LDEQ RECAP SOIL GAS STANDARDS
MANAGEMENT OPTION 2
Table H5 Ca*ALPHA
(ug/m3)

| COMPOUND | CAS # | Cani C-O (ug/m3) | Cani N-O (ug/m3) | Note | Cai C-O (ug/m3) | Cai N-O (ug/m3) | Note |
|---|---|---|---|---|---|---|---|
| Acenaphthene | 83-32-9 | | 2.2E+03 | J | | 3.1E+03 | J |
| Acenaphthylene | 208-96-8 | | 2.2E+03 | J | | 3.1E+03 | J |
| Acetone | 67-64-1 | | 3.7E+03 | J | | 5.1E+03 | J |
| Aldrin | 309-00-2 | | | | | | |
| Aniline | 62-53-3 | | | | | | |
| Anthracene | 120-12-7 | | 1.1E+04 | J | | 1.5E+04 | J |
| Antimony | 7440-36-0 | | | | | | |
| Arsenic | 7440-38-2 | | | | | | |
| Barium | 7440-39-3 | | | | | | |
| Benzene | 71-43-2 | 1.2E+03 | | K | 1.2E+03 | | K |
| Benz(a)anthracene | 56-55-3 | | | | | | |
| Benzo(a)pyrene | 50-32-8 | | | | | | |
| Benzo(b)fluoranthene | 205-99-2 | | | | | | |
| Benzo(k)fluoranthene | 207-08-9 | | | | | | |
| Beryllium | 7440-41-7 | | | | | | |
| Biphenyl,1,1- | 92-52-4 | | 2.4E+02 | K | | 2.4E+02 | K |
| Bis(2-chloroethyl)ether | 111-44-4 | 3.0E+00 | | K | 3.0E+00 | | K |
| Bis(2-chloroisopropyl)ether | 108-60-1 | 1.9E+00 | 1.5E+03 | J | 4.1E+00 | 2.0E+03 | J |
| Bis(2-ethyl-hexyl)phthalate | 117-81-7 | | | | | | |
| Bromodichloromethane | 75-27-4 | 1.1E+00 | 7.3E+02 | J | 2.3E+00 | 1.0E+03 | J |
| Bromoform | 75-25-2 | 1.7E+01 | 7.3E+02 | J | 3.7E+01 | 1.0E+03 | J |
| Bromomethane | 74-83-9 | | 5.2E+01 | J | | 7.3E+01 | J |
| Butyl benzyl phthalate | 85-68-7 | | | | | | |
| Cadmium | 7440-43-9 | | | | | | |
| Carbon Disulfide | 75-15-0 | | 7.1E+02 | K | | 7.1E+02 | K |
| Carbon Tetrachloride | 56-23-5 | 6.7E+01 | | K | 6.7E+01 | | K |
| Chlordane | 57-74-9 | | | | | | |
| Chloroaniline,p- | 106-47-8 | | | | | | |
| Chlorobenzene | 108-90-7 | | 1.1E+04 | K | | 1.1E+04 | K |
| Chlorodibromomethane | 124-48-1 | 7.9E-01 | 7.3E+02 | J | 1.7E+00 | 1.0E+03 | J |
| Chloroethane (Ethylchloride) | 75-00-3 | | 6.3E+05 | K | | 6.3E+05 | K |

NOTE: See end of Table for designation of letter symbols and footnotes.

