**NOTICE OF PROPOSED EXPEDITED RULEMAKING**

**TITLE 18. ENVIRONMENTAL QUALITY**

**CHAPTER 7. DEPARTMENT OF ENVIRONMENTAL QUALITY**

**REMEDIAL ACTION**

## PREAMBLE

**1. Permission to proceed with this proposed rulemaking granted under A.R.S. § 41-1039(A) by the governor on:**

July 31, 2023

**2.**

| Articles, Parts, or Sections Affected (as applicable) | Rulemaking Action |
|---|---|
| R18-7-201 | Amend |
| R18-7-202 | Amend |
| R18-7-205 | Amend |
| Appendix B | Repealed |
| R18-7-301 | Amend |
| R18-7-503 | Amend |
| R18-7-506 | Amend |
| R18-7-507 | Amend |

**3. Citations to the agency's statutory rulemaking authority to include the authorizing statute (general) and the implementing statute (specific):**

Authorizing statutes: A.R.S. §§ 41-1003 and 49-104(B)(4).

Implementing statutes: A.R.S. §§ 49-104(B)(16), 49-152(A)(1), 49-152(K), 49-152(M), 49-158(G), 49-158(J), 49-179, 49-186, 49-285.01(H), and Laws 2000, Chapter 225, §13.

**4. Citations to all related notices published in the *Register* as specified in R1-1-409(A) that pertain to the record of the proposed rule:**

Notice of Rulemaking Docket Opening: 29 A.A.R. 3443, October 27, 2023, Issue Number: 43, File Number: R23-208.

**5. The agency's contact person who can answer questions about the rulemaking:**


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**6. An agency's justification and reason why a rule should be made, amended, repealed, or renumbered, to include an explanation about the rulemaking:**

**Summary**

ADEQ is engaged in this expedited rulemaking to incorporate the changes proposed in the Department's five-year review of 18 A.A.C. Chapter 7, Remedial Action, approved by the Governor's Regulatory Review Council (GRRC) on August 26, 2022, and make additional corrections to citations and typographical errors identified in the course of this rulemaking. During the five-year review, the Department determined that there were rules and sections in this Chapter that were obsolete and could be removed, and sections that could be updated for clarity and provide modernized payment and communication options.

**Background**

During the five-year review, ADEQ determined Appendix B should be repealed, and references to it removed, as it has become obsolete. The objective of Appendix B was to preserve the list of contaminants of concern and soil cleanup levels for certain grandfathered sites from the 1997 rules. Sites that were characterized before May 5, 2007 had the option to use Appendix B, and then had three years to meet the 1997 Soil Remediation Levels (SRLs) in Appendix B. After that date, the updated SRLs from Appendix A applied to these sites. No sites now exist that were characterized before May 5, 2007, where soil remediation can still be conducted with Appendix B standards. This rulemaking follows through with changes the Department recommended in the five-year review by repealing Appendix B and references to it in R18-7-201, R18-7-202, and R18-7-205(A).

The Department also determined in the five-year review that additional changes were appropriate in order to improve the clarity and understandability of the rules. The five-year review identified a web link to an Environmental Protection Agency (EPA) guidance document in the definition of "carcinogen" in R18-7-201 that was outdated. The guidance document remains the same but the link has been updated in order to improve clarity and understandability of the rule. Additionally, as recommended in the five-year review, R18-7-301(F) has been updated to include a weblink to the location in which the legal notices described in the section can be found.

In order to improve the rules' effect in achieving their objective, the Department recommended modernizing portions of the rule to provide additional payment and communication options. This rulemaking updates R18-7-503 to allow for Automated Clearing House (ACH) or wire transfers for payment of deposits for the Voluntary Remediation Program (VRP). This rulemaking also updates R18-7-506 and R18-7-507 to allow for emailing of billing statements for the VRP and removing the option to fax billing statements. Additionally, in the course of conducting this rulemaking a typographical error was identified in the R18-7-506 in the spelling of 'calendar', which has been corrected.

An expedited rulemaking is appropriate pursuant to A.R.S. § 41-1027(A)(3) and (A)(6) as this rulemaking corrects typographical errors, clarifies language without changing the effect of the rules, and amends or appeals outdated sections of the rules that are no longer necessary; it will not increase the cost of regulatory compliance, increase a fee, or reduce procedural rights of those regulated. The following table summarizes the amendments and their justifications under § 41-1027(A):

| **Rule** | **Justification under A.R.S. § 41-1027(A)** | **Amendment Summary** |
|---|---|---|
| R18-7-201 | A.R.S. § 41-1027(A)(6)<br><br>A.R.S. § 41-1027(A)(6) | The text in the "soil remediation level" definition related to Appendix B has been removed.<br><br>The EPA guidance document link has been updated as the prior link was no longer active. |
| R18-7-202 | A.R.S. § 41-1027(A)(6) | Text related to Appendix B has been removed in subsection (E). |
| R18-7-205 | A.R.S. § 41-1027(A)(6) | Reference to Appendix B has been removed in subsection (A). |
| Appendix B | A.R.S. § 41-1027(A)(6) | Appendix B has been repealed. This Appendix has become outdated because no existing sites were characterized before May 5, 2010, where soil remediation could still be conducted with Appendix B standards. |
| R18-7-301 | A.R.S. § 41-1027(A)(3) | Language has been added to subsection (F) specifying where required publication of legal notices may be found. |
| R18-7-503 | A.R.S. § 41-1027(A)(6) | ACH and wire transfers have been added as options for payment of deposits to modernize the requirement and meet the rule objective. |
| R18-7-506 | A.R.S. § 41-1027(A)(6)<br><br>A.R.S. § 41-1027(A)(6) | The spelling of calendar has been corrected.<br><br>Email has been added and fax has been removed as an option for statement communication to modernize the requirement and meet the rule objective. |
| R18-7-507 | A.R.S. § 41-1027(A)(6) | Email has been added and fax has been removed as an option for statement communication to modernize the requirement and meet the rule objective. |

**7. A reference to any study relevant to the rule that the agency reviewed and proposes either to rely on or not to rely on in its evaluation of or justification for the rule, where the public may obtain or review each study, all data underlying each study, and any analysis of each study and other supporting material:**

Not applicable.

**8. A showing of good cause why the rulemaking is necessary to promote a statewide interest if the rulemaking will diminish a previous grant of authority of a political subdivision of this state:**

Not applicable.

**9. The preliminary summary of the economic, small business, and consumer impact:**

Not applicable. The agency is exempt from the requirements to prepare and file an economic, small business, and consumer impact statement under A.R.S. § 41-1055(D)(2).

**10. Where, when, and how a person may provide written comments on the proposed expedited rule:**

Close of Comment: 30 days from publication of *Administrative Register*.

Oral Proceeding: No oral proceeding is scheduled. A hearing may be requested according to A.R.S. § 41-123(C) by sending a request to wasterulemaking@azdeq.gov before the close of comment.

Written comments may be sent to waserulmaking@azdeq.gov or to the individual listed in item 5 no later than the close of comment.

**11. All agencies shall list other matters prescribed by statute applicable to the specific agency or to any specific rule or class of rules. Additionally, an agency subject to Council review under A.R.S. §§ 41-1052 and 41-1055 shall respond to the following questions:**

Not applicable.

**a. Whether the rule requires a permit, whether a general permit is used and if not, the reasons why a general permit is not used:**

Not applicable, this rule does not prescribe a permit.

**b. Whether a federal law is applicable to the subject of the rule, whether the rule is more stringent than federal law and if so, citation to the statutory authority to exceed the requirements of federal law:**

These rules relate to the state VRP and Water Quality Assurance Revolving Fund (WQARF) programs, which are state only programs adopted by the Arizona Legislature. The federal Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) is similar to Arizona's VRP and WQARF programs, however there are no federal or state requirements that those programs be consistent with CERCLA.

**c. Whether a person submitted an analysis to the agency that compares the rule's impact of the competitiveness of business in this state to the impact on business in other states:**

No analysis was submitted to the Department.

**12. A list of any incorporated by reference material as specified in A.R.S. § 41-1028 and its location in the rules:**

None.

**13. The full text of the rules follows:**

Rule text begins on the next page.

