

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                      | Basis for Hardness     | Hardness | units | CV  | MEC               | Criteria          |                     |                        |           |                     |                       | Reasonable Potential Analysis (RPA) |              |                   |                    |              |      |
|------|----------------------|------------------------|----------|-------|-----|-------------------|-------------------|---------------------|------------------------|-----------|---------------------|-----------------------|-------------------------------------|--------------|-------------------|--------------------|--------------|------|
|      |                      |                        |          |       |     |                   | Freshwater        |                     | Human Health           |           | Basin Plan          | Lowest C              |                                     |              |                   |                    |              |      |
|      |                      |                        |          |       |     |                   | C acute = CMC tot | C chronic = CCC tot | Not applicable Chh W&O | C hh O    | Title 22 GWR/ Other |                       |                                     |              |                   |                    |              |      |
| 1    | Antimony             | N/A                    |          | µg/L  | 0.2 | 0.95              | NONE              | NONE                | 14                     | 4300      | -                   | 4300.0                | No                                  | Go to Tier 2 | 1.99              | No                 | Go to Tier 3 |      |
| 2    | Arsenic              | N/A                    |          | µg/L  | 0.3 | 2.98              | 340               | 150                 | NONE                   | NONE      | -                   | 150.0                 | No                                  | Go to Tier 2 | 3.29              | No                 | Go to Tier 3 |      |
| 3    | Beryllium            | N/A                    |          | µg/L  | 0.8 | 0.04              | NONE              | NONE                | Narrative              | Narrative | -                   | No Criteria Available | Criteria Available                  | Go to Tier 2 | 0.2               | Criteria Available | Go to Tier 3 |      |
| 4    | Cadmium (TMDL)       | Upstream (R-4) average | 278      | µg/L  | 0.6 | 0.71              | -                 | 5.3                 | Narrative              | Narrative | -                   | 5.3                   | No                                  | Go to Tier 2 | 0.9               | No                 | Go to Tier 3 | TMDL |
| 5a   | Chromium III         | Upstream (R-4) average | 278      | µg/L  | -   | #DIV/0!           | 1267.8            | 411.2               | Narrative              | Narrative | -                   | 411.2                 | #DIV/0!                             | #DIV/0!      | 0                 | No                 | Go to Tier 3 |      |
| 5b   | Chromium VI          | N/A                    |          | µg/L  | 0.7 | 0.9               | 16.0              | 11.0                | Narrative              | Narrative | -                   | 11.0                  | No                                  | Go to Tier 2 | 2.9               | No                 | Go to Tier 3 |      |
| 6    | Copper (TMDL)        | Upstream (R-4) average | 278      | µg/L  | 0.3 | 15.5              | -                 | 26.0                | 1300                   | NONE      | -                   | 26.0                  | No                                  | Go to Tier 2 | 36                | Yes                | Go to Tier 3 | TMDL |
| 7    | Lead (TMDL)          | Upstream (R-4) average | 278      | µg/L  | 0.6 | 2.9               | -                 | 12.0                | Narrative              | Narrative | -                   | 12.0                  | No                                  | Go to Tier 2 | 5.7               | No                 | Go to Tier 3 | TMDL |
| 8    | Mercury              | N/A                    |          | µg/L  | 3.4 | 0.158             | Reserved          | Reserved            | 0.05                   | 0.051     | -                   | 0.051                 | Yes                                 | Yes          | 0.023             | No                 |              |      |
| 9    | Nickel               | Upstream (R-4) average | 278      | µg/L  | 0.3 | 6.8               | 1112.1            | 123.5               | 610                    | 4600      | -                   | 123.5                 | No                                  | Go to Tier 2 | 14.2              | No                 | Go to Tier 3 |      |
| 10   | Selenium             | N/A                    |          | µg/L  | 0.3 | 1.1               | Reserved          | 5.0                 | Narrative              | Narrative | -                   | 5.0                   | No                                  | Go to Tier 2 | 3.3               | No                 | Go to Tier 3 |      |
| 11   | Silver               | Upstream (R-4) average | 278      | µg/L  | 1.2 | 0.79              | 20.0              |                     | NONE                   | NONE      | -                   | 20.0                  | No                                  | Go to Tier 2 | 1.2               | No                 | Go to Tier 3 |      |
| 12   | Thallium             | N/A                    |          | µg/L  | 0.8 | ND                | NONE              | NONE                | 1.7                    | 6.3       | -                   | 6.3                   | ALL ND                              | Go to Tier 2 | 0.57              | No                 | Go to Tier 3 |      |
| 13   | Zinc (TMDL)          | Upstream (R-4) average | 278      | µg/L  | 0.2 | 83                | -                 | 253.0               | NONE                   | NONE      | -                   | 253.0                 | No                                  | Go to Tier 2 | 78                | No                 | Go to Tier 3 | TMDL |
| 14   | Cyanide              | N/A                    |          | µg/L  | 0.6 | 5                 | 22                | 5.2                 | 700                    | 220000    | -                   | 5.2                   | No                                  | Go to Tier 2 | 7                 | Yes                |              |      |
