
y*	Mercury[2]	7439-97-6/ 7487-94-7	5.50E-03	1.40E-02	l	M	2.01E+02	4.74E-01	---	-1.40E+00	3.07E-02	6.30E-06	3.00E-02	1.30E-03	-4.71E-01
N	Methacrylic acid (2-methyl-2-propenoic acid)	79-41-4	---	---	l	O	8.61E+01	5.21E-04	-2.40E+00	---	8.50E-02	9.59E-06	9.59E+04	1.06E+01	1.67E+00
y	Methacrylonitrile	126-98-7	---	---	l	O	6.71E+01	3.03E-03	5.30E-01	---	8.00E-02	8.00E-06	2.50E+04	6.80E+01	7.57E-01
y	Methanol	67-56-1	---	---	l	O	3.20E+01	1.94E-04	-7.40E-01	---	1.50E-01	1.64E-05	1.00E+06	1.22E+02	-6.32E-01
N	Methapyrilene	91-80-5	---	---	l	O	2.61E+02	1.18E-07	1.30E+00	---	4.00E-02	5.29E-06	2.03E+03	1.68E-05	3.15E+00
y	Methomyl	16752-77-5	---	---	s	O	1.62E+02	7.48E-09	2.20E+00	---	4.07E-02	7.20E-06	5.80E+04	5.00E-05	6.10E-01
y	Methoxychlor	72-43-5	---	---	s	O	3.46E+02	6.57E-04	4.89E+00	---	1.56E-02	4.46E-06	4.50E-02	1.23E-06	5.67E+00
y	Methoxyethanol, 2-	109-86-4	---	---	l	O	7.61E+01	1.28E+00	9.31E-01	---	9.15E-02	1.02E-05	2.01E+01	6.20E+00	-9.07E-01

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/(µg/g soil))	Brbg.inorg ((µg/g DW)/((µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
N	Methyl acetate (acetic acid, methyl ester)	79-20-9	---	---	l	O	7.41E+01	4.46E-03	2.43E-01	---	9.50E-02	1.01E-05	1.44E+05	1.58E+02	2.46E-01
N	Methyl acrylate	96-33-3	---	---	l	O	8.61E+01	9.15E-03	6.56E-01	---	8.70E-02	9.35E-06	4.03E+04	7.93E+01	7.30E-01
N	Methyl amyl ketone (2-heptanone)	110-43-0	---	---	l	O	1.14E+02	3.64E-03	1.69E+00	---	6.32E-02	7.20E-06	6.06E+03	3.53E+00	2.03E+00
N	Methyl-1-butene, 2-	563-46-2	---	---	l	O	7.01E+01	1.41E+01	2.23E+00	---	8.57E-02	8.93E-06	1.38E+02	5.06E+02	2.72E+00
N	Methyl-2-butene, 2-	513-35-9	---	---	l	O	7.01E+01	7.32E+00	2.19E+00	---	8.57E-02	8.93E-06	2.06E+02	3.93E+02	2.67E+00
N	Methylcholanthrene, 3-	56-49-5	---	---	s	O	2.68E+02	7.72E-07	6.96E+00	---	3.83E-02	5.40E-06	1.76E-04	6.64E-12	7.08E+00
N	Methyl chrysene, 1-	3351-28-8	---	---	s	O	2.42E+02	1.16E-05	6.65E+00	---	4.09E-02	5.61E-06	2.53E-04	2.22E-10	6.76E+00
N	Methyl chrysene, 2-	3351-32-4	---	---	s	O	2.42E+02	1.18E-05	6.65E+00	---	4.09E-02	5.61E-06	3.54E-04	3.17E-10	6.76E+00
N	Methyl chrysene, 6-	1705-85-7	---	---	s	O	2.42E+02	1.17E-05	6.55E+00	---	4.09E-02	5.61E-06	1.07E-03	9.44E-10	6.76E+00
N	Methyl cyclohexane	108-87-2	---	---	l	O	9.82E+01	1.59E+01	3.33E+00	---	6.97E-02	7.59E-06	1.04E+01	3.08E+01	4.10E+00
y	Methylene-bis (2-chloroaniline) 4,4'-	101-14-4	---	---	s	O	2.67E+02	1.40E-05	3.90E+00	---	1.99E-02	5.80E-06	7.24E+01	6.94E-05	3.47E+00
N	Methylene bromide (dibromomethane)	74-95-3	---	---	l	O	1.74E+02	3.49E-02	2.26E+00	---	8.00E-02	8.00E-06	1.10E+04	4.56E+01	1.52E+00
y	Methylene chloride (dichloromethane)	75-09-2	---	---	l	O	8.49E+01	9.10E-02	1.07E+00	---	1.01E-01	1.17E-05	1.54E+04	4.55E+02	1.34E+00
y	Methyl ethyl ketone (2-butanone)	78-93-3	---	---	l	O	7.21E+01	1.94E-03	2.79E-01	---	8.08E-02	9.80E-06	2.40E+05	9.10E+01	2.56E-01
N	Methyl iodide (iodomethane)	74-88-4	---	---	l	O	1.42E+02	2.36E-01	1.31E+00	---	1.02E-01	1.17E-05	1.24E+04	3.79E+02	1.55E+00
y	Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	---	---	l	O	1.00E+02	5.82E-03	1.18E+00	---	7.50E-02	7.80E-06	1.90E+04	1.45E+01	1.16E+00
y	Methyl mercury	22967-92-6	---	---	---	I	2.16E+02	---	---	---	---	---	---	---	7.63E-02
N	Methylmecury hydroxide	1184-57-2	---	---	s	OM	2.33E+02	5.47E-09	1.92E-02	---	1.05E-01	1.43E-05	1.00E+06	7.50E-03	-1.33E+00
y	Methyl methacrylate	80-62-6	---	---	l	O	1.00E+02	1.33E-02	1.36E+00	---	7.70E-02	8.60E-06	1.60E+04	3.80E+01	1.28E+00
N	Methyl methanesulfonate	66-27-3	---	---	l	O	1.10E+02	3.25E-06	-7.54E-01	---	7.52E-02	9.50E-06	4.95E+04	2.67E-02	-7.67E-01
y	Methylnaphthalene, 1-	90-12-0	---	---	s	O	1.42E+02	1.64E-02	3.36E+00	---	6.31E-02	7.13E-06	2.80E+01	6.62E-02	3.72E+00
y	Methylnaphthalene, 2-	91-57-6	---	---	s	O	1.42E+02	1.85E-02	3.64E+00	---	6.29E-02	7.20E-06	2.54E+01	6.75E-02	3.72E+00
N	Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	99-55-8	---	---	s	O	1.52E+02	9.00E-07	1.90E+00	---	6.27E-02	7.93E-06	3.48E+02	1.91E-05	1.94E+00
y	Methyl parathion	298-00-0	---	---	s	O	2.63E+02	5.82E-06	2.81E+00	---	8.00E-02	8.00E-06	5.00E+01	1.52E-05	2.75E+00
N	Methyl-2-pentenal, 2-	623-36-9	---	---	l	O	9.81E+01	1.34E-02	1.44E+00	---	7.21E-02	8.05E-06	5.04E+03	1.26E+01	1.72E+00
N	Methyl-1-propanal, 2- (isobutyraldehyde)	78-84-2	---	---	l	O	7.21E+01	7.48E-03	7.04E-01	---	8.90E-02	9.36E-06	4.59E+04	8.89E+01	7.90E-01
N	Methylpyrrolidone, N-	872-50-4	---	---	l	O	9.91E+01	1.83E-06	1.01E-02	---	7.16E-02	8.75E-06	miscible	4.90E-01	1.00E-02
N	Methyltetrahydrofuran, 2-	96-47-9	---	---	l	O	8.61E+01	8.78E-03	9.43E-01	---	8.09E-02	8.72E-06	3.99E+04	7.44E+01	1.09E+00
N	Methyltetrahydropyran, 2-	10141-72-7	---	---	l	O	1.00E+02	8.30E-03	1.28E+00	---	7.19E-02	8.04E-06	1.23E+04	1.87E+01	1.52E+00
N	Metolachlor	51218-45-2	---	---	l	O	2.84E+02	3.13E-08	2.85E+00	---	3.61E-02	5.10E-06	8.64E+02	2.29E-06	2.90E+00
N	Metribuzin	21087-64-9	---	---	s	O	2.14E+02	4.99E-09	3.48E-01	---	4.51E-02	5.98E-06	1.21E+05	5.16E-05	3.72E-01
N	Mirex	2385-85-5	---	---	s	O	5.46E+02	3.20E-01	7.36E+00	---	3.50E-02	4.08E-06	3.41E-08	7.50E-07	1.10E+01
y	Molinate	2212-67-1	---	---	l	O	1.87E+02	5.25E-05	1.70E+00	---	5.65E-02	6.00E-06	9.00E+02	5.60E-03	2.91E+00
y	Molybdenum	7439-98-7	1.00E-01	6.00E-02	s	M	9.59E+01	0.00E+00	---	1.30E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
N	Morpholine	110-91-8	---	---	l	O	8.71E+01	2.28E-06	-2.63E-02	---	8.34E-02	9.44E-06	3.33E+07	1.59E+01	-8.80E-01
y	MTBE (methyl tert-butyl ether)	1634-04-4	---	---	l	O	8.81E+01	2.44E-02	1.15E+00	---	7.92E-02	9.41E-05	4.80E+04	2.49E+02	1.43E+00
y	Naled	300-76-5	---	---	l	O	3.81E+02	2.71E-03	2.12E+00	---	4.40E-02	6.80E-06	1.50E+00	2.00E-04	1.60E+00
y	Naphthalene	91-20-3	---	---	s	O	1.28E+02	2.00E-02	3.19E+00	---	5.90E-02	7.50E-06	3.14E+01	8.89E-02	3.17E+00
N	Naphthoquinone, 1,4-	130-15-4	---	---	s	O	1.58E+02	4.00E-05	1.29E+00	---	5.55E-02	7.09E-06	2.20E+02	1.34E-03	1.50E+00
N	Naphthylamine, 1-	134-32-7	---	---	s	O	1.43E+02	8.64E-06	2.64E+00	---	5.89E-02	7.56E-06	5.84E+02	6.44E-04	2.64E+00
N	Naphthylamine, 2-	91-59-8	---	---	s	O	1.43E+02	1.00E-06	2.76E+00	---	5.86E-02	7.46E-06	1.25E+02	6.76E-05	2.76E+00
N	Napropamide	15299-99-7	---	---	s	OB	2.71E+02	2.17E-07	3.74E+00	---	3.78E-02	5.05E-06	2.57E+01	3.77E-07	3.81E+00
N	Neopentyl glycol	126-30-7	---	---	s	O	1.04E+02	5.11E-07	2.54E-01	---	7.23E-02	8.54E-06	2.81E+05	2.52E-02	2.22E-01
y	Nickel and compounds	7440-02-0	2.50E-02	8.00E-03	s	M	5.87E+01	0.00E+00	---	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-5.71E-01
y	Nitrate	14797-55-8	---	---	---	I	6.20E+01	0.00E+00	-2.00E+00	---	---	---	---	---	2.09E-01
y	Nitrite	14797-65-0	---	---	---	I	4.60E+01	---	---	---	---	---	---	---	5.64E-02
y	Nitroaniline, 2-	88-74-4	---	---	s	O	1.38E+02	2.08E-05	1.43E+00	---	5.99E-02	7.18E-06	1.26E+03	4.75E-03	2.02E+00
N	Nitroaniline, 3-	99-09-2	---	---	s	O	1.38E+02	2.31E-07	1.60E+00	---	6.73E-02	8.59E-06	4.56E+02	1.39E-05	1.62E+00
N	Nitroaniline, 4-	100-01-6	---	---	s	O	1.38E+02	3.33E-08	1.05E+00	---	6.69E-02	8.59E-06	6.49E+02	2.86E-06	1.07E+00
y	Nitrobenzene	98-95-3	---	---	l	O	1.23E+02	8.56E-04	2.12E+00	---	7.60E-02	8.60E-06	1.90E+03	2.44E-01	1.81E+00
N	Nitroglycerin	55-63-0	---	---	l	O	2.27E+02	3.40E-06	1.97E+00	---	5.53E-02	7.34E-06	6.70E+04	1.00E-04	2.00E+00
N	Nitrophenol, 2-	88-75-5	---	---	s	O	1.39E+02	2.21E-05	1.32E+00	---	6.87E-02	8.47E-06	1.73E+04	5.03E-02	2.35E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/ (µg/g soil))	Brbg.inorg ((µg/g DW)/ ((µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
N	Nitrophenol, 3-	554-84-7	---	---	s	O	1.39E+02	1.90E-11	1.84E+00	---	6.65E-02	8.61E-06	5.86E+03	7.81E-05	1.97E+00
N	Nitrophenol, 4-	100-02-7	---	---	s	O	1.39E+02	3.24E-08	5.00E-01	---	6.73E-02	8.66E-06	4.49E+03	1.91E-05	1.73E+00
y	Nitropropane, 2-	79-46-9	---	---	l	O	8.91E+01	5.15E-03	5.44E-01	---	9.23E-02	1.01E-05	1.70E+04	1.82E+01	8.72E-01
N	Nitroquinoline-N-oxide, 4-	56-57-5	---	---	s	O	1.90E+02	8.23E-13	1.07E+00	---	6.78E-02	7.44E-06	1.17E+07	9.23E-07	1.09E+00
y	Nitrosodiethanolamine, N-	1116-54-7	---	---	l	O	1.34E+02	2.05E-09	4.76E-01	---	7.27E-02	7.70E-06	7.33E+07	5.00E-04	-1.28E+00
y	Nitrosodiethylamine, N-	55-18-5	---	---	l	O	1.02E+02	3.60E-05	4.77E-01	---	8.00E-02	8.00E-06	1.47E+05	1.42E+00	3.44E-01
y	Nitrosodimethylamine, N-	62-75-9	---	---	l	O	7.41E+01	2.16E-05	5.56E-01	---	1.34E-01	9.72E-06	1.00E+06	5.37E+00	-6.39E-01
y	Nitrosodi-n-butylamine, N-	924-16-3	---	---	---	O	1.58E+02	3.58E-03	2.36E+00	---	8.00E-02	8.00E-06	1.20E+03	2.89E-01	2.31E+00
y	Nitrosodi-n-propylamine, N-	621-64-7	---	---	s	O	1.30E+02	9.35E-05	1.30E+00	---	5.45E-02	8.17E-06	9.89E+03	4.00E-01	1.35E+00
y	Nitrosodiphenylamine, N-	86-30-6	---	---	s	O	1.98E+02	2.08E-04	2.52E+00	---	3.12E-02	6.35E-06	3.51E+01	9.88E-02	3.16E+00
y	Nitroso-methyl-ethyl-amine, N-	10595-95-6	---	---	---	O	8.81E+01	3.70E-05	1.32E+00	---	8.00E-02	8.00E-06	3.00E+05	2.28E+00	-1.48E-01
N	Nitrosomorpholine, N-	59-89-2	---	---	s	O	1.16E+02	3.99E-08	-1.37E+00	---	7.41E-02	9.22E-06	4.71E+06	2.96E-02	-1.39E+00
y	Nitroso-N-ethylurea, N-	759-73-9	---	---	s	O	1.17E+02	1.05E-04	1.51E+00	---	8.08E-02	8.25E-06	4.85E+04	7.97E-01	-2.47E-02
N	Nitrosopiperidine, N-	100-75-4	---	---	l	O	1.14E+02	1.30E-05	7.28E-01	---	6.90E-02	8.57E-06	4.91E+04	1.00E-01	7.40E-01
y	Nitrosopyrrolidine, N-	930-55-2	---	---	l	O	1.00E+02	7.48E-07	-1.87E-01	---	8.00E-02	8.00E-06	7.80E+05	1.75E-01	2.31E-01
y	Nitrotoluene, m-	99-08-1	---	---	l	O	1.37E+02	2.24E-03	2.15E+00	---	6.42E-02	7.69E-06	4.98E+02	1.50E-01	2.36E+00
y	Nitrotoluene, o-	88-72-2	---	---	l	O	1.37E+02	1.87E-03	2.15E+00	---	6.47E-02	7.73E-06	6.00E+02	1.50E-01	2.36E+00
y	Nitrotoluene, p-	99-99-0	---	---	s	O	1.37E+02	2.29E-03	2.15E+00	---	6.40E-02	7.70E-06	4.00E+02	1.20E-01	2.36E+00
N	Nonachlor, cis-	5103-73-1	---	---	s	O	4.10E+02	2.02E-03	5.08E+00	---	1.18E-02	4.37E-06	5.60E-02	1.00E-05	6.60E+00
N	Nonachlor, trans-	39765-80-5	---	---	s	O	4.10E+02	2.02E-03	5.08E+00	---	1.18E-02	4.37E-06	5.60E-02	1.00E-05	6.60E+00
N	Nonanal	124-19-6	---	---	l	O	1.42E+02	2.34E-02	2.85E+00	---	5.29E-02	6.29E-06	1.24E+02	3.71E-01	3.50E+00
N	Nonylphenol	-3/ 84852-15-3,	---	---	l	OA	2.20E+02	6.96E-05	6.48E+00	---	3.93E-02	5.27E-06	7.23E-01	4.14E-06	6.48E+00
y	Octamethylpyrophosphoramide	152-16-9	---	---	l	O	2.86E+02	1.16E-08	-5.09E-01	---	8.00E-02	8.00E-06	1.00E+06	9.88E-04	-1.01E+00
N	Octanone	106-68-3	---	---	l	O	1.28E+02	6.35E-03	2.15E+00	---	5.78E-02	6.67E-06	1.65E+03	1.50E+00	2.61E+00
y	Oxamyl	23135-22-0	---	---	s	O	2.19E+02	1.60E-11	6.99E-01	---	5.57E-02	5.75E-06	2.80E+05	3.83E-07	-1.20E+00
N	Oxychlordane	27304-13-8	---	---	s	O	4.10E+02	2.02E-03	5.08E+00	---	1.18E-02	4.37E-06	5.60E-02	1.00E-05	6.60E+00
N	Paraquat	1910-42-5	---	---	s	OB	2.57E+02	2.91E-11	-4.81E+00	---	3.74E-02	3.57E-06	7.00E+05	1.45E-06	-4.50E+00
y	Parathion (ethyl parathion)	56-38-2	---	---	s	O	2.91E+02	2.37E-05	3.75E+00	---	1.70E-02	5.80E-06	1.18E+01	1.73E-05	3.73E+00
y	Pebulate	1114-71-2	---	---	l	O	2.03E+02	9.85E-04	2.63E+00	---	5.10E-02	5.38E-06	9.20E+01	8.85E-03	3.51E+00
N	Pendimethalin	40487-42-1	---	---	s	O	2.81E+02	1.97E-05	5.28E+00	---	3.81E-02	5.26E-06	5.69E-01	7.31E-07	5.37E+00
y	Pentachlorobenzene	608-93-5	---	---	s	O	2.50E+02	3.16E-02	4.50E+00	---	6.70E-02	6.30E-06	6.50E-01	1.67E-03	5.22E+00
N	Pentachloroethane	76-01-7	---	---	l	O	2.02E+02	2.15E-02	2.28E+00	---	6.37E-02	7.88E-06	6.19E+02	1.20E+00	2.78E+00
y	Pentachloronitrobenzene	82-68-8	---	---	s	O	2.95E+02	2.57E-02	4.11E+00	---	1.59E-02	6.10E-06	7.11E-02	1.13E-04	5.03E+00
y	Pentachlorophenol	87-86-5	---	---	s	OA	2.66E+02	1.16E-05	2.61E+00	---	5.60E-02	6.10E-06	1.40E+01	1.70E-05	4.74E+00
N	Pentadiene, 1,3-trans-	2004-70-8	---	---	l	O	6.81E+01	1.31E+00	1.95E+00	---	8.75E-02	8.74E-06	8.94E+02	3.15E+02	2.37E+00
N	Pentaerythritol tetranitrate (PETN)	78-11-5	---	---	s	O	3.16E+02	5.60E-05	3.80E+00	---	4.48E-02	6.20E-06	2.66E+01	8.63E-05	3.86E+00
N	Pentane	109-66-0	---	---	l	O	7.22E+01	4.50E+01	3.48E+00	---	8.26E-01	8.07E-06	4.06E+01	4.62E+02	3.54E+00
N	Pentanediol, 1,5-	111-29-5	---	---	l	O	1.04E+02	2.51E-08	1.47E-01	---	7.14E-02	8.57E-06	7.44E+04	3.27E-04	1.49E-01
N	Pentanone, 2-	107-87-9	---	---	l	O	8.61E+01	2.54E-03	9.31E-01	---	7.78E-02	8.46E-06	5.40E+04	2.91E+01	1.08E+00
N	Pentyne, 1-	627-19-0	---	---	l	O	6.81E+01	1.35E+00	1.92E+00	---	8.92E-02	8.84E-06	8.34E+02	3.03E+02	2.32E+00
N	Perchlorate	14797-73-0	---	---	s	I	9.95E+01	0.00E+00	---	-5.00E-01	---	---	---	0.00E+00	0.00E+00
N	Perylene	198-55-0	---	---	s	O	2.52E+02	3.50E-13	6.59E+00	---	4.06E-02	5.49E-06	1.31E-04	1.11E-10	6.70E+00
N	Phenacetin	62-44-2	---	---	s	O	1.79E+02	8.80E-09	1.43E+00	---	5.04E-02	6.65E-06	3.60E+02	3.30E-07	1.45E+00
y	Phenanthrene	85-01-8	---	---	s	O	1.78E+02	5.40E-03	4.15E+00	---	3.33E-02	7.47E-06	9.94E-01	6.80E-04	4.35E+00
N	Phenanthridine	229-87-8	---	---	s	O	1.79E+02	1.83E-06	3.24E+00	---	5.46E-02	7.19E-06	2.50E+01	4.30E-06	3.30E+00
y	Phenol	108-95-2	---	---	s	O	9.41E+01	2.47E-05	1.24E+00	---	8.20E-02	9.10E-06	8.70E+04	4.63E-01	1.51E+00
y	Phenylene diamine, m-	108-45-2	---	---	s	O	1.08E+02	9.56E-07	4.14E-02	---	6.63E-02	9.90E-06	3.51E+05	2.28E-02	-3.91E-01
y	Phenylene diamine, p-	106-50-3	---	---	s	O	1.08E+02	5.24E-08	4.14E-02	---	7.15E-02	8.92E-06	3.80E+04	4.60E-03	-3.91E-01
y	Phenyl mercuric acetate	62-38-4	---	---	s	O	3.37E+02	3.41E-09	2.20E+00	---	8.00E-02	8.00E-06	4.37E+03	3.04E-06	8.90E-01
y	Phorate	298-02-2	---	---	l	O	2.60E+02	4.99E-04	3.74E+00	---	8.00E-02	8.00E-06	4.40E+01	1.30E-03	3.37E+00
N	Phosalone	2310-17-0	---	---	s	O	3.68E+02	1.95E-05	3.06E+00	---	3.80E-02	4.97E-06	7.77E+01	7.53E-05	3.15E+00
N	Phosdrin (mevinphos)	7786-34-7	---	---	l	O	2.24E+02	3.28E-09	-9.00E-01	---	4.72E-02	6.06E-06	1.24E+07	1.81E-02	-7.00E-01