## TITLE 18. ENVIRONMENTAL QUALITY

## CHAPTER 7. DEPARTMENT OF ENVIRONMENTAL QUALITY REMEDIAL ACTION

### ARTICLE 2. SOIL REMEDIATION STANDARDS

Section



### ARTICLE 3. PROSPECTIVE PURCHASER AGREEMENT

Section



### ARTICLE 5. VOLUNTARY REMEDIATION PROGRAM

Section



### ARTICLE 2. SOIL REMEDIATION STANDARDS

**R18-7-201. Definitions**

In addition to the definitions provided in A.R.S. §§ 49-151 and 49-152, the following definitions apply in this Article:

1. No Change
2. No Change
3. "Carcinogen" or "carcinogenic" means the potential of a contaminant to cause cancer in humans as determined by lines of evidence in accordance with a narrative classification in "Guidelines for Carcinogen Risk Assessment", EPA/630/P-03/001F, March 2005, (and no future editions), which is incorporated by reference. "Guidelines for Carcinogen Risk Assessment" is available from ADEQ and at ~~http://cfpub.epa.gov/ncea/raf/recordisplay.cfm?deid=116283~~ .
4. No Change
5. No Change
6. No Change
7. No Change
8. No Change
9. No Change
10. No Change
11. No Change

12. No Change
13. No Change
14. No Change
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34. No Change
35. No Change
36. No Change
37. No Change
38. No Change
39. No Change
40. No Change
41. No Change
42. "Soil remediation level" or "SRL" means a pre-determined risk-based standard based upon the total contaminant concentration in soil, developed pursuant to A.R.S. § 49-152(A)(1) and listed in Appendix A ~~or, as applicable, in Appendix B~~.
43. No Change
44. No Change
45. No Change
46. No Change

**R18-7-202. Applicability**

**A.** No Change
1. No change
2. No Change
3. No change
4. No Change
5. No Change
6. No Change
7. No Change

**B.** No Change

**C.** No Change

**D.** No Change

**E.** A person who is remediating a site shall comply with the numeric soil remediation standards identified in ~~either~~ Appendix A ~~or Appendix B if both of the following conditions are met. If either subsection (1) or subsection (2)~~

~~is not met, a person who is remediating a site shall comply with the numeric soil remediation standards identified in Appendix A.~~

~~1. The site was characterized before May 5, 2007. A site is considered characterized when the laboratory analytical results of the soil samples delineating the nature, degree, and extent of soil contamination have been received by the person conducting the remediation.~~

~~2. The site was remediated or a risk assessment completed before May 5, 2010. A risk assessment or remediation is considered completed when site closure, that meets the conditions in R18-7-209, has been requested.~~

**F.** No Change

1. No Change
2. No Change

**G.** No Change

1. No Change
2. No Change
3. No Change
4. No Change
5. No Change
6. No Change
7. No Change
8. No Change

**R18-7-205. Pre-determined Remediation Standards**

**A.** A person may elect to remediate to the residential or non-residential soil remediation levels (SRLs) in Appendix A. ~~If allowed under R18-7-202(E), a person may also elect to remediate to the residential or non-residential SRLs in Appendix B.~~

**B.** No Change

**C.** No Change

**D.** No Change

**E.** No Change

**F.** No Change

**Appendix B.** ~~**1997 Soil Remediation Levels (SRLs)**~~ Repealed

| | ~~Chemical Name~~ | ~~CAS Number~~ | ~~Cancer Group~~ | ~~Residential (mg/kg)~~ | ~~Non-residential (mg/kg)~~ |
|---|---|---|---|---|---|
| | ~~A~~ | | | | |
| ~~1~~ | ~~Acenaphthene~~ | ~~83329~~ | ~~D~~ | ~~3900.0~~ | ~~41000.0~~ |
| ~~2~~ | ~~Acephate~~ | ~~30560191~~ | ~~C~~ | ~~260.0~~ | ~~2200.0~~ |
| ~~3~~ | ~~Acetaldehyde~~ | ~~75070~~ | ~~B2~~ | ~~39.0~~ | ~~150.0~~ |
| ~~4~~ | ~~Acetochlor~~ | ~~34256821~~ | ~~D~~ | ~~1300.0~~ | ~~14000.0~~ |
| ~~5~~ | ~~Acetone~~ | ~~67641~~ | ~~D~~ | ~~2100.0~~ | ~~8800.0~~ |
| ~~6~~ | ~~Acetone cyanohydrin~~ | ~~75865~~ | ~~D~~ | ~~52.0~~ | ~~550.0~~ |
| ~~7~~ | ~~Acetonitrile~~ | ~~75058~~ | ~~D~~ | ~~220.0~~ | ~~1200.0~~ |
| ~~8~~ | ~~Acetophenone~~ | ~~98862~~ | ~~D~~ | ~~0.49~~ | ~~1.6~~ |
| ~~9~~ | ~~Acifluorfen~~ | ~~62476599~~ | ~~D~~ | ~~850.0~~ | ~~8900.0~~ |
| ~~10~~ | ~~Acrolein~~ | ~~107028~~ | ~~C~~ | ~~0.10~~ | ~~0.34~~ |
| ~~11~~ | ~~Acrylamide~~ | ~~79061~~ | ~~B2~~ | ~~0.98~~ | ~~4.2~~ |
| ~~12~~ | ~~Acrylic acid~~ | ~~79107~~ | ~~D~~ | ~~31000.0~~ | ~~290000.0~~ |
| ~~13~~ | ~~Acrylonitrile~~ | ~~107131~~ | ~~B1~~ | ~~1.9~~ | ~~4.7~~ |

| | | | | | |
|---|---|---|---|---|---|
| 14 | Alachlor | 15972608 | B2 | 55.0 | 240.0 |
| 15 | Alar | 1596845 | D | 9800.0 | 100000.0 |
| 16 | Aldicarb | 116063 | D | 65.0 | 680.0 |
| 17 | Aldicarb sulfone | 1646884 | D | 65.0 | 680.0 |
| 18 | Aldrin | 309002 | B2 | 0.26 | 1.1 |
| 19 | Ally | 74223-64-6 | D | 16000.0 | 170000.0 |
| 20 | Allyl alcohol | 107186 | D | 330.0 | 3400.0 |
| 21 | Allyl chloride | 107051 | C | 3200.0 | 33000.0 |
| 22 | Aluminum | 7429905 | D | 77000.0 | 1000000.0 |
| 23 | Aluminum phosphide | 20859738 | D | 31.0 | 680.0 |
| 24 | Amdro | 67485294 | D | 20.0 | 200.0 |
| 25 | Ametryn | 834128 | D | 590.0 | 6100.0 |
| 26 | mAminophenol | 591275 | D | 4600.0 | 48000.0 |
| 27 | 4Aminopyridine | 504245 | D | 1.3 | 14.0 |
| 28 | Amitraz | 33089611 | D | 160.0 | 1700.0 |
| 29 | Ammonia | 7664417 | D | 2200.0 | 58000.0 |
| 30 | Ammonium sulfamate | 7773060 | D | 13000.0 | 140000.0 |
| 31 | Aniline | 62533 | B2 | 19.0 | 200.0 |
| 32 | Anthracene | 120127 | D | 20000.0 | 200000.0 |
| 33 | Antimony and compounds | 7440360 | D | 31.0 | 680.0 |
| 34 | Antimony pentoxide | 1314609 | D | 38.0 | 850.0 |
| 35 | Antimony potassium tartrate | 28300745 | D | 69.0 | 1500.0 |
| 36 | Antimony tetroxide | 1332816 | D | 31.0 | 680.0 |
| 37 | Antimony trioxide | 1309644 | D | 31.0 | 680.0 |
| 38 | Apollo | 74115245 | C | 850.0 | 8900.0 |
| 39 | Aramite | 140578 | B2 | 180.0 | 760.0 |
| 40 | ~Arsenic | 7440382 | A | 10.0 | 10.0 |
| 41 | Assure | 76578148 | D | 590.0 | 6100.0 |
| 42 | Asulam | 3337711 | D | 3300.0 | 34000.0 |
| 43 | Atrazine | 1912249 | C | 20.0 | 86.0 |
| 44 | Avermectin B1 | 71751-41-2 | D | 26.0 | 270.0 |
| 45 | Azobenzene | 103333 | B2 | 40.0 | 170.0 |
| | **B** | | | | |
| 46 | Barium and compounds | 7440393 | D | 5300.0 | 110000.0 |
| 47 | Barium cyanide | 542621 | D | 7700.0 | 170000.0 |
| 48 | Baygon | 114261 | D | 260.0 | 2700.0 |
| 49 | Bayleton | 43121433 | D | 2000.0 | 20000.0 |
| 50 | Baythroid | 68359375 | D | 1600.0 | 17000.0 |
| 51 | Benefin | 1861401 | D | 20000.0 | 200000.0 |
| 52 | Benomyl | 17804352 | D | 3300.0 | 34000.0 |
| 53 | Bentazon | 25057890 | D | 160.0 | 1700.0 |
| 54 | Benzaldehyde | 100527 | D | 6500.0 | 68000.0 |
| 55 | Benz[a]anthracene | 56553 | B2 | 6.1 | 26.0 |
| 56 | Benzene | 71432 | A | 0.62 | 1.4 |
| 57 | Benzidine | 92875 | A | 0.0019 | 0.0083 |
| 58 | Benzo[a]pyrene | 50328 | B2 | 0.61 | 2.6 |