| 15   | Asbestos             | N/A                    |          | µg/L  |     | No data available | NONE              | NONE                | 7MF/L                  | NONE      | -                   | 7MF/L                 | No data available                   | Go to Tier 2 | No data available | No data available  | Go to Tier 3 |      |
| 16   | 2,3,7,8-TCDD(Dioxin) | N/A                    |          | pg/L  |     | ND                | NONE              | NONE                | 1.3E-08                | 1.4E-08   | -                   | 1.4E-08               | ALL ND                              | Go to Tier 2 | 2.44              | No                 | Go to Tier 3 |      |
| 17   | Acrolein             | N/A                    |          | µg/L  | 0.6 | <0                |                   |                     | 320                    | 780       | -                   | 780.0                 | No                                  | Go to Tier 2 | <0                | No                 | Go to Tier 3 |      |
| 18   | Acrylonitrile        | N/A                    |          | µg/L  | 0.6 | <0                |                   |                     | 0.059                  | 0.66      | -                   | 0.7                   | ALL ND                              | Go to Tier 2 | <2                | ALL ND >C          | Go to Tier 3 |      |
| 19   | Benzene              | N/A                    |          | µg/L  | 0.6 | <0                |                   |                     | 1.2                    | 71        | -                   | 71.0                  | No                                  | Go to Tier 2 | <0                | No                 | Go to Tier 3 |      |
| 20   | Bromoform            | N/A                    |          | µg/L  | 1.0 | 1.75              |                   |                     | 4.3                    | 360       | -                   | 360.0                 | No                                  | Go to Tier 2 | 0                 | No                 | Go to Tier 3 |      |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                           | Basis for Hardness | Hardness | units | CV  | MEC  | Criteria          |                     |                        |          |                     | Reasonable Potential Analysis (RPA) |                       |                      |                      |                         |                      |                      |
|------|---------------------------|--------------------|----------|-------|-----|------|-------------------|---------------------|------------------------|----------|---------------------|-------------------------------------|-----------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|
|      |                           |                    |          |       |     |      | Freshwater        |                     | Human Health           |          | Basin Plan          | Lowest C                            | MEC >= Lowest C       | Tier 1 - Need limit? | B (Observed Maximum) | B > C and detected at C | Tier 2 - need limit? | Tier 3 - need limit? |
|      |                           |                    |          |       |     |      | C acute = CMC tot | C chronic = CCC tot | Not applicable Chh W&O | C hh O   | Title 22 GWR/ Other |                                     |                       |                      |                      |                         |                      |                      |
| 21   | Carbon Tetrachloride      | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.25                   | 4.4      | -                   | 4.4                                 | No                    | Go to Tier 2         | 0                    | No                      | Go to Tier 3         |                      |
| 22   | Chlorobenzene             | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 680                    | 21000    | -                   | 21000.0                             | Yes                   | Yes                  | <0.0                 | No                      | Go to Tier 3         |                      |
| 23   | Dibromochloromethane      | N/A                |          | µg/L  | 0.3 | 2.83 |                   |                     | 0.401                  | 34       | -                   | 34.0                                | No                    | Go to Tier 2         | 0                    | No                      | Go to Tier 3         |                      |
| 24   | Chloroethane              | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |          | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0.0                 | No Criteria Available   | Go to Tier 3         |                      |
| 25   | 2-Chloroethyl vinyl ether | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |          | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0.0                 | No Criteria Available   | Go to Tier 3         |                      |
| 26   | Chloroform                | N/A                |          | µg/L  | 0.3 | 12.6 |                   |                     | Reserved               | Reserved | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | 0.76                 | No Criteria Available   | Go to Tier 3         |                      |
| 27   | Dichlorobromomethane      | N/A                |          | µg/L  | 0.3 | 7.16 |                   |                     | 0.56                   | 46       | -                   | 46.0                                | No                    | Go to Tier 2         | 0.21                 | No                      | Go to Tier 3         |                      |
| 28   | 1,1-Dichloroethane        | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |          | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0.0                 | No Criteria Available   | Go to Tier 3         |                      |
| 29   | 1,2-Dichlorothane         | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.38                   | 99       | -                   | 99.0                                | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 30   | 1,1-Dichloroethylene      | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.057                  | 3.2      | -                   | 3.2                                 | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 31   | 1,2-Dichloropropane       | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.52                   | 39       | -                   | 39.0                                | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 32   | 1,3-Dichoropropylene      | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 10                     | 1700     | -                   | 1700.0                              | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 33   | Ethylbenzene              | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 3,100                  | 29,000   | -                   | 29000.0                             | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 34   | Methyl bromide            | N/A                |          | µg/L  | 0.6 | 3.2  |                   |                     | 48                     | 4000     | -                   | 4000.0                              | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 35   | Methyl chloride           | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |          | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | 0                    | No Criteria Available   | Go to Tier 3         |                      |