LDEQ RECAP SOIL GAS STANDARDS
MANAGEMENT OPTION 2
Table H5 Ca*ALPHA
(ug/m3)

| COMPOUND | CAS # | Cani C-O (ug/m3) | Cani N-O (ug/m3) | Note | Cai C-O (ug/m3) | Cai N-O (ug/m3) | Note |
|---|---|---|---|---|---|---|---|
| Chloroform | 67-66-3 | 4.3E+01 | | K | 4.3E+01 | | K |
| Chloromethane | 74-87-3 | 5.6E+02 | | K | 5.6E+02 | | K |
| Chloronaphthalene,2- | 91-58-7 | | 2.9E+03 | J | | 4.1E+03 | J |
| Chlorophenol,2- | 95-57-8 | | 1.8E+02 | J | | 2.6E+02 | J |
| Chromium(III) | 16065-83-1 | | | | | | |
| Chromium(VI) | 18540-29-97 | | | | | | |
| Chrysene | 218-01-9 | | | | | | |
| Cobalt | 7440-48-4 | | | | | | |
| Copper | 7440-50-8 | | | | | | |
| Cyanide (free) | 57-12-5 | | | | | | |
| DDD | 72-54-8 | | | | | | |
| DDE | 72-55-9 | | | | | | |
| DDT | 50-29-3 | | | | | | |
| Dibenz(a,h)anthracene | 53-70-3 | | | | | | |
| Dibenzofuran | 132-64-9 | | 1.5E+02 | J | | 2.0E+02 | J |
| Dibromo-3-chloropropane,1,2- | 96-12-8 | | | | | | |
| Dichlorobenzene,1,2- | 95-50-1 | | 2.1E+03 | J | | 2.9E+03 | J |
| Dichlorobenzene,1,3- | 541-73-1 | | 3.3E+01 | J | | 4.6E+01 | J |
| Dichlorobenzene,1,4- | 106-46-7 | | 1.4E+04 | K | | 1.4E+04 | K |
| Dichlorobenzidine,3,3- | 91-94-1 | | | | | | |
| Dichloroethane,1,1- | 75-34-3 | | 5.2E+03 | J | | 7.3E+03 | J |
| Dichloroethane,1,2- | 107-06-2 | 3.9E+01 | | K | 3.9E+01 | | K |
| Dichloroethene,1,1- | 75-35-4 | | 2.1E+03 | J | | 2.9E+03 | J |
| Dichloroethene,cis,1,2- | 156-59-2 | | 3.7E+02 | J | | 5.1E+02 | J |
| Dichloroethene,trans,1,2- | 156-60-5 | | 7.3E+02 | J | | 1.0E+03 | J |
| Dichlorophenol,2,4- | 120-83-2 | | | | | | |
| Dichloropropane,1,2- | 78-87-5 | | 8.3E+04 | K | | 8.3E+04 | K |
| Dichloropropene,1,3- | 542-75-6 | | 1.1E+03 | K | | 1.1E+03 | K |
| Dieldrin | 60-57-1 | | | | | | |
| Diethylphthalate | 84-66-2 | | | | | | |
| Dimethylphenol,2,4- | 105-67-9 | | | | | | |

NOTE: See end of Table for designation of letter symbols and footnotes.

LDEQ RECAP SOIL GAS STANDARDS
MANAGEMENT OPTION 2
Table H5 Ca*ALPHA
(ug/m3)