| | | | | | |
|---|---|---|---|---|---|
| 59 | Benzo[b]fluoranthene | 205992 | B2 | 6.1 | 26.0 |
| 60 | Benzoic acid | 65850 | D | 260000.0 | 1000000.0 |
| 61 | Benzo[k]fluoranthene | 207089 | B2 | 61.0 | 260.0 |
| 62 | Benzotrichloride | 98077 | B2 | 0.34 | 1.5 |
| 63 | Benzyl alcohol | 100516 | D | 20000.0 | 200000.0 |
| 64 | Benzyl chloride | 100447 | B2 | 8.0 | 20.0 |
| 65 | Beryllium and compounds | 7440417 | B2 | 1.4 | 11.0 |
| 66 | Bidrin | 141662 | D | 6.5 | 68.0 |
| 67 | Biphenthrin (Talstar) | 82657043 | D | 980.0 | 10000.0 |
| 68 | 1,1Biphenyl | 92524 | D | 3300.0 | 34000.0 |
| 69 | Bis(2chloroethyl)ether | 111444 | B2 | 0.43 | 0.97 |
| 70 | Bis(2chloroisopropyl)ether | 39638329 | C | 25.0 | 67.0 |
| 71 | Bis(chloromethyl)ether | 542881 | A | 0.0002 | 0.0004 |
| 72 | Bis(2chloro1methylethyl)ether | 108601 | C | 63.0 | 270.0 |
| 73 | Bis(2ethylhexyl)phthalate (DEHP) | 117817 | B2 | 320.0 | 1400.0 |
| 74 | Bisphenol A | 80057 | D | 3300.0 | 34000.0 |
| 75 | Boron | 7440428 | D | 5900.0 | 61000.0 |
| 76 | Bromodichloromethane | 75274 | B2 | 6.3 | 14.0 |
| 77 | Bromoform (tribromomethane) | 75252 | B2 | 560.0 | 2400.0 |
| 78 | Bromomethane | 74839 | D | 6.8 | 23.0 |
| 79 | Bromophos | 2104963 | D | 330.0 | 3400.0 |
| 80 | Bromoxynil | 1689845 | D | 1300.0 | 14000.0 |
| 81 | Bromoxynil octanoate | 1689992 | D | 1300.0 | 14000.0 |
| 82 | 1,3Butadiene | 106990 | B2 | 0.064 | 0.14 |
| 83 | 1Butanol | 71363 | D | 6500.0 | 68000.0 |
| 84 | Butylate | 2008415 | D | 3300.0 | 34000.0 |
| 85 | Butyl benzyl phthalate | 85687 | C | 13000.0 | 140000.0 |
| 86 | Butylphthalyl butylglycolate C | 85701 | D | 65000.0 | 680000.0 |
| 87 | Cacodylic acid | 75605 | D | 200.0 | 2000.0 |
| 88 | Cadmium and compounds | 7440439 | B1 | 38.0 | 850.0 |
| 89 | Calcium cyanide | 592018 | D | 3100.0 | 68000.0 |
| 90 | Caprolactam | 105602 | D | 33000.0 | 340000.0 |
| 91 | Captafol | 2425061 | C | 130.0 | 1400.0 |
| 92 | Captan | 133062 | D | 1300.0 | 5500.0 |
| 93 | Carbaryl | 63252 | D | 6500.0 | 68000.0 |
| 94 | Carbazole | 86748 | B2 | 220.0 | 950.0 |
| 95 | Carbofuran | 1563662 | E | 330.0 | 3400.0 |
| 96 | Carbon disulfide | 75150 | D | 7.5 | 24.0 |
| 97 | Carbon tetrachloride | 56235 | B2 | 1.6 | 5.0 |
| 98 | Carbosulfan | 55285148 | D | 650.0 | 6800.0 |
| 99 | Carboxin | 5234684 | D | 6500.0 | 68000.0 |
| 100 | Chloral (hydrate) | 302170 | D | 130.0 | 1400.0 |
| 101 | Chloramben | 133904 | D | 980.0 | 10000.0 |
| 102 | Chloranil | 118752 | C | 11.0 | 47.0 |
| 103 | Chlordane | 12789-03-6 | B2 | 3.4 | 15.0 |

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|---|---|---|---|---|---|
| 104 | Chlorimuronethyl | 90982324 | D | 1300.0 | 14000.0 |
| 105 | Chlorine cyanide | 506774 | D | 3800.0 | 85000.0 |
| 106 | Chloroacetic acid | 79118 | D | 130.0 | 1400.0 |
| 107 | 2Chloroacetophenone | 532274 | D | 0.56 | 5.9 |
| 108 | 4Chloroaniline | 106478 | D | 260.0 | 2700.0 |
| 109 | Chlorobenzene | 108907 | D | 65.0 | 220.0 |
| 110 | Chlorobenzilate | 510156 | B2 | 16.0 | 71.0 |
| 111 | pChlorobenzoic acid | 74113 | D | 13000.0 | 140000.0 |
| 112 | 4Chlorobenzotrifluoride | 98566 | D | 1300.0 | 14000.0 |
| 113 | 2Chloro1,3butadiene | 126998 | D | 3.6 | 12.0 |
| 114 | 1Chlorobutane | 109693 | D | 710.0 | 2400.0 |
| 115 | * 1Chloro1,1difluoroethane | 75683 | D | 2800.0 | 2800.0 |
| 116 | * Chlorodifluoromethane | 75456 | D | 2800.0 | 2800.0 |
| 117 | Chloroform | 67663 | B2 | 2.5 | 5.3 |
| 118 | Chloromethane | 74873 | C | 12.0 | 26.0 |
| 119 | 4Chloro2methylaniline | 95692 | B2 | 7.7 | 33.0 |
| 120 | 4Chloro2methylaniline hydrochloride | 3165933 | B2 | 9.7 | 41.0 |
| 121 | betaChloronaphthalene | 91587 | D | 5200.0 | 55000.0 |
| 122 | oChloronitrobenzene | 88733 | B2 | 180.0 | 760.0 |
| 123 | pChloronitrobenzene | 100005 | B2 | 250.0 | 1100.0 |
| 124 | 2Chlorophenol | 95578 | D | 91.0 | 370.0 |
| 125 | 2Chloropropane | 75296 | D | 170.0 | 580.0 |
| 126 | Chlorothalonil | 1897456 | B2 | 400.0 | 1700.0 |
| 127 | * oChlorotoluene | 95498 | D | 160.0 | 550.0 |
| 128 | Chlorpropham | 101213 | D | 13000.0 | 140000.0 |
| 129 | Chlorpyrifos | 2921882 | D | 200.0 | 2000.0 |
| 130 | Chlorpyrifosmethyl | 5598130 | D | 650.0 | 6800.0 |
| 131 | Chlorsulfuron | 64902723 | D | 3300.0 | 34000.0 |
| 132 | Chlorthiophos | 60238564 | D | 52.0 | 550.0 |
| 133 | Chromium, Total (1/6 ratio Cr VI/Cr III) | N/A | D | 2100.0 | 4500.0 |
| 134 | Chromium III | 16065831 | D | 77000.0 | 1000000.0 |
| 135 | Chromium VI | 7440473 | A | 30.0 | 64.0 |
| 136 | Chrysene | 218019 | B2 | 610.0 | 2600.0 |
| 137 | Cobalt | 7440484 | D | 4600.0 | 97000.0 |
| 138 | Copper and compounds | 7440508 | D | 2800.0 | 63000.0 |
| 139 | Copper cyanide | 544923 | D | 380.0 | 8500.0 |
| 140 | Crotonaldehyde | 123739 | C | 0.052 | 0.11 |
| 141 | Cumene | 98828 | D | 19.0 | 62.0 |
| 142 | Cyanazine | 21725462 | D | 5.3 | 23.0 |
| 143 | Cyanide, Free | 57125 | D | 1300.0 | 14000.0 |
| 144 | Cyanogen | 460195 | D | 2600.0 | 27000.0 |
| 145 | Cyanogen bromide | 506683 | D | 5900.0 | 61000.0 |
| 146 | Cyanogen chloride | 506774 | D | 3300.0 | 34000.0 |
| 147 | Cyclohexanone | 108941 | D | 330000.0 | 1000000.0 |
| 148 | Cyclohexylamine | 108918 | D | 13000.0 | 140000.0 |
| 149 | Cyhalothrin/Karate | 68085858 | D | 330.0 | 3400.0 |