| 36   | Methylene chloride        | N/A                |          | µg/L  | 1.8 | 1.49 |                   |                     | 4.7                    | 1600     | -                   | 1600.0                              | No                    | Go to Tier 2         | 0                    | No                      | Go to Tier 3         |                      |
| 37   | 1,1,2,2-Tetrachloroethane | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.17                   | 11       | -                   | 11.0                                | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 38   | Tetrachloroethylene       | N/A                |          | µg/L  | 1.8 | 2.26 |                   |                     | 0.8                    | 8.85     | 5                   | 8.9                                 | No                    | Go to Tier 2         | 1.3                  | No                      | Go to Tier 3         |                      |
| 39   | Toluene                   | N/A                |          | µg/L  | 0.6 | 0.72 |                   |                     | 6,800                  | 200,000  | -                   | 200000.0                            | No                    | Go to Tier 2         | 0.44                 | No                      | Go to Tier 3         |                      |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                                                      | Basis for Hardness | Hardness | units | CV  | MEC  | Criteria          |                     |                        |           |                     | Reasonable Potential Analysis (RPA) |                       |                      |                      |                         |                      |                      |
|------|------------------------------------------------------|--------------------|----------|-------|-----|------|-------------------|---------------------|------------------------|-----------|---------------------|-------------------------------------|-----------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|
|      |                                                      |                    |          |       |     |      | Freshwater        |                     | Human Health           |           | Basin Plan          | Lowest C                            | MEC >= Lowest C       | Tier 1 - Need limit? | B (Observed Maximum) | B > C and detected at C | Tier 2 - need limit? | Tier 3 - need limit? |
|      |                                                      |                    |          |       |     |      | C acute = CMC tot | C chronic = CCC tot | Not applicable Chh W&O | C hh O    | Title 22 GWR/ Other |                                     |                       |                      |                      |                         |                      |                      |
| 40   | Trans 1,2-Dichloroethylene                           | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 700                    | 140000    | -                   | 140000.0                            | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 41   | 1,1,1-Trichloroethane                                | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0.0                 | No Criteria Available   | Go to Tier 3         |                      |
| 42   | 1,1,2-Trichloroethylene                              | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.6                    | 42        | -                   | 42.0                                | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 43   | Trichloroethylene                                    | N/A                |          | µg/L  | 0.6 | 0.39 |                   |                     | 2.7                    | 81        | -                   | 81.0                                | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 44   | Vinyl chloride                                       | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 2                      | 525       | -                   | 525.0                               | No                    | Go to Tier 2         | <0.0                 | No                      | Go to Tier 3         |                      |
| 45   | 2-Chlorophenol                                       | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 120                    | 400       | -                   | 400.0                               | No                    | Go to Tier 2         | <5                   | No                      | Go to Tier 3         |                      |
| 46   | 2,4-Dichlorophenol                                   | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 93                     | 790       | -                   | 790.0                               | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 47   | 2,4-Dimethylphenol                                   | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 540                    | 2,300     | -                   | 2300.0                              | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 48   | 4,6-Dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol) | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 13.4                   | 765       | -                   | 765.0                               | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 49   | 2,4-Dinitrophenol                                    | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 70                     | 14,000    | -                   | 14000.0                             | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 50   | 2-Nitrophenol                                        | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0                   | No Criteria Available   | Go to Tier 3         |                      |