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/ (µg/g soil))	Brbg.inorg ((µg/g DW)/ ((µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
N	Phosmet	732-11-6	---	---	s	O	3.17E+02	8.02E-08	2.21E+00	---	4.07E-02	5.37E-06	3.70E+03	1.71E-05	1.53E+00
y	Phosphine	7803-51-2	---	---	g	I	3.40E+01	1.46E+02	---	---	3.81E-01	1.82E-05	4.00E+02	3.14E+04	-2.71E-01
N	Phosphorus, total*	7723-14-0	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Phosphorus, white	7723-14-0	---	---	s	I	1.24E+02	5.65E-02	3.05E+00	---	---	---	3.00E+00	2.50E-02	3.08E+00
y	Phthalic anhydride	85-44-9	---	---	s	O	1.48E+02	2.54E-07	1.90E+00	---	6.36E-02	7.90E-06	6.20E+03	2.00E-04	2.07E+00
N	Picloram	1918-02-1	---	---	s	O	2.41E+02	1.01E-07	-6.00E-02	---	5.50E-02	7.27E-06	2.82E+02	2.15E-06	2.94E+00
N	Picoline, 2- (2-methylpyridine)	109-06-8	---	---	l	O	9.31E+01	6.21E-04	1.20E+00	---	7.77E-02	8.86E-06	6.14E+04	7.48E+00	1.28E+00
y	Polybrominated biphenyls (PBBs)	67774-32-7	---	---	s	O	6.28E+02	1.62E-04	3.33E+00	---	---	4.63E-06	1.10E-02	5.20E-08	6.39E+00
y	Polychlorinated biphenyls (PCBs)	1336-36-3	---	---	l	O	2.90E+02	1.75E-02	5.72E+00	---	1.04E-01	1.00E-05	5.55E-02	7.60E-05	6.30E+00
N	Potassium*	7440-09-7	---	---	---	---	---	---	---	---	---	---	---	---	---
N	Primene	68955-53-3	---	---	l	O	1.71E+02	3.24E-03	3.96E+00	---	4.60E-02	1.08E-03	9.56E+01	3.30E-02	4.03E+00
N	Prometon (pramitol)	1610-18-0	---	---	s	O	2.25E+02	7.32E-07	2.78E+00	---	4.25E-02	5.54E-06	5.76E+01	3.43E-06	2.88E+00
y	Pronamide	23950-58-5	---	---	s	O	2.56E+02	3.74E-04	2.30E+00	---	8.00E-02	8.00E-06	1.50E+01	4.00E-04	3.57E+00
N	Propanal (propionaldehyde)	123-38-6	---	---	l	O	5.81E+01	4.40E-03	3.40E-01	---	1.04E-01	1.07E-05	1.09E+05	1.51E+02	3.30E-01
N	Propanil	709-98-8	---	---	s	OA	2.18E+02	8.47E-08	2.96E+00	---	4.93E-02	6.59E-06	1.27E+02	8.99E-07	2.97E+00
N	Propanoic acid (propionic acid)	79-09-4	---	---	l	OA	7.41E+01	1.54E-05	-2.79E+00	---	9.01E-02	1.04E-05	1.92E+05	2.90E+00	4.95E-01
N	Propanol, 1-	71-23-8	---	---	l	O	6.01E+01	4.66E-04	5.70E-01	---	9.75E-02	1.05E-05	1.21E+05	1.71E+01	6.21E-01
y	Propargite	2312-35-8	---	---	l	O	3.50E+02	1.44E-06	3.75E+00	---	3.94E-02	4.20E-06	5.00E-01	4.48E-08	3.73E+00
y	Propargyl alcohol	107-19-7	---	---	l	O	5.61E+01	1.34E-05	7.31E-01	---	1.04E-01	1.24E-05	5.57E+06	1.20E+01	-4.22E-01
N	Propazine	139-40-2	---	---	s	O	2.30E+02	2.15E-06	3.04E+00	---	4.40E-02	5.69E-06	7.23E+00	1.23E-06	3.25E+00
y	Propham	122-42-9	---	---	s	O	1.79E+02	5.30E-06	1.71E+00	---	5.71E-02	6.28E-06	2.50E+02	1.35E-04	2.66E+00
N	Propionitrile (propane nitrile)	107-12-0	---	---	l	O	5.51E+01	1.02E-03	2.15E-01	---	1.02E-01	1.72E-05	9.73E+04	3.28E+01	1.73E-01
N	Propyl acetate, n-	109-60-4	---	---	l	O	1.02E+02	8.89E-03	1.07E+00	---	7.36E-02	8.09E-06	1.84E+04	2.93E+01	1.26E+00
N	Propylbenzene, n-	103-65-1	---	---	l	O	1.20E+02	4.24E-01	3.03E+00	---	6.22E-02	7.21E-06	4.20E+01	2.71E+00	3.73E+00
N	Propylene glycol	57-55-6	---	---	---	O	7.61E+01	2.06E-07	-5.67E-01	---	1.06E-01	1.23E-05	1.00E+05	2.05E-02	-9.21E-01
N	Propylene glycol monomethyl ether	107-98-2	---	---	--	O	9.01E+01	1.40E-05	-1.89E-01	---	9.45E-02	1.09E-05	1.00E+05	1.18E+01	-4.37E-01
y	Propylene oxide	75-56-9	---	---	l	O	5.81E+01	3.47E-03	1.02E-01	---	1.04E-01	1.16E-05	4.76E+05	5.32E+02	3.00E-02
N	Propylene tetramer	6842-15-5	---	---	l	O	1.60E+02	1.20E+02	5.40E+00	---	1.00E-01	1.00E-05	3.40E-02	4.79E-01	---
y	Pyrene	129-00-0	---	---	s	O	2.02E+02	4.57E-04	4.58E+00	---	2.72E-02	7.24E-06	1.35E-01	4.25E-06	4.93E+00
y	Pyridine	110-86-1	---	---	l	O	7.91E+01	2.91E-01	6.43E-01	---	9.10E-02	7.60E-06	3.00E+02	2.00E+01	8.05E-01
y	Quinoline	91-22-5	---	---	l	O	1.29E+02	1.15E-04	2.76E+00	---	5.46E-02	8.31E-06	6.78E+03	9.60E-02	2.14E+00
N	Rotenel	299-84-3	---	---	s	O	3.22E+02	1.32E-03	3.93E+00	---	4.62E-02	5.54E-06	2.28E+00	1.01E-04	4.86E+00
N	Safrole	94-59-7	---	---	l	O	1.62E+02	3.09E-03	2.97E+00	---	5.60E-02	7.01E-06	1.37E+02	4.77E-02	3.02E+00
y	Selenium	7782-49-2	1.50E-02	2.20E-02	s	M	7.90E+01	0.00E+00	---	3.42E-01	---	---	0.00E+00	0.00E+00	2.39E-01
y	Selenourea	630-10-4	---	---	---	O	1.19E+02	---	---	---	---	---	---	---	-2.63E+00
y	Silver	7440-22-4	1.70E-01	1.00E-01	s	M	1.08E+02	0.00E+00	---	-1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
N	Simazine	122-34-9	---	---	s	O	2.02E+02	2.48E-07	2.47E+00	---	4.90E-02	6.37E-06	4.06E+01	9.10E-07	2.64E+00
N	Sodium*	7440-23-5	---	---	---	---	---	---	---	---	---	---	---	---	---
y	Sodium diethyldithiocarbamate	148-18-5	---	---	s	O	1.71E+02	---	---	---	---	---	---	---	2.69E-01
N	Sodium polyacrylate	9003-04-7	---	---	l	O	7.21E+01	1.32E-05	5.43E-02	---	9.08E-02	1.06E-05	1.00E+06	3.72E+00	4.42E-01
N	Strontium	7440-24-6	?	?	s	M	8.76E+01	0.00E+00	---	3.01E-01	0.00E+00	0.00E+00	---	0.00E+00	0.00E+00
y	Strychnine	57-24-9	---	---	s	O	3.34E+02	6.65E-12	1.90E+00	---	8.00E-02	8.00E-06	1.43E+02	1.67E-10	1.85E+00
y	Styrene	100-42-5	---	---	l	O	1.04E+02	1.14E-01	2.88E+00	---	7.10E-02	8.00E-06	3.10E+02	6.24E+00	2.90E+00
N	Sulfate*	14808-79-8	---	---	---	---	---	---	---	---	---	---	---	---	---
N	Sulfide*	18496-25-8	---	---	---	---	---	---	---	---	---	---	---	---	---
N	Sulfolane	126-33-0	---	---	s	O	1.20E+02	4.82E-07	-7.89E-01	---	6.98E-01	9.30E-06	8.37E+03	6.15E-04	-8.03E-01
N	Sulfur*	7704-34-9	---	---	---	---	---	---	---	---	---	---	---	---	---
y	TCDD, 2,3,7,8- (dioxin)	1746-01-6	---	---	s	O	3.22E+02	1.47E-03	7.15E+00	---	4.70E-02	8.00E-06	1.93E-05	7.40E-10	7.02E+00
N	Tebuconazole	107534-96-3	---	---	s	O	307.8	5.94E-09	3.01E+00	---	4.25E-02	4.17E-06	3.60E+01	1.28E-08	3.70E+00
N	Tebuthiuron	34014-18-1	---	---	s	O	228.31	4.99E-11	1.50E+00	---	5.62E-02	5.85E-06	2.50E+03	2.03E-05	1.79E+00
N	Terbufos	13071-79-9	---	---	l	O	2.88E+02	6.83E-02	4.14E+00	---	4.18E-02	5.08E-06	6.84E+00	2.96E-02	4.20E+00
N	Tert-amyl-methyl ether (TAME)	994-05-8	---	---	l	O	1.02E+02	1.30E-01	1.62E+00	---	6.99E-02	7.37E-06	4.29E+03	9.97E+01	1.95E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/(µg/g soil))	Brbg.inorg ((µg/g DW)/(µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
N	Tert-butyl alcohol (2-methyl-2-propanol)	75-65-0	---	---	s	O	7.41E+01	3.00E-03	6.25E-01	---	8.52E-02	9.11E-06	2.35E+05	3.14E+01	6.90E-01
N	Tetrachlorobenzene, 1,2,3,4-	634-66-2	---	---	s	O	2.16E+02	3.02E-02	4.61E+00	---	5.72E-02	7.31E-06	6.43E+00	1.64E-02	4.69E+00
N	Tetrachlorobenzene, 1,2,3,5-	634-90-2	---	---	s	O	2.16E+02	2.41E-02	3.80E+00	---	5.75E-02	7.31E-06	5.18E+00	1.06E-02	4.70E+00
y	Tetrachlorobenzene, 1,2,4,5-	95-94-3	---	---	s	O	2.16E+02	4.99E-02	3.20E+00	---	2.11E-02	8.80E-06	3.00E-01	5.40E-03	4.57E+00
y	Tetrachloroethane, 1,1,1,2-	630-20-6	---	---	s	O	1.68E+02	9.98E-02	2.98E+00	---	7.10E-02	7.90E-06	1.10E+03	1.22E+01	2.93E+00
y	Tetrachloroethane, 1,1,2,2-	79-34-5	---	---	l	O	1.68E+02	1.55E-02	1.89E+00	---	7.10E-02	7.90E-06	2.97E+03	5.17E+00	2.19E+00
y	Tetrachloroethylene (perchlorethylene)	127-18-4	---	---	l	O	1.66E+02	7.65E-01	2.19E+00	---	7.20E-02	8.20E-06	2.00E+02	1.84E+01	2.97E+00
N	Tetrachlorophenol, 2,3,4,5-	4901-51-3	---	---	s	OA	2.32E+02	1.98E-06	2.66E+00	---	5.65E-02	7.32E-06	2.96E+02	4.62E-05	4.41E+00
y	Tetrachlorophenol, 2,3,4,6-	58-90-2	---	---	s	OA	2.32E+02	2.54E-04	2.02E+00	---	2.17E-02	7.10E-06	1.00E+02	5.02E-03	4.09E+00
N	Tetrachlorophenol, 2,3,5,6-	935-95-5	---	---	s	O	2.32E+02	5.82E-03	1.40E+00	---	5.60E-02	7.29E-06	2.03E+00	9.20E-04	4.51E+00
N	Tetradifon	116-29-0	---	---	s	O	3.56E+02	7.32E-09	3.65E+00	---	4.14E-02	5.80E-06	7.02E-01	2.64E-10	4.17E+00
y	Tetraethyl dithiopyrophosphate (sulfotep)	3689-24-5	---	---	l	O	3.22E+02	1.75E-04	2.87E+00	---	1.50E-02	5.50E-06	2.50E+01	1.70E-04	3.98E+00
y	Tetraethyl lead	78-00-2	---	---	l	O	3.23E+02	3.31E+00	3.69E+00	---	1.32E-02	6.40E-06	8.00E-01	1.50E-01	4.88E+00
N	Tetrahydrofuran	109-99-9	---	---	l	O	7.21E+01	5.75E-03	5.73E-01	---	9.36E-02	9.88E-06	1.09E+05	1.59E+02	6.25E-01
N	Tetrahydropyran	142-68-7	---	---	l	O	8.61E+01	5.53E-03	9.19E-01	---	8.14E-02	8.95E-06	3.40E+04	3.99E+01	1.06E+00
y	Thallium and compounds (as thallium chloride)	7791-12-0	1.00E-03	4.00E-04	s	M	2.40E+02	0.00E+00	---	1.64E+00	---	---	2.90E+03	0.00E+00	---
y	Thiofanox	39196-18-4	---	---	s	O	2.18E+02	3.90E-07	1.77E+00	---	2.55E-02	6.62E-06	5.20E+03	3.10E-04	2.16E+00
N	Thionazin	297-97-2	---	---	l	O	2.48E+02	1.62E-05	2.06E+00	---	4.67E-02	5.81E-06	2.10E+02	2.51E-04	2.09E+00
y	Thiophanate-methyl	23564-05-8	---	---	s	O	3.42E+02	3.82E-07	9.54E-01	---	4.55E-02	4.68E-06	3.50E+00	7.50E-08	1.50E+00
y	Thiram	137-26-8	---	---	s	O	2.40E+02	3.28E-06	2.83E+00	---	2.25E-02	6.24E-06	3.00E+01	7.50E-06	1.70E+00
y	Tin	7440-31-5	1.00E-02	6.00E-03	s	M	1.19E+02	0.00E+00	---	2.10E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+00
N	Titanium	7440-32-6	3.70E-03	3.00E-03	s	M	4.79E+01	0.00E+00	---	---	---	---	0.00E+00	---	---
y	Toluene	108-88-3	---	---	l	O	9.21E+01	2.76E-01	2.15E+00	---	8.70E-02	8.60E-06	5.30E+02	2.82E+01	2.54E+00
y	Toluenediamine, 2,4-	95-80-7	---	---	s	O	1.22E+02	7.48E-08	3.11E+00	---	8.00E-02	8.00E-06	7.47E+03	8.36E-05	1.56E-01
y	Toluenediamine, 2,6-	823-40-5	---	---	s	O	1.22E+02	5.15E-10	1.60E-01	---	6.87E-02	7.97E-06	4.80E+04	1.98E-05	1.56E-01
y	Toluene diisocyanate, 2,4/2,6-	26471-62-5	---	---	l	O	1.74E+02	6.86E-06	3.35E+00	---	6.09E-02	6.80E-06	1.11E+05	8.00E-02	3.74E+00
N	Toluidine, o-	95-53-4	---	---	l	OB	1.07E+02	1.57E-04	2.31E+00	---	7.01E-02	8.43E-06	1.06E+04	2.84E-01	1.61E+00
y	Toluidine, p-	106-49-0	---	---	s	O	1.07E+02	3.82E-04	1.40E+00	---	8.00E-02	8.00E-06	7.20E+03	3.30E-01	1.62E+00
y	Toxaphene	8001-35-2	---	---	s	O	4.14E+02	1.40E-04	4.98E+00	---	1.16E-02	4.34E-06	7.40E-01	4.19E-06	6.79E+00
y	TP Silvex, 2,4,5-	93-72-1	---	---	s	O	2.70E+02	5.45E-07	3.41E+00	---	1.94E-02	5.80E-06	1.40E+02	5.20E-06	3.68E+00
N	Triademenol	55219-65-3	---	---	s	O	295.8	5.32E-11	2.37E+00	---	4.55E-02	4.53E-06	9.50E+01	3.08E-10	2.90E+00
y	Triallate	2303-17-5	---	---	s	O	3.05E+02	4.53E-04	3.16E+00	---	4.58E-02	4.84E-06	4.00E+00	1.20E-04	4.57E+00
N	Triaminotrinitrobenzene (TATB)	3058-38-6	---	---	s	O	2.58E+02	5.80E-12	6.88E-01	---	5.02E-02	6.84E-06	3.20E+01	1.34E-11	7.00E-01
y	Tributyltin oxide	56-35-9	---	---	l	O	5.96E+02	2.08E-03	---	---	---	---	1.80E+01	6.91E-05	5.80E+00
N	Trichlorobenzene, 1,2,3-	87-61-6	---	---	l	O	1.81E+02	3.80E-02	3.95E+00	---	6.20E-02	7.71E-06	1.64E+01	6.30E-02	4.02E+00
y	Trichlorobenzene, 1,2,4-	120-82-1	---	---	l	O	1.81E+02	5.90E-02	3.22E+00	---	3.00E-02	8.23E-06	4.88E+01	3.36E-01	3.93E+00
N	Trichlorobenzene, 1,3,5-	108-70-3	---	---	s	O	1.81E+02	6.03E-02	3.40E+00	---	6.25E-02	7.66E-06	1.82E+01	1.11E-01	4.19E+00
y	Trichloroethane, 1,1,1-	71-55-6	---	---	l	O	1.33E+02	7.15E-01	2.04E+00	---	7.80E-02	8.80E-06	1.33E+03	1.24E+02	2.68E+00
y	Trichloroethane, 1,1,2-	79-00-5	---	---	l	O	1.33E+02	3.80E-02	1.70E+00	---	7.92E-02	8.80E-06	4.42E+03	2.52E+01	2.01E+00
y	Trichloroethylene	79-01-6	---	---	l	O	1.31E+02	4.28E-01	1.97E+00	---	7.90E-02	9.10E-06	1.10E+03	7.20E+01	2.47E+00
y	Trichlorofluoromethane	75-69-4	---	---	l	O	1.37E+02	4.03E+00	2.13E+00	---	8.70E-02	9.70E-06	1.10E+03	6.87E+02	2.13E+00
N	Trichloronate	327-98-0	---	---	l	O	3.34E+02	4.82E-04	4.62E+00	---	4.27E-02	5.18E-06	8.13E-01	4.48E-05	5.74E+00
N	Trichlorophenol, 2,3,4-	15950-66-0	---	---	s	OA	1.97E+02	4.60E-06	2.75E+00	---	6.10E-02	7.73E-06	1.55E+03	6.60E-04	3.88E+00
N	Trichlorophenol, 2,3,5-	933-78-8	---	---	s	OA	1.97E+02	3.95E-06	2.37E+00	---	6.10E-02	7.71E-06	3.74E+03	1.37E-03	3.75E+00
N	Trichlorophenol, 2,3,6-	933-75-5	---	---	s	OA	1.97E+02	8.78E-03	2.39E+00	---	6.08E-02	7.70E-06	2.78E+01	2.26E-02	4.66E+00
y	Trichlorophenol, 2,4,5-	95-95-4	---	---	s	OA	1.97E+02	1.78E-04	2.47E+00	---	2.91E-02	7.03E-06	1.20E+03	1.63E-02	3.45E+00
y	Trichlorophenol, 2,4,6-	88-06-2	---	---	s	OA	1.97E+02	3.19E-04	2.12E+00	---	3.18E-02	6.25E-06	9.82E+02	1.18E-02	3.45E+00
N	Trichlorophenol, 3,4,5-	609-19-8	---	---	s	OA	1.97E+02	1.15E-06	3.52E+00	---	6.00E-02	7.73E-06	1.52E+03	1.61E-04	3.91E+00
y	Trichlorophenoxyacetic acid, 2,4,5-	93-76-5	---	---	s	O	2.55E+02	3.62E-07	1.72E+00	---	8.00E-02	8.00E-06	2.78E+02	3.61E-06	3.26E+00
y	Trichloropropane, 1,1,2-	598-77-6	---	---	l	O	1.47E+02	1.21E+00	2.24E+00	---	3.96E-02	9.30E-06	4.44E+01	6.64E+00	2.43E+00
y	Trichloropropane, 1,2,3-	96-18-4	---	---	l	O	1.47E+02	1.58E-02	2.59E+00	---	7.10E-02	7.90E-06	1.90E+03	3.70E+00	2.50E+00
y	Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	---	---	l	O	1.87E+02	2.20E+01	3.11E+00	---	7.80E-02	8.20E-06	2.00E+02	3.60E+02	3.09E+00