| | | | | | |
|---|---|---|---|---|---|
| 150 | Cypermethrin | 52315078 | D | 650.0 | 6800.0 |
| 151 | Cyromazine | 66215278 | D | 490.0 | 5100.0 |
| | D | | | | |
| 152 | Dacthal | 1861321 | D | 650.0 | 6800.0 |
| 153 | Dalapon | 75990 | D | 2000.0 | 20000.0 |
| 154 | Danitol | 39515418 | D | 1600.0 | 17000.0 |
| 155 | DDD | 72548 | B2 | 19.0 | 80.0 |
| 156 | DDE | 72559 | B2 | 13.0 | 56.0 |
| 157 | DDT | 50293 | B2 | 13.0 | 56.0 |
| 158 | Decabromodiphenyl ether | 1163195 | C | 650.0 | 6800.0 |
| 159 | Demeton | 8065483 | D | 2.6 | 27.0 |
| 160 | Diallate | 2303164 | B2 | 73.0 | 310.0 |
| 161 | Diazinon | 333415 | E | 59.0 | 610.0 |
| 162 | Dibenz[ah]anthracene | 53703 | B2 | 0.61 | 2.6 |
| 163 | Dibenzofuran | 132649 | D | 260.0 | 2700.0 |
| 164 | 1,4Dibromobenzene | 106376 | D | 650.0 | 6800.0 |
| 165 | Dibromochloromethane | 124481 | C | 53.0 | 230.0 |
| 166 | 1,2Dibromo3chloropropane | 96128 | B2 | 3.2 | 14.0 |
| 167 | 1,2Dibromoethane | 106934 | B2 | 0.049 | 0.2 |
| 168 | Dibutyl phthalate | 84742 | D | 6500.0 | 68000.0 |
| 169 | Dicamba | 1918009 | D | 2000.0 | 20000.0 |
| 170 | * 1,2Dichlorobenzene | 95501 | D | 1100.0 | 3900.0 |
| 171 | * 1,3Dichlorobenzene | 541731 | D | 500.0 | 2000.0 |
| 172 | 1,4Dichlorobenzene | 106467 | C | 190.0 | 790.0 |
| 173 | 3,3Dichlorobenzidine | 91941 | B2 | 9.9 | 42.0 |
| 174 | 1,4Dichloro2butene | 764410 | B2 | 0.074 | 0.17 |
| 175 | Dichlorodifluoromethane | 75718 | D | 94.0 | 310.0 |
| 176 | 1,1Dichloroethane | 75343 | C | 500.0 | 1700.0 |
| 177 | 1,2Dichloroethane (EDC) | 107062 | B2 | 2.5 | 5.5 |
| 178 | 1,1Dichloroethylene | 75354 | C | 0.36 | 0.8 |
| 179 | 1,2Dichloroethylene (cis) | 156592 | D | 31.0 | 100.0 |
| 180 | 1,2Dichloroethylene (trans) | 156605 | D | 78.0 | 270.0 |
| 181 | 1,2Dichloroethylene (mixture) | 540590 | D | 35.0 | 120.0 |
| 182 | 2,4Dichlorophenol | 120832 | D | 200.0 | 2000.0 |
| 183 | 4(2,4Dichlorophenoxy)butyric Acid (2,4DB) | 94826 | D | 520.0 | 5500.0 |
| 184 | 2,4Dichlorophenoxyacetic Acid (2,4D) | 94757 | D | 650.0 | 6800.0 |
| 185 | 1,2Dichloropropane | 78875 | B2 | 3.1 | 6.8 |
| 186 | 1,3Dichloropropene | 542756 | B2 | 2.4 | 5.5 |
| 187 | 2,3Dichloropropanol | 616239 | D | 200.0 | 2000.0 |
| 188 | Dichlorvos | 62737 | B2 | 15.0 | 66.0 |
| 189 | Dicofol | 115322 | C | 10.0 | 43.0 |
| 190 | Dieldrin | 60571 | B2 | 0.28 | 1.2 |
| 191 | Diethylene glycol, monobutyl ether | 112345 | D | 370.0 | 3900.0 |
| 192 | Diethylene glycol, monoethyl ether | 111900 | D | 130000.0 | 1000000.0 |
| 193 | Diethylformamide | 617845 | D | 720.0 | 7500.0 |

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|---|---|---|---|---|---|
| 194 | Di(2ethylhexyl)adipate | 103231 | C | 3700.0 | 16000.0 |
| 195 | Diethyl phthalate | 84662 | D | 52000.0 | 550000.0 |
| 196 | Diethylstilbestrol | 56531 | A | 0.0001 | 0.0004 |
| 197 | Difenzoquat (Avenge) | 43222486 | D | 5200.0 | 55000.0 |
| 198 | Diflubenzuron | 35367385 | D | 1300.0 | 14000.0 |
| 199 | Diisopropyl methylphosphonate | 1445756 | D | 5200.0 | 55000.0 |
| 200 | Dimethipin | 55290647 | C | 1300.0 | 14000.0 |
| 201 | Dimethoate | 60515 | D | 13.0 | 140.0 |
| 202 | 3,3'Dimethoxybenzidine | 119904 | B2 | 320.0 | 1400.0 |
| 203 | Dimethylamine | 124403 | D | 0.07 | 0.24 |
| 204 | NNDimethylaniline | 121697 | D | 130.0 | 1400.0 |
| 205 | 2,4Dimethylaniline | 95681 | C | 5.9 | 25.0 |
| 206 | 2,4Dimethylaniline hydrochloride | 21436964 | C | 7.7 | 33.0 |
| 207 | 3,3'Dimethylbenzidine | 119937 | B2 | 0.48 | 2.1 |
| 208 | 1,1Dimethylhydrazine (Hydrazine, dimethyl) | 57147 | B, C | 1.7 | 7.3 |
| 209 | 1,2Dimethylhydrazine | 540738 | B2 | 0.12 | 0.52 |
| 210 | N,NDimethylformamide | 68122 | D | 6500.0 | 68000.0 |
| 211 | 2,4Dimethylphenol | 105679 | D | 1300.0 | 14000.0 |
| 212 | 2,6Dimethylphenol | 576261 | D | 39.0 | 410.0 |
| 213 | 3,4Dimethylphenol | 95658 | D | 65.0 | 680.0 |
| 214 | Dimethyl phthalate | 131113 | D | 650000.0 | 1000000.0 |
| 215 | Dimethyl terephthalate | 120616 | D | 6500.0 | 68000.0 |
| 216 | 4,6Dinitrooecyclohexyl phenol | 131895 | D | 130.0 | 1400.0 |
| 217 | 1,3Dinitrobenzene | 99650 | D | 6.5 | 68.0 |
| 218 | 1,2Dinitrobenzene | 528290 | D | 26.0 | 270.0 |
| 219 | 1,4Dinitrobenzene | 100254 | D | 26.0 | 270.0 |
| 220 | 2,4Dinitrophenol | 51285 | D | 130.0 | 1400.0 |
| 221 | Dinitrotoluene mixture | 25321146 | B2 | 6.5 | 28.0 |
| 222 | 2,4Dinitrotoluene | 121142 | D | 130.0 | 1400.0 |
| 223 | 2,6Dinitrotoluene | 606202 | D | 65.0 | 680.0 |
| 224 | Dinoseb | 88857 | D | 65.0 | 680.0 |
| 225 | dinOctyl phthalate | 117840 | D | 1300.0 | 14000.0 |
| 226 | 1,4Dioxane | 123911 | B2 | 400.0 | 1700.0 |
| 227 | Diphenamid | 957517 | D | 2000.0 | 20000.0 |
| 228 | Diphenylamine | 122394 | D | 1600.0 | 17000.0 |
| 229 | 1,2Diphenylhydrazine | 122667 | B2 | 5.6 | 24.0 |
| 230 | Diquat | 85007 | D | 140.0 | 1500.0 |
| 231 | Direct black 38 | 1937377 | A | 0.052 | 0.22 |
| 232 | Direct blue 6 | 2602462 | A | 0.055 | 0.24 |
| 233 | Direct brown 95 | 16071866 | A | 0.048 | 0.21 |
| 234 | Disulfoton | 298044 | E | 2.6 | 27.0 |
| 235 | 1,4Dithiane | 505293 | D | 650.0 | 6800.0 |
| 236 | Diuron | 330541 | D | 130.0 | 1400.0 |
| 237 | Dodine | 2439103 | D | 260.0 | 2700.0 |
| | E | | | | |