| COMPOUND | CAS # | Cani C-O (ug/m3) | Cani N-O (ug/m3) | Note | Cai C-O (ug/m3) | Cai N-O (ug/m3) | Note |
|---|---|---|---|---|---|---|---|
| Dimethylphthalate | 131-11-3 | | | | | | |
| Di-n-octylphthalate | 117-84-0 | | | | | | |
| Dinitrobenzene,1,3- | 99-65-0 | | | | | | |
| Dinitrophenol,2,4- | 51-28-5 | | | | | | |
| Dinitrotoluene,2,6- | 606-20-2 | | | | | | |
| Dinitrotoluene,2,4- | 121-14-2 | | | | | | |
| Dinoseb | 88-85-7 | | | | | | |
| Endosulfan | 115-29-7 | | | | | | |
| Endrin | 72-20-8 | | | | | | |
| Ethyl benzene | 100-41-4 | | 1.0E+06 | K | | 1.0E+06 | K |
| Fluoranthene | 206-44-0 | | | | | | |
| Fluorene | 86-73-7 | | 1.5E+03 | J | | 2.0E+03 | J |
| Heptachlor | 76-44-8 | | | | | | |
| Heptachlor epoxide | 1024-57-3 | | | | | | |
| Hexachlorobenzene | 118-74-1 | 2.0E+00 | | K | 2.0E+00 | | K |
| Hexachlorobutadiene | 87-68-3 | | | | | | |
| Hexachlorocyclohexane,alpha | 319-84-6 | | | | | | |
| Hexachlorocyclohexane,beta | 319-85-7 | | | | | | |
| Hexachlorocyclohexane,gamma | 58-89-9 | | | | | | |
| Hexachlorocyclopentadiene | 77-47-4 | | 2.1E+00 | J | | 2.9E+00 | J |
| Hexachloroethane | 67-72-1 | 2.5E+02 | | K | 2.5E+02 | | K |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | | | | | | |
| Isobutyl alcohol | 78-83-1 | | | | | | |
| Isophorone | 78-59-1 | | | | | | |
| Lead (inorganic) | 7439-92-1 | | | | | | |
| Mercury (inorganic) | 7487-94-7 | | | | | | |
| Methoxychlor | 72-43-5 | | | | | | |
| Methylene chloride | 75-09-2 | 2.1E+03 | | K | 2.1E+03 | | K |
| Methyl ethyl ketone | 78-93-3 | | 1.4E+05 | K | | 1.4E+05 | K |
| Methyl isobutyl ketone | 108-10-1 | | 4.9E+04 | K | | 4.9E+04 | K |
| Methylnaphthalene,2- | 91-57-6 | | 3.1E+01 | J | | 4.4E+01 | J |

NOTE: See end of Table for designation of letter symbols and footnotes.

LDEQ RECAP SOIL GAS STANDARDS
MANAGEMENT OPTION 2
Table H5 Ca*ALPHA
(ug/m3)

| | | Cani C-O | Cani N-O | | Cai C-O | Cai N-O | |
|---|---|---|---|---|---|---|---|
| COMPOUND | CAS # | (ug/m3) | (ug/m3) | Note | (ug/m3) | (ug/m3) | Note |
| MTBE (methyl tert-butyl ether) | 1634-04-4 | | 3.1E+05 | J | | 4.4E+05 | J |
| Naphthalene | 91-20-3 | | 3.1E+01 | J | | 4.4E+01 | J |
| Nickel | 7440-02-0 | | | | | | |
| Nitrate | 14797-55-8 | | | | | | |
| Nitrite | 14797-65-0 | | | | | | |
| Nitroaniline,2- | 88-74-4 | | 1.1E+00 | J | | 1.5E+00 | J |
| Nitroaniline,3- | 99-09-2 | | 1.1E+02 | J | | 1.5E+02 | J |
| Nitroaniline,4- | 100-01-6 | | | | | | |
| Nitrobenzene | 98-95-3 | | 1.2E+03 | K | | 1.2E+03 | K |
| Nitrophenol,4- | 100-02-7 | | | | | | |
| Nitrosodi-n-propylamine,n- | 621-64-7 | | | | | | |
| N-nitrosodiphenylamine | 86-30-6 | | | | | | |
| Pentachlorophenol | 87-86-5 | | | | | | |
| Phenanthrene | 85-01-8 | | 1.1E+04 | J | | 1.5E+04 | J |
| Phenol | 108-95-2 | | 1.1E+04 | J | | 1.5E+04 | J |
| Polychlorinated biphenyls | 1336-36-3 | | | | | | |
| Pyrene | 129-00-0 | | 1.1E+03 | J | | 1.5E+03 | J |
| Selenium | 7782-49-2 | | | | | | |
| Silver | 7440-22-4 | | | | | | |
| Styrene | 100-42-5 | | 1.0E+04 | K | | 1.0E+04 | K |
| Tetrachlorobenzene,1,2,4,5- | 95-94-3 | | | | | | |
| Tetrachloroethane,1,1,1,2- | 630-20-6 | 1.0E+00 | | K | 1.0E+00 | | K |
| Tetrachloroethane,1,1,2,2- | 79-34-5 | 1.7E+01 | | K | 1.7E+01 | | K |
| Tetrachloroethylene | 127-18-4 | 1.1E+03 | | K | 1.1E+03 | | K |
| Tetrachlorophenol,2,3,4,6- | 58-90-2 | | | | | | |
| Thallium | 7440-28-0 | | | | | | |
| Toluene | 108-88-3 | | 4.0E+04 | K | | 4.0E+04 | K |
| Toxaphene | 8001-35-2 | | | | | | |
| Trichlorobenzene,1,2,4- | 120-82-1 | | 2.1E+03 | J | | 2.9E+03 | J |
| Trichloroethane,1,1,1- | 71-55-6 | | 1.0E+04 | J | | 1.5E+04 | J |
| Trichloroethane,1,1,2- | 79-00-5 | 6.3E+01 | | K | 6.3E+01 | | K |