In TRRP rule chem/phys table?[1]	Chemical of Concern	CAS #	Brabg.inorg ((µg/g DW)/(µg/g soil))	Brbg.inorg ((µg/g DW)/(µg/g soil))	Physical State	Type	MW (g/mole)	H_unitless (unitless)	LogKoc (unitless)	LogKd (unitless)	Dair (cm^2/s)	Dwat (cm^2/s)	Solubility (mg/l)	Vapor_P (mm Hg)	logKow (unitless)
N	Triethanolamine	102-71-6	---	---	s	O	1.49E+02	3.50E-13	-2.93E+00	---	5.33E-02	7.54E-06	miscible	2.90E-06	-2.98E+00
y	Triethylamine	121-44-8	---	---	l	O	1.01E+02	1.99E-02	1.12E+00	---	7.54E-02	7.51E-06	1.50E+04	5.00E+01	1.51E+00
N	Triethylene glycol	112-27-6	---	---	l	O	1.50E+02	8.96E-11	-1.16E+00	---	5.65E-02	7.38E-06	2.11E+06	2.31E-05	-1.18E+00
N	Triethylphosphorothioate, O, O, O-	126-68-1	---	---	l	O	1.98E+02	2.08E-02	2.69E+00	---	5.26E-02	6.24E-06	8.45E+02	7.30E-01	2.64E+00
y	Trifluralin	1582-09-8	---	---	s	O	3.35E+02	2.01E-03	4.14E+00	---	1.49E-02	4.70E-06	6.00E-01	1.10E-04	5.31E+00
N	Trimethylamine	75-50-3	---	---	g	OB	5.91E+01	4.14E-03	1.24E+00	---	9.58E-02	9.13E-06	5.50E+05	9.36E+01	2.47E-01
y	Trimethylbenzene, 1,2,3-	526-73-8	---	---	l	O	1.20E+02	1.33E-01	2.77E+00	---	6.77E-02	7.41E-06	7.52E+01	1.49E+00	3.55E+00
N	Trimethylbenzene, 1,2,4-	95-63-6	---	---	l	O	1.20E+02	1.84E-01	2.97E+00	---	6.22E-02	7.28E-06	5.68E+01	1.59E+00	3.65E+00
N	Trimethylbenzene, 1,3,5-	108-67-8	---	---	l	O	1.20E+02	2.72E-01	3.01E+00	---	6.21E-02	7.23E-06	5.15E+01	2.13E+00	3.70E+00
y	Trinitrobenzene, 1,3,5-	99-35-4	---	---	s	O	2.13E+02	2.87E-06	1.15E+00	---	8.00E-02	8.00E-06	3.53E+02	9.90E-05	1.45E+00
y	Trinitrophenylmethylnitramine (tetryl, nitramine)	479-45-8	---	---	s	O	2.87E+02	8.31E-11	2.37E+00	---	5.69E-02	6.40E-06	7.50E+01	4.00E-10	2.04E+00
y	Trinitrotoluene, 2,4,6-	118-96-7	---	---	s	O	2.27E+02	1.90E-05	2.48E+00	---	5.41E-02	6.57E-06	1.30E+02	1.24E-04	1.99E+00
y	Uranium (soluble salts)	7440-61-1	5.00E-03	4.00E-03	s	M	2.38E+02	0.00E+00	---	3.47E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
N	Valeric acid (pentanoic acid)	109-52-4	---	---	l	O	1.02E+02	1.16E-05	-1.80E+00	---	6.92E-02	8.37E-06	2.20E+00	7.39E-02	1.53E+00
y	Vanadium	7440-62-2	3.60E-03	3.00E-03	s	M	5.09E+01	0.00E+00	---	3.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
y	Vernam	1929-77-7	---	---	l	O	2.03E+02	7.36E-04	3.44E+00	---	5.10E-02	5.39E-06	9.85E+01	1.04E-02	3.51E+00
y	Vinyl acetate	108-05-4	---	---	l	O	8.61E+01	2.29E-02	7.20E-01	---	8.50E-02	9.20E-06	2.00E+04	1.09E+02	7.28E-01
y	Vinyl chloride	75-01-4	---	---	g	O	6.25E+01	3.49E+00	1.04E+00	---	1.06E-01	1.23E-05	2.76E+03	2.80E+03	1.62E+00
N	Vinylcyclohexane	695-12-5	---	---	l	O	1.10E+02	3.57E+00	3.42E+00	---	6.49E-02	7.33E-06	1.08E+01	6.40E+00	4.22E+00
y	Warfarin	81-81-2	---	---	s	O	3.08E+02	1.15E-07	2.96E+00	---	1.63E-02	4.40E-06	1.70E+01	1.16E-07	3.20E+00
y	Xylene, m-	108-38-3	---	---	l	O	1.06E+02	3.05E-01	2.29E+00	---	7.00E-02	7.80E-06	1.60E+02	8.00E+00	3.20E+00
y	Xylene, o-	95-47-6	---	---	l	O	1.06E+02	7.36E-04	2.11E+00	---	8.70E-02	1.00E-05	1.78E+02	6.75E+00	3.13E+00
y	Xylene, p-	106-42-3	---	---	l	O	1.06E+02	3.18E-01	2.49E+00	---	7.69E-02	8.44E-06	1.85E+02	8.76E+00	3.17E+00
y	Xylenes	1330-20-7	---	---	l	O	1.06E+02	2.93E-01	2.38E+00	---	7.40E-02	8.50E-06	1.98E+02	8.06E+00	3.09E+00
y	Zinc	7440-66-6	9.00E-02	4.40E-02	s	M	6.54E+01	0.00E+00	---	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	-4.71E-01
y	6 C aliphatics (TPH)	NA	---	---	l	O	8.10E+01	3.30E+01	2.90E+00	---	1.00E-01	1.00E-05	3.60E+01	2.66E+02	---
y	>6-8 C aliphatics (TPH)	NA	---	---	l	O	1.00E+02	5.00E+01	3.60E+00	---	1.00E-01	1.00E-05	5.40E+00	4.79E+01	---
y	>8-10 C aliphatics (TPH)	NA	---	---	l	O	1.30E+02	8.00E+01	4.50E+00	---	1.00E-01	1.00E-05	4.30E-01	4.79E+00	---
y	>10-12 C aliphatics (TPH)	NA	---	---	l	O	1.60E+02	1.20E+02	5.40E+00	---	1.00E-01	1.00E-05	3.40E-02	4.79E-01	---
y	>12-16 C aliphatics (TPH)	NA	---	---	l	O	2.00E+02	5.20E+02	6.70E+00	---	1.00E-01	1.00E-05	7.60E-04	3.65E-02	---
y	>16-21 C aliphatics (TPH)	NA	---	---	l	O	2.70E+02	4.90E+03	8.80E+00	---	1.00E-01	1.00E-05	2.50E-06	8.40E-04	---
y	>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	NA	---	---	l	O	2.70E+02	4.90E+03	8.80E+00	---	1.00E-01	1.00E-05	2.50E-06	8.40E-04	---
y	>7-8 C aromatics (TPH)	NA	---	---	l	O	9.20E+01	2.76E-01	2.15E+00	---	8.70E-02	8.60E-06	5.30E+02	2.82E+01	---
y	>8-10 C aromatics (TPH)	NA	---	---	l	O	1.20E+02	4.80E-01	3.20E+00	---	1.00E-01	1.00E-05	6.50E+01	4.79E+00	---
y	>10-12 C aromatics (TPH)	NA	---	---	l	O	1.30E+02	1.40E-01	3.40E+00	---	1.00E-01	1.00E-05	2.50E+01	4.79E-01	---
y	>12-16 C aromatics (TPH)	NA	---	---	l	O	1.50E+02	5.30E-02	3.70E+00	---	1.00E-01	1.00E-05	5.80E+00	3.65E-02	---
y	>16-21 C aromatics (TPH)	NA	---	---	l	O	1.90E+02	1.30E-02	4.20E+00	---	1.00E-01	1.00E-05	6.50E-01	8.40E-04	---
y	>21-35 C aromatics (TPH)	NA	---	---	s	O	2.40E+02	6.70E-04	5.10E+00	---	1.00E-01	1.00E-05	6.60E-03	3.34E-07	---