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|---|---|---|---|---|---|
| 238 | Endosulfan | 115297 | D | 390.0 | 4100.0 |
| 239 | Endothall | 145733 | D | 1300.0 | 14000.0 |
| 240 | Endrin | 72208 | D | 20.0 | 200.0 |
| 241 | Epichlorohydrin | 106898 | B2 | 7.5 | 25.0 |
| 242 | 1,2Epoxybutane | 106887 | D | 370.0 | 3900.0 |
| 243 | EPTC (SEthyl dipropylthiocarbamate) | 759944 | D | 1600.0 | 17000.0 |
| 244 | Ethephon (2chloroethyl phosphonic acid) | 16672870 | D | 330.0 | 3400.0 |
| 245 | Ethion | 563122 | D | 33.0 | 340.0 |
| 246 | 2Ethoxyethanol | 110805 | D | 26000.0 | 270000.0 |
| 247 | 2Ethoxyethanol acetate | 111159 | D | 20000.0 | 200000.0 |
| 248 | * Ethyl acetate | 141786 | D | 18000.0 | 39000.0 |
| 249 | Ethyl acrylate | 140885 | B2 | 2.1 | 4.5 |
| 250 | * Ethylbenzene | 100414 | D | 1500.0 | 2700.0 |
| 251 | Ethylene cyanohydrin | 109784 | D | 20000.0 | 200000.0 |
| 252 | Ethylene diamine | 107153 | D | 1300.0 | 14000.0 |
| 253 | Ethylene glycol | 107211 | D | 130000.0 | 1000000.0 |
| 254 | Ethylene glycol, monobutyl ether | 111762 | D | 370.0 | 3900.0 |
| 255 | Ethylene oxide | 75218 | B1 | 1.3 | 3.2 |
| 256 | Ethylene thiourea (ETU) | 96457 | B2 | 5.2 | 55.0 |
| 257 | * Ethyl chloride | 75003 | D | 1100.0 | 4200.0 |
| 258 | * Ethyl ether | 60297 | D | 3800.0 | 3800.0 |
| 259 | * Ethyl methacrylate | 97632 | D | 210.0 | 690.0 |
| 260 | Ethyl pnitrophenyl phenylphosphorothioate | 2104645 | D | 0.65 | 6.8 |
| 261 | Ethylphthalyl ethyl glycolate | 84720 | D | 200000.0 | 1000000.0 |
| 262 | Express | 101200480 | D | 520.0 | 5500.0 |
| | F | | | | |
| 263 | Fenamiphos | 22224926 | D | 16.0 | 170.0 |
| 264 | Fluometuron | 2164172 | D | 850.0 | 8900.0 |
| 265 | Fluoranthene | 206440 | D | 2600.0 | 27000.0 |
| 266 | Fluorene | 86737 | D | 2600.0 | 27000.0 |
| 267 | Fluorine (soluble fluoride) | 7782414 | D | 3900.0 | 41000.0 |
| 268 | Fluoridone | 59756604 | D | 5200.0 | 55000.0 |
| 269 | Flurprimidol | 56425913 | D | 1300.0 | 14000.0 |
| 270 | Flutolanil | 66332965 | D | 3900.0 | 41000.0 |
| 271 | Fluvalinate | 69409945 | D | 650.0 | 6800.0 |
| 272 | Folpet | 133073 | B2 | 1300.0 | 5500.0 |
| 273 | Fomesafen | 72178020 | C | 23.0 | 100.0 |
| 274 | Fonofos | 944229 | D | 130.0 | 1400.0 |
| 275 | Formaldehyde | 50000 | B1 | 9800.0 | 100000.0 |
| 276 | Formic Acid | 64186 | D | 130000.0 | 1000000.0 |
| 277 | Fosetylal | 39148248 | C | 200000.0 | 1000000.0 |
| 278 | Furan | 110009 | D | 2.5 | 8.5 |
| 279 | Furazolidone | 67458 | B2 | 1.2 | 5.0 |
| 280 | Furfural | 98011 | D | 200.0 | 2000.0 |
| 281 | Furium | 531828 | B2 | 0.089 | 0.38 |

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|---|---|---|---|---|---|
| 282 | Furmecyclox | 60568050 | B2 | 150.0 | 640.0 |
| | **G** | | | | |
| 283 | Glufosinateammonium | 77182822 | D | 26.0 | 270.0 |
| 284 | Glycidaldehyde | 765344 | B2 | 26.0 | 270.0 |
| 285 | Glyphosate | 1071836 | D | 6500.0 | 68000.0 |
| | **H** | | | | |
| 286 | Haloxyfopmethyl | 69806402 | D | 3.3 | 34.0 |
| 287 | Harmony | 79277273 | D | 850.0 | 8900.0 |
| 288 | Heptachlor | 76448 | B2 | 0.99 | 4.2 |
| 289 | Heptachlor epoxide | 1024573 | B2 | 0.49 | 2.1 |
| 290 | Hexabromobenzene | 87821 | D | 130.0 | 1400.0 |
| 291 | Hexachlorobenzene | 118741 | B2 | 2.8 | 12.0 |
| 292 | Hexachlorobutadiene | 87683 | C | 13.0 | 140.0 |
| 293 | HCH (alpha) | 319846 | B2 | 0.71 | 3.0 |
| 294 | HCH (beta) | 319857 | C | 2.5 | 11.0 |
| 295 | HCH (gamma) Lindane | 58899 | B2C | 3.4 | 15.0 |
| 296 | HCHtechnical | 608731 | B2 | 2.5 | 11.0 |
| 297 | Hexachlorocyclopentadiene | 77474 | D | 450.0 | 4600.0 |
| 298 | Hexachlorodibenzopdioxin mixture (HxCDD) | 19408743 | B2 | 0.00072 | 0.0031 |
| 299 | Hexachloroethane | 67721 | C | 65.0 | 680.0 |
| 300 | Hexachlorophene | 70304 | D | 20.0 | 200.0 |
| 301 | Hexahydro1,3,5trinitro1,3,5triazine | 121824 | C | 40.0 | 170.0 |
| 302 | * nHexane | 110543 | D | 120.0 | 400.0 |
| 303 | Hexazinone | 51235042 | D | 2200.0 | 22000.0 |
| 304 | Hydrazine, hydrazine sulfate | 302012 | B2 | 1.5 | 6.4 |
| 305 | Hydrocarbons ($C_{10}$ to $C_{22}$) | N/A | N/A | 4100.0 | 18000.0 |
| 306 | Hydrogen chloride | 7647010 | D | 370.0 | 3900.0 |
| 307 | Hydrogen cyanide | 74908 | D | 11.0 | 35.0 |
| 308 | pHydroquinone | 123319 | D | 2600.0 | 27000.0 |
| | **I** | | | | |
| 309 | Imazalil | 35554440 | D | 850.0 | 8900.0 |
| 310 | Imazaquin | 81335377 | D | 16000.0 | 170000.0 |
| 311 | Indeno[1,2,3cd]pyrene | 193395 | B2 | 6.1 | 26.0 |
| 312 | Iprodione | 36734197 | D | 2600.0 | 27000.0 |
| 313 | * Isobutanol | 78831 | D | 11000.0 | 42000.0 |
| 314 | Isophorone | 78591 | C | 4700.0 | 20000.0 |
| 315 | Isopropalin | 33820530 | D | 980.0 | 10000.0 |
| 316 | Isopropyl methyl phosphonic acid | 1832548 | D | 6500.0 | 68000.0 |
| 317 | Isoxaben | 82558507 | C | 3300.0 | 34000.0 |
| | **K** | | | | |
| 318 | Kepone | 143500 | B, C | 0.25 | 1.1 |
| | **L** | | | | |
| 319 | Lactofen | 77501634 | D | 130.0 | 1400.0 |
| 320 | #Lead | 7439921 | B2 | 400.0 | 2000.0 |
| 321 | Lead (tetraethyl) | 78002 | D | 0.0065 | 0.068 |