NOTE: See end of Table for designation of letter symbols and footnotes.

LDEQ RECAP SOIL GAS STANDARDS
MANAGEMENT OPTION 2
Table H5 Ca*ALPHA
(ug/m3)

| COMPOUND | CAS # | Cani C-O (ug/m3) | Cani N-O (ug/m3) | Note | Cai C-O (ug/m3) | Cai N-O (ug/m3) | Note |
|---|---|---|---|---|---|---|---|
| Trichloroethene | 79-01-6 | 5.9E+02 | | K | 5.9E+02 | | K |
| Trichlorofluoromethane | 75-69-4 | | 7.3E+03 | J | | 1.0E+04 | J |
| Trichlorophenol,2,4,5- | 95-95-4 | | | | | | |
| Trichlorophenol,2,4,6- | 88-06-2 | | | | | | |
| Vanadium | 7440-62-2 | | | | | | |
| Vinyl chloride | 75-01-4 | 1.2E+01 | | K | 1.2E+01 | | K |
| Xylene(mixed) | 1330-20-7 | | 1.1E+04 | J | | 1.5E+04 | J |
| Zinc | 7440-66-6 | | | | | | |
| Aliphatics C6-C8 | NA | | 1.9E+06 | J | | 1.9E+06 | J |
| Aliphatics >C8-C10 | NA | | 1.1E+05 | J | | 1.1E+05 | J |
| Aliphatics >C10-C12 | NA | | 1.1E+04 | J | | 1.1E+04 | J |
| Aliphatics >C12-C16 | NA | | 1.1E+04 | J | | 1.1E+04 | J |
| Aliphatics >C16-C35 | NA | | | | | | |
| Aromatics >C8-C10 | NA | | 2.2E+04 | J | | 2.2E+04 | J |
| Aromatics >C10-C12 | NA | | 2.2E+03 | J | | 2.2E+03 | J |
| Aromatics >C12-C16 | NA | | 2.2E+03 | J | | 2.2E+03 | J |
| Aromatics >C16-C21 | NA | | | | | | |
| Aromatics >C21-C35 | NA | | | | | | |
| TPH-GRO | NA | | 2.2E+04 | | | 2.2E+04 | |
| TPH-DRO | NA | | | | | | |
| TPH-ORO | NA | | | | | | |

J - Developed using risk-based value calculated with one of the equations EQ 56 thru 59.

K - Developed using Louisiana Toxic Air Pollutant Ambient Air Standards (LAC 33:III.5112 Table 51.2).

Alpha = 100 for the following compounds: Benzene, Ethyl benzene, MTBE, Toluene, Xylene(mixed), Aliphatics C6-8, Aliphatics >C8-10, Aromatics >C8-10, and TPH-GRO. Alpha = 10 for all other constituents.

NOTE: See end of Table for designation of letter symbols and footnotes.