Footnotes

[1]This column denotes,for informational purposes, whether the COC is listed in the TRRP rule chemical/physical properties table (Figure: 30 TAC §350.73(e)). These new chemical/physical properties should be used for calculating PCLs. If alternate chemical/physical properties are proposed, the person must provide complete reference citation(s) for the empirical data which support the proposal, and taking into account the thermodynamic activity of the chemical without respect to site-specific conditions, the person must provde the justification/rationale for the proposed values.

[2]Much higher PCLs may be obtained using a pH-dependent Kd based on site-specific information (see Figure:30 TAC §350.73(e)(1)(C)).

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table entitled "Compounds for which Calculation of a Human Health PCL is Not Required" available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm.

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Acenaphthene	8.90E-01	1.30E-01
Acenaphthylene	8.90E-01	1.30E-01
Acetaldehyde	8.00E-01	0.00E+00
Acetic acid*	---	---
Acetone (2-propanone)	8.30E-01	0.00E+00
Acetone cyanohydrin	5.00E-01	1.00E-01
Acetonitrile	8.00E-01	0.00E+00
Acetophenone	5.00E-01	1.00E-01
Acetylaminofluorene, 2-	5.00E-01	1.00E-01
Acifluorfen, sodium	5.00E-01	1.00E-01
Acridine	5.00E-01	1.00E-01
Acrolein	8.00E-01	0.00E+00
Acrylamide	5.00E-01	1.00E-01
Acrylic acid (propenoic acid)	8.00E-01	0.00E+00
Acrylonitrile	8.00E-01	0.00E+00
Adipic acid (hexanedioic acid)	5.00E-01	1.00E-01
Alachlor	5.00E-01	1.00E-01
Aldicarb	5.00E-01	1.00E-01
Aldicarb sulfone	5.00E-01	1.00E-01
Aldrin	5.00E-01	1.00E-01
Allyl alcohol	8.00E-01	0.00E+00
Allyl chloride	8.00E-01	0.00E+00
Aluminum	1.00E-01	1.00E-02
Ametryn	5.00E-01	1.00E-01
Aminobiphenyl, 4- (1,1-biphenyl-4-amine)	5.00E-01	1.00E-01
Amino-2,6-dinitrotoluene, 4-	5.00E-01	1.00E-01
Amino-4,6-dinitrotoluene, 2-	5.00E-01	1.00E-01
Aminopyridine, 4-	5.00E-01	1.00E-01
Ammonia	2.00E-01	1.00E-02
Ammonium polyphosphate*	---	---
Ammonium salts*	---	---
Aniline	5.00E-01	1.00E-01
Anthracene	8.90E-01	1.30E-01
Anthraquinone, 9,10-	5.00E-01	1.00E-01
Antimony	1.50E-01	1.00E-02
Aramite	5.00E-01	1.00E-01
Arsenic	9.50E-01	3.00E-02
Arsine	2.00E-01	1.00E-02
Asbestos	2.00E-01	1.00E-02
Atrazine	5.00E-01	1.00E-01
Azinphos-methyl (guthion)	5.00E-01	1.00E-01
Azobenzene	5.00E-01	1.00E-01
Barium	7.00E-02	1.00E-02
Bayleton	5.00E-01	1.00E-01
Benefin (benfluralin)	5.00E-01	1.00E-01
Benomyl	5.00E-01	1.00E-01
Benz-a-anthracene	8.90E-01	1.30E-01
Benzaldehyde	8.00E-01	0.00E+00
Benzene	9.70E-01	0.00E+00
Benzenethiol	8.00E-01	0.00E+00
Benzidine	8.00E-01	1.00E-01
Benzo-a-pyrene	8.90E-01	1.30E-01
Benzo-b-fluoranthene	8.90E-01	1.30E-01
Benzo-e-pyrene	8.90E-01	1.30E-01
Benzo-g,h,i-perylene	8.90E-01	1.30E-01
Benzoic acid	1.00E+00	1.00E-01
Benzo-k-fluoranthene	8.90E-01	1.30E-01
Benzotrichloride	5.00E-01	1.00E-01
Benzyl alcohol	6.60E-01	1.00E-01
Benzyl chloride	8.00E-01	0.00E+00
Benzyl dichloride	5.00E-01	1.00E-01
Beryllium	7.00E-03	1.00E-02
Biphenyl, 1,1-	5.00E-01	1.00E-01
Biquinoline, 2,2'-	5.00E-01	1.00E-01
Bis (2-chloroethoxy) methane	5.00E-01	1.00E-01
Bis (2-chloroethyl) ether	8.00E-01	0.00E+00
Bis (2-chloroisopropyl) ether	5.00E-01	1.00E-01
Bis (2-chloromethyl) ether	8.00E-01	0.00E+00
Bis (2-ethyl-hexyl) phthalate	1.90E-01	1.00E-01
Bismuth	2.00E-01	1.00E-02
Bisphenol A	5.00E-01	1.00E-01
Boron	9.00E-01	1.00E-02
Bromobenzene	8.00E-01	0.00E+00
Bromo-2-chloroethane, 1-	8.00E-01	0.00E+00
Bromodichloromethane	9.80E-01	0.00E+00
Bromoform	6.00E-01	0.00E+00
Bromomethane (methyl bromide)	8.00E-01	0.00E+00
Bromophenyl phenylether, 4-	5.00E-01	1.00E-01
Butadiene, 1,3-	8.00E-01	0.00E+00

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Butanal (butyraldehyde)	8.00E-01	0.00E+00
Butanoic acid (butyric acid)	5.00E-01	1.00E-01
Butanol, n-	8.00E-01	0.00E+00
Butoxy ethanol, 2- (Ethylene glycol monobutyl ether,	5.00E-01	1.00E-01
Butyl acetate	8.00E-01	0.00E+00
Butyl acrylate	8.00E-01	0.00E+00
Butyl benzyl phthalate	6.10E-01	1.00E-01
Butylate	5.00E-01	1.00E-01
Butylbenzene, n-	5.00E-01	1.00E-01
Butylbenzene, sec-	8.00E-01	0.00E+00
Butylbenzene, tert-	8.00E-01	0.00E+00
Butyl ether, n- (dibutyl ether)	8.00E-01	0.00E+00
Cacodylic acid	5.00E-01	1.00E-01
Cadmium	2.50E-02	1.00E-03
Calcium*	---	---
Caprolactam	5.00E-01	1.00E-01
Captan	5.00E-01	1.00E-01
Carbaryl	5.00E-01	1.00E-01
Carbazole	7.00E-01	1.00E-01
Carbofuran	5.00E-01	1.00E-01
Carbon disulfide	6.30E-01	0.00E+00
Carbon tetrachloride	6.50E-01	0.00E+00
Carbophenothion	5.00E-01	1.00E-01
Carbosulfan	5.00E-01	1.00E-01
Carboxin	5.00E-01	1.00E-01
Chloral	8.00E-01	0.00E+00
Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-)	5.00E-01	1.00E-01
Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid)	5.00E-01	1.00E-01
Chlordane (technical)	8.00E-01	4.00E-02
Chlordane, cis- (alpha chlordane)	5.00E-01	1.00E-01
Chlordane, gamma	5.00E-01	1.00E-01
Chlorfenvinphos	5.00E-01	1.00E-01
Chloride*	---	---
Chlorine	2.00E-01	1.00E-02
Chloroaniline, p-	5.00E-01	1.00E-01
Chlorobenzene	3.10E-01	0.00E+00
Chlorobenzilate	5.00E-01	1.00E-01
Chlorobromomethane (bromochloromethane)	8.00E-01	0.00E+00
Chloro-1,3-butadiene, 2-	8.00E-01	0.00E+00
Chlorodifluoromethane	8.00E-01	0.00E+00
Chloroethane (ethyl chloride)	8.00E-01	0.00E+00
Chloroethanol, 2-	8.00E-01	0.00E+00
Chloroethoxy ethene, 2- (2-chloroethylvinylether)	8.00E-01	0.00E+00
Chloroform	2.00E-01	0.00E+00
Chlorohexane, 1-	8.00E-01	0.00E+00
Chloromethane (methyl chloride)	8.00E-01	0.00E+00
Chloro-3-methylphenol, 4-	5.00E-01	1.00E-01
Chloronaphthalene, 1- (Chloronaphthalene, alpha-)	8.90E-01	1.30E-01
Chloronaphthalene, 2- (chloronaphthalene, beta)	8.90E-01	1.30E-01
Chloronitrobenzene, p- (1-chloro-4-nitrobenzene)	5.00E-01	1.00E-01
Chlorophenol, 2-	8.00E-01	0.00E+00
Chlorophenol, 3-	5.00E-01	1.00E-01
Chlorophenol, 4-	5.00E-01	1.00E-01
Chlorophenyl phenylether, 4-	5.00E-01	1.00E-01
Chloropropane, 2-	8.00E-01	0.00E+00
Chloro-2-propanol, 1-	8.00E-01	0.00E+00
Chlorothalonil	5.00E-01	1.00E-01
Chlorotoluene, o- (2-chlorotoluene)	5.00E-01	1.00E-01
Chlorotoluene, p- (4-chlorotoluene)	8.00E-01	0.00E+00
Chlorpyrifos	5.00E-01	1.00E-01
Chromium (III) (total chromium)	1.30E-02	1.00E-02
Chromium (VI)	2.50E-02	1.00E-02
Chrysene	8.90E-01	1.30E-01
Cobalt	8.00E-01	1.00E-02
Copolymer acrylamide	5.00E-01	1.00E-01
Copper	5.70E-01	1.00E-02
Coronene	5.00E-01	1.00E-01
Coumaphos	5.00E-01	1.00E-01
Cresol	5.00E-01	1.00E-01
Cresol, m- (3-methylphenol)	5.00E-01	1.00E-01
Cresol, o- (2-methylphenol)	5.00E-01	1.00E-01
Cresol, p- (4-methylphenol)	6.50E-01	1.00E-01
Crotonaldehyde	8.00E-01	0.00E+00
Cumene (isopropylbenzene)	8.00E-01	0.00E+00
Cyanazine	5.00E-01	1.00E-01
Cyanide	5.00E-01	1.00E-02
Cyanogen	8.00E-01	0.00E+00
Cycloate	5.00E-01	1.00E-01
Cyclohexane	8.00E-01	0.00E+00