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|---|---|---|---|---|---|
| 322 | Linuron | 330552 | C | 130.0 | 1400.0 |
| 323 | Lithium | 7439932 | D | 1500.0 | 34000.0 |
| 324 | Londax | 83055996 | D | 13000.0 | 140000.0 |
| | M | | | | |
| 325 | Malathion | 121755 | D | 1300.0 | 14000.0 |
| 326 | Maleic anhydride | 108316 | D | 6500.0 | 68000.0 |
| 327 | Maleic hydrazide | 123331 | D | 33000.0 | 340000.0 |
| 328 | Malononitrile | 109773 | D | 1.3 | 14.0 |
| 329 | Mancozeb | 8018017 | D | 2000.0 | 20000.0 |
| 330 | Maneb | 12427382 | D | 330.0 | 3400.0 |
| 331 | Manganese and compounds | 7439965 | D | 3200.0 | 43000.0 |
| 332 | Mephosfolan | 950107 | D | 5.9 | 61.0 |
| 333 | Mepiquat | 24307264 | D | 2000.0 | 20000.0 |
| 334 | Mercuric chloride | 7487947 | C | 23.0 | 510.0 |
| 335 | Mercury (elemental) | 7439976 | D | 6.7 | 180.0 |
| 336 | Mercury (methyl) | 22967926 | D | 6.5 | 68.0 |
| 337 | Merphos | 150505 | D | 2.0 | 20.0 |
| 338 | Merphos oxide | 78488 | D | 2.0 | 20.0 |
| 339 | Metalaxyl | 57837191 | D | 3900.0 | 41000.0 |
| 340 | Methacrylonitrile | 126987 | D | 2.0 | 8.1 |
| 341 | Methamidophos | 10265926 | D | 3.3 | 34.0 |
| 342 | Methanol | 67561 | D | 33000.0 | 340000.0 |
| 343 | Methidathion | 950378 | C | 65.0 | 680.0 |
| 344 | Methomyl | 16752775 | D | 1600.0 | 17000.0 |
| 345 | Methoxychlor | 72435 | D | 330.0 | 3400.0 |
| 346 | 2Methoxyethanol | 109864 | D | 65.0 | 680.0 |
| 347 | 2Methoxyethanol acetate | 110496 | D | 130.0 | 1400.0 |
| 348 | 2Methoxy5nitroaniline | 99592 | C | 97.0 | 410.0 |
| 349 | Methyl acetate | 79209 | D | 21000.0 | 88000.0 |
| 350 | Methyl acrylate | 96333 | D | 69.0 | 230.0 |
| 351 | 2Methylaniline (otoluidine) | 95-53-4 | B2 | 19.0 | 79.0 |
| 352 | 2Methylaniline hydrochloride | 636215 | B2 | 25.0 | 110.0 |
| 353 | Methyl chlorocarbonate | 79221 | D | 65000.0 | 680000.0 |
| 354 | 2Methyl4chlorophenoxyacetic acid | 94746 | D | 33.0 | 340.0 |
| 355 | 4(2Methyl4chlorophenoxy) butyric acid (MCPB) | 94815 | D | 650.0 | 6800.0 |
| 356 | 2(2Methyl4chlorophenoxy) propionic acid | 93652 | D | 65.0 | 680.0 |
| 357 | 2(2Methyl1,4chlorophenoxy) propionic acid (MCPP) | 16484778 | D | 65.0 | 680.0 |
| 358 | Methylcyclohexane | 108872 | D | 56000.0 | 590000.0 |
| 359 | 4,4'Methylenebisbenzenemine | 101779 | D | 18.0 | 76.0 |
| 360 | 4,4'Methylene bis(2chloroaniline) | 101144 | B2 | 34.0 | 150.0 |
| 361 | 4,4'Methylene bis(N,N'dimethyl)aniline | 101611 | B2 | 97.0 | 410.0 |
| 362 | Methylene bromide | 74953 | D | 650.0 | 6800.0 |
| 363 | Methylene chloride | 75092 | B2 | 77.0 | 180.0 |

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|---|---|---|---|---|---|
| 364 | Methyl ethyl ketone | 78933 | D | 7100.0 | 27000.0 |
| 365 | Methyl hydrazine | 60344 | B, C | 4.0 | 17.0 |
| 366 | Methyl isobutyl ketone | 108101 | D | 770.0 | 2800.0 |
| 367 | * Methyl methacrylate | 80626 | D | 760.0 | 2800.0 |
| 368 | 2Methyl5nitroaniline | 99558 | C | 130.0 | 580.0 |
| 369 | Methyl parathion | 298000 | D | 16.0 | 170.0 |
| 370 | 2Methylphenol | 95487 | C | 3300.0 | 34000.0 |
| 371 | 3Methylphenol | 108394 | C | 3300.0 | 34000.0 |
| 372 | 4Methylphenol | 106445 | C | 330.0 | 3400.0 |
| 373 | Methyl styrene (mixture) | 25013154 | D | 120.0 | 520.0 |
| 374 | * Methyl styrene (alpha) | 98839 | D | 890.0 | 3100.0 |
| 375 | Methyl tertbutyl ether (MTBE) | 1634044 | D | 320.0 | 3300.0 |
| 376 | Metolaclor (Dual) | 51218452 | D | 9800.0 | 100000.0 |
| 377 | Metribuzin | 21087649 | D | 1600.0 | 17000.0 |
| 378 | Mirex | 2385855 | B2 | 2.5 | 11.0 |
| 379 | Molinate | 2212671 | D | 130.0 | 1400.0 |
| 380 | Molybdenum | 7439987 | D | 380.0 | 8500.0 |
| 381 | Monochloramine | 10599903 | D | 6500.0 | 68000.0 |
| | **N** | | | | |
| 382 | Naled | 300765 | D | 130.0 | 1400.0 |
| 383 | Naphthalene | 91203 | D | 2600.0 | 27000.0 |
| 384 | Napropamide | 15299997 | D | 6500.0 | 68000.0 |
| 385 | Nickel and compounds | 7440020 | D | 1500.0 | 34000.0 |
| 386 | Nickel subsulfide | 12035722 | A | 5100.0 | 11000.0 |
| 387 | Nitrapyrin | 1929824 | D | 98.0 | 1000.0 |
| 388 | Nitrate | 14797558 | D | 100000.0 | 1000000.0 |
| 389 | Nitrite | 14797650 | D | 6500.0 | 68000.0 |
| 390 | 2Nitroaniline | 88744 | D | 3.9 | 41.0 |
| 391 | Nitrobenzene | 98953 | D | 18.0 | 94.0 |
| 392 | Nitrofurantoin | 67209 | D | 4600.0 | 48000.0 |
| 393 | Nitrofurazone | 59870 | B2 | 3.0 | 13.0 |
| 394 | Nitroguanidine | 556887 | D | 6500.0 | 68000.0 |
| 395 | NNitrosodinbutylamine | 924163 | B2 | 0.22 | 0.55 |
| 396 | NNitrosodiethanolamine | 1116547 | B2 | 1.6 | 6.8 |
| 397 | NNitrosodiethylamine | 55185 | B2 | 0.03 | 0.13 |
| 398 | NNitrosodimethylamine | 62759 | B2 | 0.087 | 0.37 |
| 399 | NNitrosodiphenylamine | 86306 | B2 | 910.0 | 3900.0 |
| 400 | NNitroso dinpropylamine | 621647 | B2 | 0.63 | 2.7 |
| 401 | NNitrosoNmethylethylamine | 10595956 | B2 | 0.20 | 0.87 |
| 402 | NNitrosopyrrolidine | 930552 | B2 | 2.1 | 9.1 |
| 403 | mNitrotoluene | 99081 | D | 650.0 | 6800.0 |
| 404 | pNitrotoluene | 99990 | D | 650.0 | 6800.0 |
| 405 | Norflurazon | 27314132 | D | 2600.0 | 27000.0 |
| 406 | NuStar | 85509199 | D | 46.0 | 480.0 |
| | **O** | | | | |
| 407 | Octabromodiphenyl ether | 32536520 | D | 200.0 | 2000.0 |