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Cyclohexanol	5.00E-01	1.00E-01
Cyclohexanone	8.00E-01	0.00E+00
Cyclotetramethylenetetranitramine (HMX)	1.50E-01	1.00E-01
Cyclotrimethylenetrinitramine (RDX)	1.00E+00	1.00E-01
Cymene (isopropyltoluene)	8.00E-01	0.00E+00
Cymoxanil	5.00E-01	1.00E-01
Dacthal (DCPA)	5.00E-01	1.00E-01
Dalapon, sodium salt (2,2-dichloropropanoic acid)	5.00E-01	1.00E-01
DDD	7.00E-01	3.00E-02
DDE	7.00E-01	3.00E-02
DDT	7.00E-01	3.00E-02
Demeton	5.00E-01	1.00E-01
Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone)	5.00E-01	1.00E-01
Diallate	5.00E-01	1.00E-01
Diazinon	5.00E-01	1.00E-01
Dibenz-a,h-acridine	5.00E-01	1.00E-01
Dibenz-a,h-anthracene	8.90E-01	1.30E-01
Dibenz-a,j-acridine	8.90E-01	1.30E-01
Dibenzofuran	5.00E-01	1.00E-01
Dibenzothiophene	5.00E-01	1.00E-01
Dibromochloromethane (chlorodibromomethane)	6.00E-01	0.00E+00
Dibromo-3-chloropropane, 1,2-	5.00E-01	1.00E-01
Dibromofluoromethane	8.00E-01	0.00E+00
Dicamba	5.00E-01	1.00E-01
Dichlorobenzene, 1,2-	8.00E-01	0.00E+00
Dichlorobenzene, 1,3-	8.00E-01	0.00E+00
Dichlorobenzene, 1,4-	9.00E-01	0.00E+00
Dichlorobenzidine, 3,3-	5.00E-01	1.00E-01
Dichlorobutane, 2,3-	8.00E-01	0.00E+00
Dichloro-2-butene, 1,4-	8.00E-01	0.00E+00
Dichloro-2-butene, 1,4- trans	8.00E-01	0.00E+00
Dichlorodifluoromethane	2.30E-01	0.00E+00
Dichloroethane, 1,1-	1.00E+00	0.00E+00
Dichloroethane, 1,2-	1.00E+00	0.00E+00
Dichloroethylene, 1,1-	1.00E+00	0.00E+00
Dichloroethylene, cis-1,2-	1.00E+00	0.00E+00
Dichloroethylene, trans-1,2	1.00E+00	0.00E+00
Dichlorophenol, 2,3-	5.00E-01	1.00E-01
Dichlorophenol, 2,4-	8.20E-01	1.00E-01
Dichlorophenol, 2,5-	5.00E-01	1.00E-01
Dichlorophenol, 2,6-	5.00E-01	1.00E-01
Dichlorophenol, 3,4-	5.00E-01	1.00E-01
Dichlorophenol, 3,5-	5.00E-01	1.00E-01
Dichlorophenoxyacetic acid, 2,4- (2,4-D)	9.00E-01	5.00E-02
Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB)	5.00E-01	1.00E-01
Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid)	5.00E-01	1.00E-01
Dichloropropane, 1,2-	7.40E-01	0.00E+00
Dichloropropane, 1,3-	8.00E-01	0.00E+00
Dichloropropane, 2,2-	8.00E-01	0.00E+00
Dichloropropanol, 2,3-	5.00E-01	1.00E-01
Dichloropropene, 1,1-	8.00E-01	0.00E+00
Dichloropropene, 1,3- (mixed isomers)	5.50E-01	0.00E+00
Dichloropropene, cis 1,3-	8.00E-01	0.00E+00
Dichloropropene, trans 1,3-	8.00E-01	0.00E+00
Dichlorvos	5.00E-01	1.00E-01
Dicrotophos (bidrin)	5.00E-01	1.00E-01
Dicyclopentadiene	8.00E-01	0.00E+00
Dieldrin	5.00E-01	1.00E-01
Diethanolamine	5.00E-01	1.00E-01
Diethyl phthalate	9.00E-01	1.00E-01
Diethylene glycol	5.00E-01	1.00E-01
Diethylene glycol monobutyl ether	5.00E-01	1.00E-01
Diethylhexyl adipate	5.00E-01	1.00E-01
Diethylstilbestrol	5.00E-01	1.00E-01
Diisobutylene (trimethyl-1-pentene, 2,4,4-)	8.00E-01	0.00E+00
Diisopropyl ether (2,2'-oxybis-propane)	8.00E-01	0.00E+00
Dimethenamid	5.00E-01	1.00E-01
Dimethoate	5.00E-01	1.00E-01
Dimethoxybenzidine, 3,3'-	5.00E-01	1.00E-01
Dimethylaminoazobenzene, p-	5.00E-01	1.00E-01
Dimethylbenz-a-anthracene, 7,12-	8.90E-01	1.30E-01
Dimethylbenzidine, 3,3'-	5.00E-01	1.00E-01
Dimethylnaphthalene, 1,3-	8.90E-01	1.30E-01
Dimethyl phenol, 2,4-	5.00E-01	1.00E-01
Dimethylphenethylamine, alpha, alpha-	5.00E-01	1.00E-01
Dimethylphthalate	9.00E-01	1.00E-01
Di-n-butyl phthalate	1.00E+00	1.00E-01
Dinitrobenzene, 1,3- (dinitrobenzene, 2,4-)	6.50E-01	1.00E-01
Dinitrobenzene, 1,4-	5.00E-01	1.00E-01

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Dinitro-2-methylphenol, 4,6- (dinitro-o-cresol, 4, 6-)	1.00E+00	1.00E-01
Dinitrophenol, 2,4-	1.00E+00	1.00E-01
Dinitrophenol, 2,5-	5.00E-01	1.00E-01
Dinitrotoluene, 2,4-	8.50E-01	1.00E-01
Dinitrotoluene, 2,6-	8.50E-01	1.00E-01
Di-n-octyl phthalate	9.00E-01	1.00E-01
Dinoseb	5.00E-01	1.00E-01
Dioxane 1,4-	8.00E-01	0.00E+00
Diphenylamine	5.00E-01	1.00E-01
Diphenylhydrazine, 1,2-	5.00E-01	1.00E-01
Diphenyl oxide	5.00E-01	1.00E-01
Diquat	5.00E-01	1.00E-01
Disodium iminodiacetate (iminodiacetic acid, disodium	5.00E-01	1.00E-01
Disulfoton	5.00E-01	1.00E-01
Diuron	5.00E-01	1.00E-01
Dodecylphenol, 4-	5.00E-01	1.00E-01
Endosulfan	5.00E-01	1.00E-01
Endosulfan I	5.00E-01	1.00E-01
Endosulfan II	5.00E-01	1.00E-01
Endosulfan sulfate	5.00E-01	1.00E-01
Endothall	5.00E-01	1.00E-01
Endrin	5.00E-01	1.00E-01
Endrin aldehyde	5.00E-01	1.00E-01
Endrin ketone	5.00E-01	1.00E-01
Epichlorohydrin	8.00E-01	0.00E+00
EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate)	5.00E-01	1.00E-01
Esfenvalerate	5.00E-01	1.00E-01
Ethalfluralin (sonolan)	5.00E-01	1.00E-01
Ethanol	8.00E-01	0.00E+00
Ethion	5.00E-01	1.00E-01
Ethoprop	5.00E-01	1.00E-01
Ethoxy ethanol, 2-	8.00E-01	0.00E+00
Ethyl acetate	8.00E-01	0.00E+00
Ethyl acrylate	8.00E-01	0.00E+00
Ethyl benzene	9.70E-01	0.00E+00
Ethyl dipropylthiocarbamate, S-	5.00E-01	1.00E-01
Ethylene*	---	---
Ethylenediamine	8.00E-01	0.00E+00
Ethylene dibromide (dibromoethane, 1,2-)	8.00E-01	0.00E+00
Ethylene glycol	5.00E-01	1.00E-01
Ethylenimine	8.00E-01	0.00E+00
Ethylene oxide	8.00E-01	0.00E+00
Ethylene thiourea	5.00E-01	1.00E-01
Ethyl ether	8.00E-01	0.00E+00
Ethyl-1-hexanol, 2-	5.00E-01	1.00E-01
Ethyl-2-hexenal, 2-	8.00E-01	0.00E+00
Ethylhexyl acrylate, 2-	5.00E-01	1.00E-01
Ethyl methacrylate	8.00E-01	0.00E+00
Ethyl methanesulfonate	5.00E-01	1.00E-01
Ethyl-2-methyl benzene, 1-	9.70E-01	0.00E+00
Ethyl-4-methyl benzene, 1-	9.70E-01	0.00E+00
Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane)	8.00E-01	0.00E+00
Famphur	5.00E-01	1.00E-01
Fensulfothion	5.00E-01	1.00E-01
Fenthion	5.00E-01	1.00E-01
Fluoranthene	8.90E-01	1.30E-01
Fluorene	8.90E-01	1.30E-01
Fluorine (soluble fluoride)	9.70E-01	1.00E-02
Fluorochloridone	5.00E-01	1.00E-01
Fonofos	5.00E-01	1.00E-01
Formaldehyde	8.00E-01	0.00E+00
Formic acid	8.00E-01	0.00E+00
Furan	8.00E-01	0.00E+00
Furfural	8.00E-01	0.00E+00
Glycidylaldehyde	8.00E-01	0.00E+00
Glyphosate	5.00E-01	1.00E-01
Heptachlor	7.20E-01	1.00E-01
Heptachlor epoxide	7.20E-01	1.00E-01
Heptane, n-	8.00E-01	0.00E+00
Heptanoic acid, n-	5.00E-01	1.00E-01
Hexachlorobenzene	5.00E-01	1.00E-01
Hexachlorobutadiene	5.00E-01	1.00E-01
Hexachlorocyclohexane, alpha (alpha-BHC)	9.70E-01	4.00E-02
Hexachlorocyclohexane, beta (beta-BHC)	9.10E-01	4.00E-02
Hexachlorocyclohexane, delta (delta-BHC)	5.00E-01	4.00E-02
Hexachlorocyclohexane, gamma (lindane; gamma-BHC)	9.70E-01	4.00E-02
Hexachlorocyclohexane, techn (technical-BHC)	9.70E-01	4.00E-02
Hexachlorocyclopentadiene (HCCPD)	5.00E-01	1.00E-01
Hexachloroethane	5.00E-01	1.00E-01

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Hexachlorophene	5.00E-01	1.00E-01
Hexachloropropylene	5.00E-01	1.00E-01
Hexane, n-	8.00E-01	0.00E+00
Hexanediol, 1,6-	5.00E-01	1.00E-01
Hexanoic acid	5.00E-01	1.00E-01
Hexanone, 2-	6.60E-01	0.00E+00
Hexazinone	5.00E-01	1.00E-01
Hexylene glycol (2-methyl-2,4-pentanediol)	5.00E-01	1.00E-01
Hydrazine	8.00E-01	0.00E+00
Hydrogen chloride (hydrochloric acid)*	---	---
Indene	8.00E-01	0.00E+00
Indeno-1,2,3-cd-pyrene	8.90E-01	1.30E-01
Iron*	---	---
Isobutyl alcohol	8.00E-01	0.00E+00
Isobutylene (2-methyl-1-propene)	8.00E-01	0.00E+00
Isobutyric acid (2-methylpropanoic acid)	5.00E-01	1.00E-01
Isodrin	5.00E-01	1.00E-01
Isophorone	5.00E-01	1.00E-01
Isopropyl acetate	8.00E-01	0.00E+00
Isopropyl alcohol	8.00E-01	0.00E+00
Isosafrole	5.00E-01	1.00E-01
Kelthane (dicofol)	5.00E-01	1.00E-01
Kepone (chlordecone)	5.00E-01	1.00E-01
Lead (inorganic)	1.50E-01	1.00E-02
Limonene, d-*	---	---
Lithium	8.00E-01	1.00E-02
Magnesium*	---	---
Malathion	5.00E-01	1.00E-01
Maleic anhydride	5.00E-01	1.00E-01
Maleic hydrazide	5.00E-01	1.00E-01
Malononitrile	5.00E-01	1.00E-01
Mancozeb	5.00E-01	1.00E-01
Manganese	6.00E-02	1.00E-02
MCPA (4-(chloro-2-methylphenoxy) acetic acid)	5.00E-01	1.00E-01
MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid)	5.00E-01	1.00E-01
Merphos	5.00E-01	1.00E-01
Mercury (pH = 4.9)	7.00E-02	1.00E-02
Mercury (pH = 6.8)	7.00E-02	1.00E-02
Methacrylic acid (2-methyl-2-propenoic acid)	8.00E-01	0.00E+00
Methacrylonitrile	8.00E-01	0.00E+00
Methanol	8.00E-01	0.00E+00
Methapyrilene	5.00E-01	1.00E-01
Methomyl	5.00E-01	1.00E-01
Methoxychlor	5.00E-01	1.00E-01
Methoxyethanol, 2-	8.00E-01	0.00E+00
Methyl acetate (acetic acid, methyl ester)	8.00E-01	0.00E+00
Methyl acrylate	8.00E-01	0.00E+00
Methyl amyl ketone (2-heptanone)	8.00E-01	0.00E+00
Methyl-1-butene, 2-	8.00E-01	0.00E+00
Methyl-2-butene, 2-	8.00E-01	0.00E+00
Methylcholanthrene, 3-	8.90E-01	1.30E-01
Methyl chrysene, 1-	8.90E-01	1.30E-01
Methyl chrysene, 2-	8.90E-01	1.30E-01
Methyl chrysene, 6-	8.90E-01	1.30E-01
Methyl cyclohexane	8.00E-01	0.00E+00
Methylene-bis (2-chloroaniline) 4,4'-	5.00E-01	1.00E-01
Methylene bromide (dibromomethane)	8.00E-01	0.00E+00
Methylene chloride (dichloromethane)	9.50E-01	0.00E+00
Methyl ethyl ketone (2-butanone)	8.00E-01	0.00E+00
Methyl iodide (iodomethane)	8.00E-01	0.00E+00
Methyl isobutyl ketone (4-methyl-2-pentanone)	8.00E-01	0.00E+00
Methyl mercury	9.00E-01	1.00E-02
Methylmecury hydroxide	5.00E-01	1.00E-01
Methyl methacrylate	8.00E-01	0.00E+00
Methyl methanesulfonate	5.00E-01	1.00E-01
Methylnaphthalene, 1-	8.90E-01	1.30E-01
Methylnaphthalene, 2-	8.90E-01	1.30E-01
Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine)	5.00E-01	1.00E-01
Methyl parathion	5.00E-01	1.00E-01
Methyl-2-pentenal, 2-	8.00E-01	0.00E+00
Methyl-1-propanal, 2- (isobutyraldehyde)	8.00E-01	0.00E+00
Methylpyrrolidone, N-	5.00E-01	1.00E-01
Methyltetrahydrofuran, 2-	8.00E-01	0.00E+00
Methyltetrahydropyran, 2-	8.00E-01	0.00E+00
Metolachlor	5.00E-01	1.00E-01
Metribuzin	5.00E-01	1.00E-01
Mirex	5.00E-01	1.00E-01
Molinate	5.00E-01	1.00E-01
Molybdenum	3.80E-01	1.00E-02

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Morpholine	8.00E-01	0.00E+00
MTBE (methyl tert-butyl ether)	8.00E-01	0.00E+00
Naled	5.00E-01	1.00E-01
Naphthalene	8.90E-01	1.30E-01
Naphthoquinone, 1,4-	5.00E-01	1.00E-01
Naphthylamine, 1-	5.00E-01	1.00E-01
Naphthylamine, 2-	5.00E-01	1.00E-01
Napropamide	5.00E-01	1.00E-01
Neopentyl glycol	5.00E-01	1.00E-01
Nickel and compounds	4.00E-02	1.00E-02
Nitrate	5.00E-01	1.00E-02
Nitrite	5.00E-01	1.00E-02
Nitroaniline, 2-	5.00E-01	1.00E-01
Nitroaniline, 3-	5.00E-01	1.00E-01
Nitroaniline, 4-	5.00E-01	1.00E-01
Nitrobenzene	9.70E-01	1.00E-01
Nitroglycerin	5.00E-01	1.00E-01
Nitrophenol, 2-	5.00E-01	1.00E-01
Nitrophenol, 3-	5.00E-01	1.00E-01
Nitrophenol, 4-	1.00E+00	1.00E-01
Nitropropane, 2-	8.00E-01	0.00E+00
Nitroquinoline-N-oxide, 4-	5.00E-01	1.00E-01
Nitrosodiethanolamine, N-	5.00E-01	1.00E-01
Nitrosodiethylamine, N-	8.00E-01	0.00E+00
Nitrosodimethylamine, N-	8.00E-01	0.00E+00
Nitrosodi-n-butylamine, N-	5.00E-01	1.00E-01
Nitrosodi-n-propylamine, N-	2.50E-01	1.00E-01
Nitrosodiphenylamine, N-	2.50E-01	1.00E-01
Nitroso-methyl-ethyl-amine, N-	8.00E-01	0.00E+00
Nitrosomorpholine, N-	5.00E-01	1.00E-01
Nitroso-N-ethylurea, N-	5.00E-01	1.00E-01
Nitrosopiperidine, N-	5.00E-01	1.00E-01
Nitrosopyrrolidine, N-	5.00E-01	1.00E-01
Nitrotoluene, m-	5.00E-01	1.00E-01
Nitrotoluene, o-	5.00E-01	1.00E-01
Nitrotoluene, p-	5.00E-01	1.00E-01
Nonachlor, cis-	5.00E-01	1.00E-01
Nonachlor, trans-	5.00E-01	1.00E-01
Nonanal	5.00E-01	1.00E-01
Nonylphenol	5.00E-01	1.00E-01
Octamethylpyrophosphoramide	5.00E-01	1.00E-01
Octanone	8.00E-01	0.00E+00
Oxamyl	5.00E-01	1.00E-01
Oxychlordane	5.00E-01	1.00E-01
Paraquat	5.00E-01	1.00E-01
Parathion (ethyl parathion)	5.00E-01	1.00E-01
Pebulate	5.00E-01	1.00E-01
Pendimethalin	5.00E-01	1.00E-01
Pentachlorobenzene	5.00E-01	1.00E-01
Pentachloroethane	8.00E-01	0.00E+00
Pentachloronitrobenzene	5.00E-01	1.00E-01
Pentachlorophenol	7.60E-01	2.50E-01
Pentadiene, 1,3-trans-	8.00E-01	0.00E+00
Pentaerythritol tetranitrate (PETN)	5.00E-01	1.00E-01
Pentane	8.00E-01	0.00E+00
Pentanediol, 1,5-	5.00E-01	1.00E-01
Pentanone, 2-	8.00E-01	0.00E+00
Pentyne, 1-	8.00E-01	0.00E+00
Perchlorate	2.00E-01	1.00E-02
Perylene	5.00E-01	1.00E-01
Phenacetin	5.00E-01	1.00E-01
Phenanthrene	8.90E-01	1.30E-01
Phenanthridine	5.00E-01	1.00E-01
Phenol	9.00E-01	1.00E-01
Phenylene diamine, m-	5.00E-01	1.00E-01
Phenylene diamine, p-	5.00E-01	1.00E-01
Phenyl mercuric acetate	5.00E-01	1.00E-01
Phorate	5.00E-01	1.00E-01
Phosalone	5.00E-01	1.00E-01
Phosdrin (mevinphos)	5.00E-01	1.00E-01
Phosmet	5.00E-01	1.00E-01
Phosphine	2.00E-01	1.00E-02
Phosphorus, total*	---	---
Phosphorus, white	2.00E-01	1.00E-02
Phthalic anhydride	5.00E-01	1.00E-01
Picloram	5.00E-01	1.00E-01
Picoline, 2- (2-methylpyridine)	8.00E-01	0.00E+00
Polybrominated biphenyls (PBBs)	9.30E-01	1.00E-01
Polychlorinated biphenyls (PCBs)	8.10E-01	1.40E-01

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Potassium*	---	---
Primene	5.00E-01	1.00E-01
Prometon (pramitol)	5.00E-01	1.00E-01
Pronamide	5.00E-01	1.00E-01
Propanal (propionaldehyde)	8.00E-01	0.00E+00
Propanil	5.00E-01	1.00E-01
Propanoic acid (propionic acid)	8.00E-01	0.00E+00
Propanol, 1-	8.00E-01	0.00E+00
Propargite	5.00E-01	1.00E-01
Propargyl alcohol	8.00E-01	0.00E+00
Propazine	5.00E-01	1.00E-01
Propham	5.00E-01	1.00E-01
Propionitrile (propane nitrile)	8.00E-01	0.00E+00
Propyl acetate, n-	8.00E-01	0.00E+00
Propylbenzene, n-	8.00E-01	0.00E+00
Propylene glycol	5.00E-01	1.00E-01
Propylene glycol monomethyl ether	8.00E-01	0.00E+00
Propylene oxide	8.00E-01	0.00E+00
Propylene tetramer	5.00E-01	1.00E-01
Pyrene	8.90E-01	1.30E-01
Pyridine	8.00E-01	0.00E+00
Quinoline	5.00E-01	1.00E-01
Ronnel	5.00E-01	1.00E-01
Safrole	5.00E-01	1.00E-01
Selenium	5.00E-01	1.00E-02
Selenourea	---	---
Silver	4.00E-02	1.00E-02
Simazine	5.00E-01	1.00E-01
Sodium*	---	---
Sodium diethyldithiocarbamate	---	---
Sodium polyacrylate	8.00E-01	0.00E+00
Strontium	2.00E-01	1.00E-02
Strychnine	5.00E-01	1.00E-01
Styrene	8.00E-01	0.00E+00
Sulfate*	---	---
Sulfide*	---	---
Sulfolane	5.00E-01	1.00E-01
Sulfur*	---	---
TCDD, 2,3,7,8- (dioxin)	5.00E-01	3.00E-02
Tebuconazole	5.00E-01	1.00E-01
Tebuthiuron	5.00E-01	1.00E-01
Terbufos	5.00E-01	1.00E-01
Tert-amyl-methyl ether (TAME)	8.00E-01	0.00E+00
Tert-butyl alcohol (2-methyl-2-propanol)	8.00E-01	0.00E+00
Tetrachlorobenzene, 1,2,3,4-	5.00E-01	1.00E-01
Tetrachlorobenzene, 1,2,3,5-	5.00E-01	1.00E-01
Tetrachlorobenzene, 1,2,4,5-	5.00E-01	1.00E-01
Tetrachloroethane, 1,1,1,2-	8.00E-01	0.00E+00
Tetrachloroethane, 1,1,2,2-	7.00E-01	0.00E+00
Tetrachloroethylene (perchlorethylene)	1.00E+00	0.00E+00
Tetrachlorophenol, 2,3,4,5-	5.00E-01	1.00E-01
Tetrachlorophenol, 2,3,4,6-	5.00E-01	1.00E-01
Tetrachlorophenol, 2,3,5,6-	5.00E-01	1.00E-01
Tetradifon	5.00E-01	1.00E-01
Tetraethyl dithiopyrophosphate (sulfotep)	5.00E-01	1.00E-01
Tetraethyl lead	5.00E-01	1.00E-01
Tetrahydrofuran	8.00E-01	0.00E+00
Tetrahydropyran	8.00E-01	0.00E+00
Thallium and compounds (as thallium chloride)	1.00E+00	1.00E-02
Thiofanox	5.00E-01	1.00E-01
Thionazin	5.00E-01	1.00E-01
Thiophanate-methyl	5.00E-01	1.00E-01
Thiram	5.00E-01	1.00E-01
Tin	1.00E-01	1.00E-02
Titanium	3.00E-02	1.00E-02
Toluene	8.00E-01	0.00E+00
Toluenediamine, 2,4-	5.00E-01	1.00E-01
Toluenediamine, 2,6-	5.00E-01	1.00E-01
Toluene diisocyanate, 2,4/2,6-	5.00E-01	1.00E-01
Toluidine, o-	5.00E-01	1.00E-01
Toluidine, p-	5.00E-01	1.00E-01
Toxaphene	5.00E-01	1.00E-01
TP Silvex, 2,4,5-	5.00E-01	1.00E-01
Triademenol	5.00E-01	1.00E-01
Triallate	5.00E-01	1.00E-01
Triaminotrinitrobenzene (TATB)	5.00E-01	1.00E-01
Tributyltin oxide	5.00E-01	1.00E-01
Trichlorobenzene, 1,2,3-	5.00E-01	1.00E-01
Trichlorobenzene, 1,2,4-	9.70E-01	1.00E-01

CONSTITUENT	ABS.gi (unitless)	ABS.d (unitless)
Trichlorobenzene, 1,3,5-	5.00E-01	1.00E-01
Trichloroethane, 1,1,1-	9.00E-01	0.00E+00
Trichloroethane, 1,1,2-	8.10E-01	0.00E+00
Trichloroethylene	1.00E+00	0.00E+00
Trichlorofluoromethane	2.30E-01	0.00E+00
Trichloronate	5.00E-01	1.00E-01
Trichlorophenol, 2,3,4-	5.00E-01	1.00E-01
Trichlorophenol, 2,3,5-	5.00E-01	1.00E-01
Trichlorophenol, 2,3,6-	5.00E-01	1.00E-01
Trichlorophenol, 2,4,5-	5.00E-01	1.00E-01
Trichlorophenol, 2,4,6-	5.00E-01	1.00E-01
Trichlorophenol, 3,4,5-	5.00E-01	1.00E-01
Trichlorophenoxyacetic acid, 2,4,5-	5.00E-01	1.00E-01
Trichloropropane, 1,1,2-	8.00E-01	0.00E+00
Trichloropropane, 1,2,3-	8.00E-01	0.00E+00
Trichloro-1,2,2-trifluoroethane, 1,1,2-	8.00E-01	0.00E+00
Triethanolamine	5.00E-01	1.00E-01
Triethylamine	8.00E-01	0.00E+00
Triethylene glycol	5.00E-01	1.00E-01
Triethylphosphorothioate, O, O, O-	5.00E-01	1.00E-01
Trifluralin	5.00E-01	1.00E-01
Trimethylamine	8.00E-01	0.00E+00
Trimethylbenzene, 1,2,3-	9.70E-01	0.00E+00
Trimethylbenzene, 1,2,4-	8.00E-01	0.00E+00
Trimethylbenzene, 1,3,5-	8.00E-01	0.00E+00
Trinitrobenzene, 1,3,5-	6.50E-01	1.00E-01
Trinitrophenylmethylnitramine (tetryl; nitramine)	5.00E-01	1.00E-01
Trinitrotoluene, 2,4,6-	6.00E-01	1.00E-01
Uranium (soluble salts)	8.50E-01	1.00E-02
Valeric acid (pentanoic acid)	5.00E-01	1.00E-01
Vanadium	2.60E-02	1.00E-02
Vernam	5.00E-01	1.00E-01
Vinyl acetate	6.50E-01	0.00E+00
Vinyl chloride	1.00E+00	0.00E+00
Vinylcyclohexane	8.00E-01	0.00E+00
Warfarin	5.00E-01	1.00E-01
Xylene, m-	8.00E-01	0.00E+00
Xylene, o-	8.00E-01	0.00E+00
Xylene, p-	8.00E-01	0.00E+00
Xylenes	9.20E-01	0.00E+00
Zinc	2.00E-01	1.00E-02
6 C aliphatics (TPH)	8.00E-01	0.00E+00
>6-8 C aliphatics (TPH)	8.00E-01	0.00E+00
>8-10 C aliphatics (TPH)	8.00E-01	0.00E+00
>10-12 C aliphatics (TPH)	5.00E-01	1.00E-01
>12-16 C aliphatics (TPH)	5.00E-01	1.00E-01
>16-21 C aliphatics (TPH)	5.00E-01	1.00E-01
>16-21 C, >21-35 C aliphatics (TPH) (for transformer mineral oil releases only)	5.00E-01	1.00E-01
>7-8 C aromatics (TPH)	9.70E-01	0.00E+00
>8-10 C aromatics (TPH)	8.00E-01	0.00E+00
>10-12 C aromatics (TPH)	5.00E-01	1.00E-01
>12-16 C aromatics (TPH)	5.00E-01	1.00E-01
>16-21 C aromatics (TPH)	8.90E-01	1.30E-01
>21-35 C aromatics (TPH)	8.90E-01	1.30E-01

Footnote

*These compounds are not necessarily of concern from a human health standpoint, therefore calculation of human health-based values is not required. However, aesthetics and ecological criteria would still apply. See table available on the TNRCC website at http://www.tnrcc.state.tx.us/permitting/trrp.htm (TRRP) or http://www.tnrcc.state.tx.us/permitting/rrr.htm (RRR).

Aquatic Life Surface Water RBEL Table and Human Health Surface Water RBEL Table

The tables contain pre-approved surface water RBEL values that are protective of aquatic life and human health for the particular pathways specified in the Texas Surface Water Quality Standards (§307). The tables should be used in concert with the guidance provided in *Determining PCLs for Surface Water and Sediment* (RG-366/TRRP-24). Not all surface water exposure pathways addressed in TRRP-24 are represented in these tables (e.g., human surface water exposure as a result of contact recreation or ecological exposure pathways). The values in these tables are based on current state and federal water quality standards, state drinking water criteria (§290), ecological screening benchmarks, and appropriate toxicity data (in the case of aquatic life values). The tables will be updated periodically to reflect new criteria and/or other information (e.g., toxicological data, persistence information)[1]. Where a value is not provided in these tables for a surface water COC, persons should derive a value based on the guidance in TRRP-24, where appropriate.