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|---|---|---|---|---|---|
| 408 | Octahydro1357tetranitro1357tetrazocine (HMX) | 2691410 | D | 3300.0 | 34000.0 |
| 409 | Octamethylpyrophosphoramide | 152169 | D | 130.0 | 1400.0 |
| 410 | Oryzalin | 19044883 | C | 3300.0 | 34000.0 |
| 411 | Oxadiazon | 19666309 | D | 330.0 | 3400.0 |
| 412 | Oxamyl | 23135220 | E | 1600.0 | 17000.0 |
| 413 | Oxyfluorfen | 42874033 | D | 200.0 | 2000.0 |
| | P | | | | |
| 414 | Paclobutrazol | 76738620 | D | 850.0 | 8900.0 |
| 415 | Paraquat | 4685147 | C | 290.0 | 3100.0 |
| 416 | Parathion | 56382 | C | 390.0 | 4100.0 |
| 417 | Pebulate | 1114712 | D | 3300.0 | 34000.0 |
| 418 | Pendimethalin | 40487421 | D | 2600.0 | 27000.0 |
| 419 | Pentabromo6chloro cyclohexane | 87843 | C | 190.0 | 830.0 |
| 420 | Pentabromodiphenyl ether | 32534819 | D | 130.0 | 1400.0 |
| 421 | Pentachlorobenzene | 608935 | D | 52.0 | 550.0 |
| 422 | Pentachloronitrobenzene | 82688 | C | 17.0 | 73.0 |
| 423 | Pentachlorophenol | 87865 | B2 | 25.0 | 79.0 |
| 424 | Permethrin | 52645531 | D | 3300.0 | 34000.0 |
| 425 | Phenmedipham | 13684634 | D | 16000.0 | 170000.0 |
| 426 | Phenol | 108952 | D | 39000.0 | 410000.0 |
| 427 | mPhenylenediamine | 108452 | D | 390.0 | 4100.0 |
| 428 | pPhenylenediamine | 106503 | D | 12000.0 | 130000.0 |
| 429 | Phenylmercuric acetate | 62384 | D | 5.2 | 55.0 |
| 430 | 2Phenylphenol | 90437 | C | 2300.0 | 9800.0 |
| 431 | Phorate | 298022 | E | 13.0 | 140.0 |
| 432 | Phosmet | 732116 | D | 1300.0 | 14000.0 |
| 433 | Phosphine | 7803512 | D | 20.0 | 200.0 |
| 434 | Phosphorus, white | 7723-14-0 | D | 1.5 | 34.0 |
| 435 | Phthalic anhydride | 85449 | D | 130000.0 | 1000000.0 |
| 436 | Picloram | 1918021 | D | 4600.0 | 48000.0 |
| 437 | Pirimiphosmethyl | 23505411 | D | 650.0 | 6800.0 |
| 438 | Polybrominated biphenyls (PBBs) | N/A | B2 | 0.46 | 2.1 |
| 439 | Polychlorinated biphenyls (PCBs) | 1336363 | B2 | 2.5 | 13.0 |
| 440 | Potassium cyanide | 151508 | D | 3300.0 | 34000.0 |
| 441 | Potassium silver cyanide | 506616 | D | 13000.0 | 140000.0 |
| 442 | Prochloraz | 67747095 | C | 30.0 | 130.0 |
| 443 | Profluralin | 26399360 | D | 390.0 | 4100.0 |
| 444 | Prometon | 1610180 | D | 980.0 | 10000.0 |
| 445 | Prometryn | 7287196 | D | 260.0 | 2700.0 |
| 446 | Pronamide | 23950585 | C | 4900.0 | 51000.0 |
| 447 | Propachlor | 1918167 | D | 850.0 | 8900.0 |
| 448 | Propanil | 709988 | D | 330.0 | 3400.0 |
| 449 | Propargite | 2312358 | D | 1300.0 | 14000.0 |
| 450 | Propargyl alcohol | 107197 | D | 130.0 | 1400.0 |
| 451 | Propazine | 139402 | C | 1300.0 | 14000.0 |

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|---|---|---|---|---|---|
| 452 | Propham | 122429 | D | 1300.0 | 14000.0 |
| 453 | Propiconazole | 60207901 | D | 850.0 | 8900.0 |
| 454 | Propylene glycol | 57556 | D | 1000000.0 | 1000000.0 |
| 455 | Propylene glycol, monoethyl ether | 111353 | D | 46000.0 | 480000.0 |
| 456 | Propylene glycol, monomethyl ether | 107982 | D | 46000.0 | 480000.0 |
| 457 | Propylene oxide | 75569 | B2 | 19.0 | 79.0 |
| 458 | Pursuit | 81335775 | D | 16000.0 | 170000.0 |
| 459 | Pydrin | 51630581 | D | 1600.0 | 17000.0 |
| 460 | Pyrene | 129000 | D | 2000.0 | 20000.0 |
| 461 | Pyridine | 110861 | D | 65.0 | 680.0 |
| | **Q** | | | | |
| 462 | Quinalphos | 13593038 | D | 33.0 | 340.0 |
| 463 | Quinoline | 91225 | C | 0.37 | 1.6 |
| | **R** | | | | |
| 464 | RDX (Cyclonite) | 121824 | C | 40.0 | 170.0 |
| 465 | Resmethrin | 10453868 | D | 2000.0 | 20000.0 |
| 466 | Ronnel | 299843 | D | 3300.0 | 34000.0 |
| 467 | Rotenone | 83794 | D | 260.0 | 2700.0 |
| | **S** | | | | |
| 468 | Savey | 78587050 | D | 1600.0 | 17000.0 |
| 469 | Selenious Acid | 7783008 | D | 330.0 | 3400.0 |
| 470 | Selenium | 7782492 | D | 380.0 | 8500.0 |
| 471 | Selenourea | 630104 | D | 330.0 | 3400.0 |
| 472 | Sethoxydim | 74051802 | D | 5900.0 | 61000.0 |
| 473 | Silver and compounds | 7440224 | D | 380.0 | 8500.0 |
| 474 | Silver cyanide | 506649 | D | 6500.0 | 68000.0 |
| 475 | Simazine | 122349 | C | 37.0 | 160.0 |
| 476 | Sodium azide | 26628228 | D | 260.0 | 2700.0 |
| 477 | Sodium cyanide | 143339 | D | 2600.0 | 27000.0 |
| 478 | Sodium diethyldithiocarbamate | 148185 | C | 16.0 | 71.0 |
| 479 | Sodium fluoroacetate | 62748 | D | 1.3 | 14.0 |
| 480 | Sodium metavanadate | 13718268 | D | 65.0 | 680.0 |
| 481 | Strontium, stable | 7440246 | D | 46000.0 | 1000000.0 |
| 482 | Strychnine | 57249 | D | 20.0 | 200.0 |
| 483 | * Styrene | 100425 | C | 3300.0 | 3300.0 |
| 484 | Systhane | 88671890 | D | 1600.0 | 17000.0 |
| | **T** | | | | |
| 485 | 2,3,7,8TCDD (dioxin) | 1746016 | B2 | 0.000038 | 0.00024 |
| 486 | Tebuthiuron | 34014181 | D | 4600.0 | 48000.0 |
| 487 | Temephos | 3383968 | D | 1300.0 | 14000.0 |
| 488 | Terbacil | 5902512 | E | 850.0 | 8900.0 |
| 489 | Terbufos | 13071799 | D | 1.6 | 17.0 |
| 490 | Terbutryn | 886500 | D | 65.0 | 680.0 |
| 491 | 1,2,4,5Tetrachlorobenzene | 95943 | D | 20.0 | 200.0 |
| 492 | 1,1,1,2Tetrachloroethane | 630206 | C | 23.0 | 54.0 |
| 493 | 1,1,2,2Tetrachloroethane | 79345 | C | 4.4 | 11.0 |