[1]The human health surface water RBEL table was updated on June 11, 2003 to reflect changes to the federal water quality criteria in 2002 (see footnote a for the reference). Footnote d was added to the table to clarify when a Maximum Contaminant Level specified in §290 was used that was not already referenced in §307.

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Metals					
Aluminum (d)	7429-90-5	991w	[7]87	—	—
Aluminum [4]	7429-90-5	—	87		
Antimony [7]	7440-36-0		692		500
Arsenic (d)	7440-38-2	360w	190w	149w	78w
Barium [7]	7440-39-3	—	4	—	—
Beryllium [7]	7440-41-7	—	5.3	—	—
Boron [7]	7440-42-8	—	1.6	—	—
Cadmium (d)	7440-43-9	$0.973we^{(1.128[\ln(hardness)] - 1.6774)}$ [5]With assumed hardness: 15	$0.909we^{(0.7852[\ln(hardness)] - 3.490)}$ [5]With assumed hardness: 0.60	45.4w	10w
Chromium (Tri)(d)	16065-83-1	$0.316we^{(0.8190)[\ln(hardness)] + 3.688)}$ [5]With assumed hardness: 311	$0.860we^{(0.8190)(\ln(hardness)) + 1.561)}$ [5]With assumed hardness: 100.9	—	—
Chromium (Hex)(d)	18540-29-9	15.7w	10.6w	1,090w	49.6w
Cobalt [7]	7440-48-4	—	1500	—	—
Copper (d) [2]	7440-50-8	$0.960we^{(0.9422[\ln(hardness)] - 1.3844)}$ [5]With assumed hardness: 9.6	$0.960we^{(0.8545[\ln(hardness)] - 1.386)}$ [5]With assumed hardness: 6.8	13.5w	3.6w
Cyanide (free) [3]	57-12-5	45.8	10.7	5.6	5.6
Iron [4]	7439896	—	1000	—	—

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Lead (d)	7439-92-1	$0.889we^{(1.273[\ln(hardness)] - 1.460)}$ [5]With assumed hardness: 30.0	$0.792we^{(1.273[\ln(hardness)] - 4.705)}$ [5]With assumed hardness: 1.04	133w	5.3w
Lithium [7]	7439-93-2	—	14	—	—
Manganese [7]	7439-96-5	—	120	—	—
Mercury	7439-97-6	2.4	1.3	2.1	1.1
Molybdenum [7]	7439-98-7	—	2000	—	—
Nickel (d)	7440-02-0	$0.998we^{(0.8460[\ln(hardness)] + 3.3612)}$ [5]With assumed hardness: 787.4	$0.997we^{(0.8460[\ln(hardness)] + 1.1645)}$ [5]With assumed hardness: 87.4	118w	13.1w
Phosphorus, elemental[4]	7723140	—	—	0.1	—
Selenium	7782-49-2	20	5	564	136
Silver (d), as free ion	7440-22-4	0.8w		2w	—
Strontium [7]	7440-24-6	—	1500	—	—
Thallium [7]	7440-28-0	—	40	—	21.3
Tin [7]	7440-31-5	—	73	—	—
Tributlytin (TBT)	688-73-3	0.13	0.024	0.24	0.043
Uranium (d)[7]	7440-61-1	—	$e^{(1.1021[\ln(hardness)] + 2.2382)}$ [5]With assumed hardness: 700	—	—
Vanadium [7]	7440-62-1	—	20	—	—
Vanadium pentoxide [7]	1314-62-1	—	15	—	—

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Zinc (d)	7440-66-6	$0.978we^{(0.8473[\ln(hardness)] + 0.8604)}$ [5]With assumed hardness: 63.6	$0.986we^{(0.8473[\ln(hardness)] + 0.7614)}$ [5]With assumed hardness: 58.1	92.7w	84.2w
Zirconium [7]	7440-67-7	—	17	—	—
Other Inorganics					
Chlorine [4]	7782-50-5	19	11	13	7.5
Sulfide, Hydrogen Sulfide [4]	7783-06-4	—	2.0	—	2.0
Pesticides and PCBs					
Acrolein (acrylic aldehyde) [7]	107-02-8	—	2.7	—	10
Aldrin	309-00-2	3	—	1.3	—
BHC (alpha) [7]	319-84-6	—	74	—	25
BHC (beta) [7]	319-85-7	—	83	—	—
Carbaryl	63-25-2	2.0		613	—
Chlordane	57-74-9	2.4	0.004	0.09	0.004
Chlorpyrifos	2921-88-2	0.083	0.041	0.011	0.006
4,4' – DDD [7]	72-54-8	—	0.011	—	0.025
4,4' – DDE [7]	72-55-9	—	10.5	—	0.14
4,4' – DDT	50-29-3	1.1	0.001	0.13	0.001
Demeton	8065-48-3	—	0.1	—	0.1

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Diazinon [7]	333-41-5	—	0.043	—	—
Dicofol (Kelthane)	115-32-2	59.3	19.8	—	—
Dieldrin	60-57-1	2.5	0.002	0.71	0.002
Diuron	330-54-1	210	70	—	—
Endosulfan I (alpha)	959-98-8	0.22	0.056	0.034	0.009
Endosulfan II (beta)	33213-65-9	0.22	0.056	0.034	0.009
Endosulfan sulfate	1031-07-8	0.22	0.056	0.034	0.009
Endosulfan (all isomers) [7]	115-29-7	—	0.051	—	—
Endrin	72-20-8	0.18	0.002	0.037	0.002
Guthion	85-50-0	—	0.01	—	0.01
Heptachlor	76-44-8	0.52	0.004	0.053	0.004
Heptachlor Epoxide[4]	1024-57-3	0.52	0.0038	0.053	0.0036
Delta hexachlorocylo-hexane (HCH)[7]	319-86-8	—	141	—	—
Hexachlorocyclohexane (Lindane)	58-89-9	2.0	0.08	0.16	—
Hexachlorocyclo-pentadiene [7]	77-47-4	—	0.07	—	0.07
HMX (Octogen) [7]	2691-41-0	—	150	—	—

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Malathion	121-75-5	—	0.01	—	0.01
Methoxychlor	72-43-5	—	0.03	—	0.03
Mirex	2385-85-5	—	0.001	—	0.001
Parathion (ethyl)	56-38-2	0.065	0.013	—	—
Polychlorinated Biphenyls (PCBs)	1336-36-3	2.0	0.014	10	0.03
Toxaphene	8001-35-2	0.78	0.0002	0.21	0.0002
PAHs					
Acenapthene[7]	83-32-9	—	23	—	40.4
Anthracene[7]	120-12-7	—	0.3	—	0.18
Benzo(a)anthracene[7]	56-55-3	—	0.1	—	—
Benzo(a)pyrene[7]	50-32-8	—	0.014	—	—
Chrysene[7]	218-01-9	—	7	—	—
Flouranthene[7]	206-44-0	—	6.16	—	2.96
Flourene[7]	86-73-7	—	11	—	50
1-Methylnaphthalene[7]	90-12-0	—	2.1	—	—
2-Methylnaphthalene[7]	91-57-6	—	130	—	60
Naphthalene[7]	91-20-3	—	490	—	250
Phenanthrene	85-01-8	30	30	7.7	4.6

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Pyrene[7]	129-00-0	—	7	—	—
Semivolatile Organic Substances					
2-amino-4,6-dinitrotoluene [7]	35572-78-2	—	14800	—	—
Benzidine [7]	92-87-5	—	3840	—	—
Benzoic acid [7]	65-85-0	—	18000	—	—
Benzyl alcohol [7]	100-51-6	—	8.6	—	—
Biphenyl (diphenyl) [7]	92-52-4	—	14	—	—
Bis (2-Chloroethyl) Ether [7]	111-44-4	—	12000	—	—
Bis (2-ethyl-hexyl)phthalate [7]	117-81-7	—	7	—	—
4-Bromophenyl phenyl ether [7]	101-55-3	—	1.5	—	—
Butylbenzyl phthalate [7]	85-68-7	—	93	—	147
2-Chloronapthalene [7]	91-58-7	—	54	—	—
2-Chlorophenol [7]	95-57-8	—	130	—	265
Decane [7]	124-18-5	—	49	—	—
Di-n-butyl phthalate [7]	84-74-2	—	7	—	5
Di-n-octyl phthalate [7]	117-84-0	—	22	—	—

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Dibenzofuran [7]	132-64-9	—	94	—	65
3,3-Dichlorobenzidene [7]	91-94-1	—	105	—	73
2,4-Dichlorophenol [7]	120-83-2	—	85	—	—
Diethyl phthalate [7]	84-66-2	—	2090	—	884
Dimethyl phthalate [7]	131-11-3	—	330	—	580
2,4-Dimethylphenol [7]	105-67-9	—	210	—	—
1,3-Dinitrobenzene [7]	99-65-0	—	144	—	—
2,4-Dinitrophenol [7]	51-28-5	—	62	—	1330
2,4-Dinitrotoluene [7]	121-14-2	—	2430	—	—
1,2-Diphenylhydrazine [7]	122-66-7	—	23	—	—
Dodecyl Benzenesulfonic Acid[7]	27176-87-0	—	—	—	58
Isophorone [7]	78-59-1	—	12000	—	1290
Methyl tert-butyl ether (MTBE) [7]	1634-04-4	—	11070	—	—
1-Methyl-3-nitrobenzene (3-Nitrotoluene) [7]	99-08-1	—	750	—	—

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
3-Methyl-4-Chlorophenol [7]	59-50-7	—	0.3	—	—
2-Methyl-4,6-Dinitrophenol [7]	534-52-1	—	23	—	—
4-Methylphenol (p-cresol) [7]	106-44-5	—	543	—	—
2-Methylphenol (o-cresol) [7]	95-48-7	—	1120	—	—
N-Nitrosodimethylamine[7]	62-75-9	—	94000	—	330000
N-Nitrosodiphenylamine [7]	86-30-6	—	580	—	33000
Nitrosodipropylamine [7]	621-64-7	—	20	—	120
Nitroglycerin [7]	55-63-0	—	138	—	—
2-Nitrophenol [7]	88-75-5	—	1920	—	2940
4-Nitrophenol [7]	100-02-7	—	1060	—	717
2-Nitrotoluene [7]	88-72-7	—	880	—	—
4-Nitrotoluene (1-methyl,4-nitro-benzene) [7]	99-99-0	—	1900	—	—
2-Octanone (methyl hexyl ketone) [7]	111-13-7	—	8.3	—	—
Pentachlorobenzene [7]	608-93-5	—	0.47	—	129

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Pentachlorophenol	87-86-5	$e^{(1.005(pH) - 4.830)}$ [8]With assumed pH: 9.1	$e^{(1.005(pH) - 5.290)}$ [8]With assumed pH: 5.7	15.1	9.56
PETN (Pentaerythrite-tetranitrate) [7]	78-11-5	—	85000	—	—
Phenol [7]	108-95-2	—	110	—	5500
RDX (Cyclonite) [7]	121-82-4	—	360	—	—
1,2,4,5-Tetrachlorobenzene [7]	95-94-3	—	50	—	129
2,4,5 Trichlorophenol [7]	95-95-4	136	64	259	12
2,4,6 Trichlorophenol [7]	88-06-2	—	13.5	—	61
2,4,6 Trinitrotoluene (TNT) [7]	118-96-7	—	100	—	100
Volatiles					
Acetone [7]	67-64-1	—	202900	—	564000
Acrylonitrile [7]	107-13-1	—	76	—	581
Benzene [7]	71-43-2	—	130	—	109
Bromodichloromethane [7]	75-27-4	—	4320	—	—
2-Butanone (MEK) [7]	78-93-3	—	84800	—	—
N-butylbenzene [7]	104-51-8	—	71	—	—

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Carbon disulfide [7]	75-15-0	—	210	—	—
Carbon tetrachloride (Tetrachloromethane) [7]	56-23-5	—	9.8	—	1500
Chlorobenzene [7]	108-90-7	—	64	—	105
Chlorodibromomethane [7]	124-48-1	—	257	—	—
Chloroform [6]	67-66-3	5340	890	24500	4100
Chloromethane [7]	74-87-3	—	55000	—	27000
Cumene (isopropylbenzene) [7]	98-82-8	—	255	—	—
Cymene (4-isopropyltoluene) [7]	99-87-6	—	85	—	—
1,2-Dichlorobenzene [7]	95-50-1	—	110	—	591
1,3-Dichlorobenzene [7]	541-73-1	—	85	—	142
1,4-Dichlorobenzene [7]	106-46-7	—	110	—	99
Dichlorodifluoromethane (Freon-12) [7]	75-71-8	—	1960	—	—
1,1-Dichloroethane [6]	75-34-3	15400	5130	—	—
1,2-Dichloroethane [6]	107-06-2	37700	6300	33900	5650
1,1-Dichloroethene [6]	75-35-4	9100	3000	75000	25000

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
1,2-Dichloroethene, *trans* [6]	156-60-5	66000	22000	—	—
1,2-Dichloroethene (mixed *cis* and *trans* isomers) [6]	540-59-0	42000	14000	2000	680
1,2-Dichloropropane [7]	78-87-5	—	3730	—	2400
1,3-Dichloropropene [7]	592-75-6	—	410	—	273
Ethyl Benzene [7]	100-41-4	—	2180	—	500
Hexachlorobutadiene [7]	87-68-3	—	0.93	—	0.32
Hexachloroethane [7]	67-72-1	—	12	—	9.4
Hexane, n - [7]	110-54-3	—	0.58	—	—
2-Hexanone (methyl butyl ketone; MBK) [7]	591-78-6	—	123600	—	—
4-Methyl-2-pentanone (MIBK) [7]	108-10-1	—	52700	—	123000
Methyl Bromide (bromomethane) [7]	74-83-9	—	220	—	1200
Methyl Mercury (dimethylmercury) [7]	593-74-8	—	0.0028	—	—
Methyl methacrylate [7]	80-62-6	—	23240	—	—
Methylene Chloride [6]	75-09-2	66000	22000	32500	10900

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Nitrobenzene [7]	98-95-3	—	270	—	66.8
1-Pentanol [7]	71-41-0	—	110	—	—
2-Propanol [7]	67-63-0	—	7.5	—	—
Propyl benzene [7]	103-65-1	—	128	—	—
Sec-Butylbenzene [7]	135-98-8	—	82	—	—
Tert-Butylbenzene [7]	98-06-6	—	48	—	—
Styrene (vinyl benzene) [7]	100-42-5	—	2500	—	910
1,1,2,2-Tetrachloroethane [7]	79-34-5	—	465	—	451
Tetrachloroethene [6]	127-18-4	4700	790	8700	1450
Toluene [6]	108-88-3	8700	2900	2850	950
Tribromomethane (bromoform) [7]	75-25-2	—	149	—	1220
1,2,4-Trichlrobenzene [7]	120-82-1	—	51	—	22
1,1,1-Trichloroethane [6]	71-55-6	14700	4900	9400	3100
1,1,2-Trichloroethane [7]	79-00-5	—	1800	—	550
Trichloroethene	79-01-6	—	[7] 1110	[6] 5800	[6] 1940

Aquatic Life Surface Water Risk-Based Exposure Limits (^{SW}RBELs)[1] (Hardness concentrations are input as milligrams per liter)					
Parameter	**CASRN**	**Freshwater Acute (µg/L)**	**Freshwater Chronic (µg/L)**	**Saltwater Acute (µg/L)**	**Saltwater Chronic (µg/L)**
Trichlorotrifluoroethane (Freon-113) [7]	76-13-1	—	413	—	—
Trichlorofluoromethane (Freon-11) [7]	75-69-4	—	1740	—	—
1,2,4-Trimethylbenzene (Pseudocumene) [7]	95-63-6	—	77	—	217
1,3,5-Trimethylbenzene (Mesitylene) [7]	108-67-8	—	71	—	—
Vinyl acetate [7]	108-05-4	—	16	—	—
m-Xylene [7]	108-38-3	—	1.8	—	—
Xylenes [6]	1330-20-7	4020	1340	2550	850

(d) Indicates that the criteria for a specific parameter are for the dissolved portion in water. All other criteria are for total recoverable concentrations, except where noted.

w Indicates that a criterion is multiplied by a water-effect ratio in order to incorporate the effects of local water chemistry on toxicity. The water-effect ratio is equal to 1 except where sufficient data is available to establish a site-specific, water-effect ratio. Water-effect ratios for individual water bodies are listed in Appendix E of the TSWQS. The number preceding the w in the freshwater criterion equation is an EPA conversion factor.

1 Values are as specified in Figure 30 TAC §307.6(c)(1) of the TSWQS unless otherwise indicated.

2 In designated oyster waters, an acute saltwater copper criterion of 3.6 ug/L applies.

3 Compliance will be determined using the analytical method for cyanide amenable to chlorination or by weak acid dissociable cyanide.

4 National Recommended Water Quality Criterion as provided in U.S. EPA, 1999.
5 Value calculated using an assumed hardness of 50 mg/L as $CaCO_3$. Persons should use the lower fifteenth percentile hardness value for the nearest downstream classified segment as listed in the agency's Implementation Procedures, as amended. Alternatively, site-specific hardness values may be used. See discussion in Section 3.2.3.
6 Value derived by TNRCC using the LC_{50} approach.
7 Surface water benchmark from the Ecological Risk Assessment Guidance. See section 3.5.3 and Table 3-2 from that document for details.
8 Value calculated using an assumed pH of 7. See discussion in Section 3.2.3 for guidance on the appropriate pH value to use.

Human Health Surface Water Risk-Based Exposure Limits (^{SW}RBELs)				
Compound	**CASRN**	**Water and Freshwater Fish (µg/L)**	**Freshwater Fish Only (µg/L)**	**Saltwater Fish Only (µg/L)**
Acenaphthene	83-32-9	670	990	990
Acrolein	107-02-8	190	290	290
Acrylonitrile	107-13-1	1.28 [a]	10.9 [a]	7.3 [a]
Aldrin	309-00-2	0.00408 [a]	0.00426 [a]	0.0028 [a]
Anthracene	120-12-7	8,300	40,000	40,000
Antimony	7440-36-0	5.6	640	640
Arsenic	7440-38-2	50 [b]	—	—
Asbestos	1332-21-4	7 mf/L [d]	—	—
Barium	7440-39-3	2,000 [b,c]	—	—
Benzene	71-43-2	5 [b]	106 [a]	70.8 [a]
Benzidine	92-87-5	0.00106 [a]	0.00347 [a]	0.00232 [a]
Benzo(a)anthracene	56-55-3	0.099 [a]	0.81 [a]	0.54 [a]
Benzo(a)pyrene	50-32-8	0.099 [a]	0.81 [a]	0.54 [a]
Benzo(b)fluoranthene	205-99-2	0.038	0.18	0.18
Benzo(k)fluoranthene	207-08-9	0.038	0.18	0.18
Bis(2-chloroethyl)ether	111-44-4	0.3	5.3	5.3
Bis(2-chloroisopropyl)ether	39638-32-9	1,400	65,000	65,000
Bis(chloromethyl)ether	542-88-1	0.00462 [a]	0.0193 [a]	0.0129 [a]
Bis(2-ethylhexyl)phthalate	117-81-7	6 [d]	22	22
Butylbenzyl phthalate	85-68-7	1,500	1,900	1,900
Cadmium	7440-43-9	5 [b,c]	—	—
Carbon Tetrachloride	56-23-5	3.76 [a]	8.4 [a]	5.6 [a]
Chlordane	57-74-9	0.0210 [a]	0.0213 [a]	0.0213 [a]
Chlorobenzene	108-90-7	776 [a]	1,380 [a]	920 [a]
Chloroform	67-66-3	100 [b]	1,292 [a]	861 [a]
2-Chloronaphthalene	91-58-7	1,000	1,600	1,600
2-Chlorophenol	95-57-8	81	150	150
Chromium	18540-29-9	100 [b,c]	3,320 [a,c]	2,216 [a,c]
Chrysene	218-01-9	0.417 [a]	8.1 [a]	5.4 [a]
Copper	7440-50-8	1,300	—	—

Human Health Surface Water Risk-Based Exposure Limits (^{SW}RBELs)				
Compound	**CASRN**	**Water and Freshwater Fish (µg/L)**	**Freshwater Fish Only (µg/L)**	**Saltwater Fish Only (µg/L)**
o-Cresol	95-48-7	3,313 [a]	13,116 [a]	8,744 [a]
m-Cresol	108-39-4	3,313 [a]	13,116 [a]	8,744 [a]
p-Cresol	106-44-5	3,313 [a]	13,116 [a]	8,744 [a]
Cyanide (free)	57-12-5	200 [b]	—	—
4,4' - DDD	72-54-8	0.0103 [a]	0.010 [a]	0.007 [a]
4,4' - DDE	72-55-9	0.0103 [a]	0.010 [a]	0.007 [a]
4,4' - DDT	50-29-3	0.0103 [a]	0.010 [a]	0.007 [a]
2,4 - D	94-75-7	70 [b]	—	—
Danitol	39515-41-8	0.709 [a]	0.721 [a]	0.481 [a]
Dibenz(a,h)anthracene	53-70-3	0.038	0.18	0.18
Dibromochloromethane	124-48-1	9.2 [a]	71.6 [a]	47.7 [a]
1,2-Dibromoethane	106-93-4	0.014 [a]	0.335 [a]	0.223 [a]
1,2-Dichlorobenzene	95-50-1	600 [d]	17,000	17,000
1,3-Dichlorobenzene	541-73-1	320	960	960
1,4-Dichlorobenzene	106-46-7	75 [b]	—	—
3,3'-Dichlorobenzidine	91-94-1	0.21	0.28	0.28
2,4-Dichlorophenol	120-83-2	77	290	290
1,3-Dichloropropene	542-75-6	22.8 [a]	161 [a]	107 [a]
Dieldrin	60-57-1	0.00171 [a]	0.002 [a]	0.001 [a]
1,2-Dichloroethane	107-06-2	5 [b]	73.9 [a]	49.3 [a]
1,1-Dichloroethylene	75-35-4	1.63 [a]	5.84 [a]	3.90 [a]
1,2 - (*Trans*)Dichloroethylene	156-60-5	100 [d]	140,000	140,000
1,2-Dichloropropane	78-87-5	5	150	150
Dicofol	115-32-2	0.215 [a]	0.217 [a]	0.144 [a]
Diethylphthalate	84-66-2	17,000	44,000	44,000
2,4-Dimethylphenol	105-67-9	380	850	850
Dimethylphthalate	131-11-3	270,000	1,100,000	1,100,000
Di-n-butylphthalate	84-74-2	2,000	4,500	4,500
2,4-Dinitrophenol	51-28-5	69	5,300	5,300
2,4-Dinitrotoluene	121-14-2	1.1	34	34

Human Health Surface Water Risk-Based Exposure Limits (^{SW}RBELs)				
Compound	**CASRN**	**Water and Freshwater Fish (µg/L)**	**Freshwater Fish Only (µg/L)**	**Saltwater Fish Only (µg/L)**
Dioxins/Furans (TCDD Equivalents)	1746-01-6	1.34E-07 [a]	1.4E-07 [a]	9.33E-08 [a]
Congener/Isomer	Toxic Equivalency Factors	—	—	—
2,3,7,8-TCDD	1			
1,2,3,7,8-PeCDD	0.5			
2,3,7,8-HxCDD's	0.1			
2,3,7,8-TCDF	0.1			
1,2,3,7,8-PeCDF	0.05	—	—	—
2,3,4,7,8-PeCDF	0.5			
2,3,7,8-HxCDF's	0.1			
1,2-Diphenylhydrazine	122-66-7	0.36	2	2
Endosulfan (alpha)	959-98-8	62	89	89
Endosulfan (beta)	3321-36-59	62	89	89
Endosulfan Sulfate	1031-07-8	62	89	89
Endrin	72-20-8	1.27 [a]	1.34 [a]	0.893 [a]
Endrin Aldehyde	7421-93-4	0.29	0.30	0.30
Ethylbenzene	100-41-4	700 [d]	29,000	29,000
Fluoranthene	206-44-0	130	140	140
Fluorene	86-73-7	1,100	5,300	5,300
Fluoride	7782-41-4	4,000 [b]	—	—
Heptachlor	76-44-8	0.00260 [a]	0.00265 [a]	0.00177 [a]
Heptachlor Epoxide	1024-57-3	0.159 [a]	1.1 [a]	0.723 [a]
Hexachlorobenzene	118-74-1	0.0194 [a]	0.0198 [a]	0.0132 [a]
Hexachlorobutadiene	87-68-3	2.99 [a]	3.6 [a]	2.4 [a]
Hexachlorocyclohexane (alpha)	319-84-6	0.163 [a]	0.413 [a]	0.275 [a]
Hexachlorocyclohexane (beta)	319-85-7	0.57 [a]	1.45 [a]	0.964 [a]
Hexachlorocyclohexane (gamma) (Lindane)	58-89-9	0.2 [b]	2.0 [a]	1.34 [a]
Hexachlorocyclohexane (technical)	319-86-8	0.0123	0.0414	0.0414
Hexachlorocyclopentadiene	77-47-4	50 [d]	17,000	17,000
Hexachloroethane	67-72-1	84.2 [a]	278 [a]	185 [a]
Hexachlorophene	70-30-4	0.0531 [a]	0.053 [a]	0.036 [a]
Indeno(1,2,3-cd)pyrene	193-39-5	0.038	0.18	0.18

Human Health Surface Water Risk-Based Exposure Limits (^{SW}RBELs)				
Compound	**CASRN**	**Water and Freshwater Fish (µg/L)**	**Freshwater Fish Only (µg/L)**	**Saltwater Fish Only (µg/L)**
Isophorone	78-59-1	350	9,600	9,600
Lead	7439-92-1	4.98 [a,c]	25.3 [a,c]	16.9 [a,c]
Manganese	7439-96-5	50	100	100
Mercury	7439-97-6	0.0122 [a]	0.0122 [a]	0.0250 [a]
Methoxychlor	72-43-5	2.21 [a]	2.22 [a]	1.48 [a]
Methyl Bromide	74-83-9	47	1,500	1,500
2-Methyl-4,6-Dinitrophenol	534-52-1	13	280	280
Methyl Ethyl Ketone	78-93-3	52,917 [a]	9,940,000 [a]	6,630,000 [a]
Methylene Chloride	75-09-2	5 [d]	5,900	5,900
Nickel	7440-02-0	610	4,600	4,600
Nitrate-Nitrogen as total Nitrogen	14797-55-8	10,000 [b]	—	—
Nitrobenzene	98-95-3	37.3 [a]	233 [a]	156 [a]
N-Nitrosodiethylamine	55-18-5	0.0382 [a]	7.68 [a]	5.12 [a]
N-Nitroso-di-n-Butylamine	924-16-3	1.84 [a]	13.5 [a]	8.98 [a]
N-Nitrosodimethylamine	62-75-9	0.0069	30	30
N-Nitroso-di-n-propylamine	621-64-7	0.05	5.1	5.1
N-Nitrosodiphenylamine	86-30-6	33	60	60
N-Nitrosopyrrolidine	930-55-2	0.016	34	34
PCB's (Polychlorinated Biphenyls)	1336-36-3	0.0013 [a]	0.0013 [a]	8.85E-04 [a]
Pentachlorobenzene	608-93-5	6.1 [a]	6.68 [a]	4.45 [a]
Pentachlorophenol	87-86-5	1.0 [b]	135 [a]	90 [a]
Phenol	108-95-2	21,000	1,700,000	1,700,000
Pyrene	129-00-0	830	4,000	4,000
Pyridine	110-86-1	88.1 [a]	13,333 [a]	8,889 [a]
Selenium	7782-49-2	50 [b]	—	—
1,2,4,5-Tetrachlorobenzene	95-94-3	0.241 [a]	0.243 [a]	0.162 [a]
1,1,2,2-Tetrachloroethane	79-34-5	1.7	40	40
Tetrachloroethylene	127-18-4	5 [b]	323 [a]	215 [a]
Thallium	7440-28-0	1.7	6.3	6.3
Toluene	108-88-3	1,000 [d]	200,000	200,000

Human Health Surface Water Risk-Based Exposure Limits (^{SW}RBELs)				
Compound	**CASRN**	**Water and Freshwater Fish (µg/L)**	**Freshwater Fish Only (µg/L)**	**Saltwater Fish Only (µg/L)**
Toxaphene	8001-35-2	0.005 [a]	0.014 [a]	0.009 [a]
2,4,5-TP (Silvex)	93-72-1	47 [a]	50.3 [a]	33.6 [a]
1,2,4-Trichlorobenzene	120-82-1	70 [d]	940	940
2,4,5-Trichlorophenol	95-95-4	953 [a]	1,069 [a]	712 [a]
2,4,6-Trichlorophenol	88-06-2	14	24	24
1,1,1-Trichloroethane	71-55-6	200 [b]	12,586 [a]	8,391 [a]
1,1,2-Trichloroethane	79-00-5	5 [d]	160	160
Trichloroethylene	79-01-6	5 [b]	612 [a]	408 [a]
TTHM (Sum of total trihalomethanes)		100 [b]	—	—
bromodichloromethane	75-27-4			
dibromochloromethane	124-48-1			
tribromomethane (bromoform)	75-25-2	—	—	—
trichloromethane (chloroform)	67-66-3			
Vinyl Chloride	75-01-4	2 [b]	415 [a]	277 [a]
Zinc	7440-66-6	7,400	26,000	26,000

[a] Based on Texas Surface Water Quality Standard (see 30 TAC §307 for more information), if no reference, the value is based on EPA National Recommended Water Quality Criteria for Priority and Non Priority Pollutants (see Section 3.3.3). Source: U.S. EPA. 2002. National Recommended Water Quality Criteria: 2002. Office of Water. EPA-822-R-02-047. November 2002.

[b] Based on Maximum Contaminant Levels (MCLs) specified in 30 TAC §290, and referenced as so in 30 TAC §307. Applies to the "Water and Freshwater Fish" value.

[c] Indicates the criteria are for the dissolved fraction in water. All other criteria are for total recoverable concentrations.

[d] Based on Maximum Contaminant Levels (MCLs) specified in 30 TAC §290. Applies to the "Water and Freshwater Fish" value.