| | | | | | |
|---|---|---|---|---|---|
| 494 | Tetrachloroethylene (PCE) | 127184 | B2 | 53.0 | 170.0 |
| 495 | 2,3,4,6Tetrachlorophenol | 58902 | D | 2000.0 | 20000.0 |
| 496 | p,a,a,aTetrachlorotoluene | 5216251 | B2 | 0.22 | 0.95 |
| 497 | Tetrachlorovinphos | 961115 | C | 190.0 | 790.0 |
| 498 | Tetraethyldithiopyrophosphate | 3689245 | D | 33.0 | 340.0 |
| 499 | Thallic oxide | 1314325 | D | 5.4 | 120.0 |
| 500 | Thallium acetate | 563688 | D | 6.9 | 150.0 |
| 501 | Thallium carbonate | 6533739 | D | 6.1 | 140.0 |
| 502 | Thallium chloride | 7791120 | D | 6.1 | 140.0 |
| 503 | Thallium nitrate | 10102451 | D | 6.9 | 150.0 |
| 504 | Thallium selenite | 12039520 | D | 6.9 | 150.0 |
| 505 | Thallium sulfate | 7446186 | D | 6.1 | 140.0 |
| 506 | Thiobencarb | 28249776 | D | 650.0 | 6800.0 |
| 507 | 2(Thiocyanomethylthio) benzothiazole (TCMTB) | 3689245 | D | 2000.0 | 20000.0 |
| 508 | Thiofanox | 39196184 | D | 20.0 | 200.0 |
| 509 | Thiophanatemethyl | 23564058 | D | 5200.0 | 55000.0 |
| 510 | Thiram | 137268 | D | 330.0 | 3400.0 |
| 511 | Tin and compounds | 7440315 | D | 46000.0 | 1000000.0 |
| 512 | * Toluene | 108883 | D | 790.0 | 2700.0 |
| 513 | Toluene2,4diamine | 95807 | B2 | 1.4 | 6.0 |
| 514 | Toluene2,5diamine | 95705 | D | 39000.0 | 410000.0 |
| 515 | Toluene2,6diamine | 823405 | C | 13000.0 | 140000.0 |
| 516 | pToluidine | 106490 | C | 23.0 | 100.0 |
| 517 | Toxaphene | 8001352 | B2 | 4.0 | 17.0 |
| 518 | Tralomethrin | 66841256 | D | 490.0 | 5100.0 |
| 519 | Triallate | 2303175 | D | 850.0 | 8900.0 |
| 520 | Triasulfuron | 82097505 | D | 650.0 | 6800.0 |
| 521 | 1,2,4Tribromobenzene | 615543 | D | 330.0 | 3400.0 |
| 522 | Tributyltin oxide (TBTO) | 56359 | D | 2.0 | 20.0 |
| 523 | 2,4,6Trichloroaniline | 634935 | C | 130.0 | 560.0 |
| 524 | 2,4,6Trichloroaniline hydrochloride | 33663502 | C | 150.0 | 660.0 |
| 525 | * 1,2,4Trichlorobenzene | 120821 | D | 570.0 | 4700.0 |
| 526 | * 1,1,1Trichloroethane | 71556 | D | 1200.0 | 4800.0 |
| 527 | 1,1,2Trichloroethane | 79005 | C | 6.5 | 15.0 |
| 528 | Trichloroethylene (TCE) | 79016 | B2 | 27.0 | 70.0 |
| 529 | Trichlorofluoromethane | 75694 | D | 380.0 | 1300.0 |
| 530 | 2,4,5Trichlorophenol | 95954 | D | 6500.0 | 68000.0 |
| 531 | 2,4,6Trichlorophenol | 88062 | B2 | 400.0 | 1700.0 |
| 532 | 2,4,5Trichlorophenoxyacetic acid | 93765 | D | 650.0 | 6800.0 |
| 533 | 2(2,4,5Trichlorophenoxy) propionic acid | 93721 | D | 520.0 | 5500.0 |
| 534 | 1,1,2Trichloropropane | 598776 | D | 15.0 | 50.0 |
| 535 | 1,2,3Trichloropropane | 96184 | B2 | 0.014 | 0.03 |
| 536 | 1,2,3Trichloropropene | 96195 | D | 11.0 | 38.0 |
| 537 | * 1,1,2Trichloro1,2,2trifluoroethane | 76131 | D | 10000.0 | 10000.0 |
| 538 | Tridiphane | 58138082 | D | 200.0 | 2000.0 |

| | | | | | |
|---|---|---|---|---|---|
| 539 | Triethylamine | 121448 | D | 23.0 | 84.0 |
| 540 | Trifluralin | 1582098 | C | 490.0 | 2500.0 |
| 541 | Trimethyl phosphate | 512561 | B2 | 120.0 | 520.0 |
| 542 | 1,3,5Trinitrobenzene | 99354 | D | 3.3 | 34.0 |
| 543 | Trinitrophenylmethylnitramine | 479458 | D | 650.0 | 6800.0 |
| 544 | 2,4,6Trinitrotoluene | 118967 | C | 33.0 | 340.0 |
| | V | | | | |
| 545 | Vanadium | 7440622 | D | 540.0 | 12000.0 |
| 546 | Vanadium pentoxide | 1314621 | D | 690.0 | 15000.0 |
| 547 | Vanadium sulfate | 13701707 | D | 1500.0 | 34000.0 |
| 548 | Vernam | 1929777 | D | 65.0 | 680.0 |
| 549 | Vinclozolin | 50471448 | D | 1600.0 | 17000.0 |
| 550 | Vinyl acetate | 108054 | D | 780.0 | 2600.0 |
| 551 | Vinyl bromide | 593602 | B2 | 1.9 | 4.1 |
| 552 | Vinyl chloride | 75014 | A | 0.016 | 0.035 |
| | W | | | | |
| 553 | Warfarin | 81812 | D | 20.0 | 200.0 |
| | X | | | | |
| 554 | * Xylene (mixed) | 1330207 | D | 2800.0 | 2800.0 |
| | Z | | | | |
| 555 | Zinc | 7440666 | D | 23000.0 | 510000.0 |
| 556 | Zinc phosphide | 1314847 | D | 23.0 | 510.0 |
| 557 | Zinc cyanide | 557211 | D | 3300.0 | 34000.0 |
| 558 | Zineb | 12122677 | D | 3300.0 | 34000.0 |

* = 1% free-phase analysis
# = Based on IEUBK Model
- = Based on natural background
N/A = Not Applicable
CARCINOGENICITY CLASSIFICATIONS:
A = Known human carcinogen
B1 = Probable human carcinogen, with limited data indicating human carcinogenicity.
B2 = Probable human carcinogen, with inadequate or no evidence of carcinogenicity in humans. Sufficient evidence for carcinogenicity in laboratory animals.
C = Possible human carcinogen.
D = Not classifiable as to human carcinogenicity.
E = Evidence of noncarcinogenicity in humans.

## ARTICLE 3. PROSPECTIVE PURCHASER AGREEMENT

**R18-7-301. Prospective Purchaser Agreement Fee**

**A.** No Change
**B.** No Change
1. No Change
2. No Change
3. No Change
4. No Change

**C.** No Change
**D.** No Change

1. No Change
2. No Change

**E.** No Change

**F.** As provided in A.R.S. § 49-285.01(G) ~~The~~ the Department shall publish a legal notice announcing an opportunity for public comment on the prospective purchaser agreement. The legal notice shall include:
1. A general description of the contents of the agreement;
2. The location where information regarding the agreement can be obtained;
3. The name and address of the Department contact where comments may be sent; and
4. The time and date that the comment period closes.

**G.** No Change

## ARTICLE 5. VOLUNTARY REMEDIATION PROGRAM

### R18-7-503. Deposit

**A.** No Change

**B.** The deposit shall be in the form of Automated Clearing House ACH payment, wire transfer, a company check, cashier's check, certified check, or money order made payable to the Arizona Department of Environmental Quality.

**C.** No Change

**D.** No Change

**E.** No Change

**F.** No Change

### R18-7-506. Voluntary Remediation Program Accounting

Within a reasonable time after the end of each ~~calender~~ calendar quarter, the Department shall mail, or ~~fax~~ email each applicant a statement itemizing reimbursable costs charged against the site-specific deposit account and a summary of account activity during that quarter. The statement shall be in a form consistent with generally accepted accounting principles.

### R18-7-507. Account Reconciliation

**A.** Within a reasonable time after completion of the remediation work at the site, or after termination or withdrawal of the applicant from participation in the program, the Department shall prepare and mail or ~~fax~~ email to the applicant a final statement which shall include:
1. No Change
2. No Change
3. No Change

**B.** No Change

**C.** No Change

**D.** No Change

**E.** No Change