| 51   | 4-Nitrophenol                                        | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0                   | No Criteria Available   | Go to Tier 3         |                      |
| 52   | 3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)       | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0                   | No Criteria Available   | Go to Tier 3         |                      |
| 53   | Pentachlorophenol                                    | N/A                |          | µg/L  | 0.6 | <0   | 19                | 15                  | 0.28                   | 8.2       | -                   | 8.2                                 | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 54   | Phenol                                               | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 21,000                 | 4,600,000 | -                   | 4600000.0                           | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 55   | 2,4,6-trichlorophenol                                | N/A                |          | µg/L  | 0.6 | 0.19 |                   |                     | 2.1                    | 6.5       | -                   | 6.5                                 | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 56   | Acenaphthene                                         | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 1,200                  | 2,700     | -                   | 2700.0                              | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 57   | Acenaphthylene                                       | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 58   | Anthracene                                           | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 9,600                  | 110,000   | -                   | 110000.0                            | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                             | Basis for Hardness | Hardness | units | CV  | MEC  | Criteria          |                     |                        |         |                     |                       | Reasonable Potential Analysis (RPA) |              |       |                       |              |  |
|------|-----------------------------|--------------------|----------|-------|-----|------|-------------------|---------------------|------------------------|---------|---------------------|-----------------------|-------------------------------------|--------------|-------|-----------------------|--------------|--|
|      |                             |                    |          |       |     |      | Freshwater        |                     | Human Health           |         | Basin Plan          | Lowest C              |                                     |              |       |                       |              |  |
|      |                             |                    |          |       |     |      | C acute = CMC tot | C chronic = CCC tot | Not applicable Chh W&O | C hh O  | Title 22 GWR/ Other |                       |                                     |              |       |                       |              |  |
| 59   | Benidine                    | N/A                |          | µg/L  | 0.6 | <1   |                   |                     | 0.00012                | 0.00054 | -                   | 0.00054               | ALL ND                              | Go to Tier 2 | <0    | ALL ND >C             | Go to Tier 3 |  |
| 60   | Benzo(a)Anthracene          | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.0044                 | 0.049   | -                   | 0.049                 | ALL ND                              | Go to Tier 2 | <0    | ALL ND >C             | Go to Tier 3 |  |
| 61   | Benzo(a)Pyrene              | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.0044                 | 0.049   | -                   | 0.049                 | ALL ND                              | Go to Tier 2 | <0.00 | No                    | Go to Tier 3 |  |
| 62   | Benzo(b)Fluroanthene        | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.0044                 | 0.049   | -                   | 0.049                 | ALL ND                              | Go to Tier 2 | <0.00 | No                    | Go to Tier 3 |  |
| 63   | Benzo(ghi)Perylene          | N/A                |          | µg/L  | 0.6 | 0.07 |                   |                     |                        |         | -                   | No Criteria Available | No Criteria Available               | Go to Tier 2 | <0    | No Criteria Available | Go to Tier 3 |  |
| 64   | Benzo(k)Fluoranthene        | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.0044                 | 0.049   | -                   | 0.049                 | ALL ND                              | Go to Tier 2 | 0     | No                    | Go to Tier 3 |  |
| 65   | Bis(2-Chloroethoxy)Methane  | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |         | -                   | No Criteria Available | No Criteria Available               | Go to Tier 2 | <0    | No Criteria Available | Go to Tier 3 |  |
| 66   | Bis(2-Chloroethyl)Ether     | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.031                  | 1.4     | -                   | 1.4                   | No                                  | Go to Tier 2 | <0    | No                    | Go to Tier 3 |  |
| 67   | Bis(2-Chloroisopropyl)Ether | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 1,400                  | 170,000 | -                   | 170000.0              | No                                  | Go to Tier 2 | <0    | No                    | Go to Tier 3 |  |
| 68   | Bis(2-Ethylhexyl)Phthalate  | N/A                |          | µg/L  | 1.1 | 7    |                   |                     | 1.8                    | 5.9     | 4                   | 4.0                   | Yes                                 | Yes          | 1     | No                    | Go to Tier 3 |  |
| 69   | 4-Bromophenyl Phenyl Ether  | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |         | -                   | No Criteria Available | No Criteria Available               | Go to Tier 2 | <0    | No Criteria Available | Go to Tier 3 |  |
| 70   | Butylbenzyl Phthalate       | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 3000                   | 5200    | -                   | 5200.0                | No                                  | Go to Tier 2 | 0.1   | No                    | Go to Tier 3 |  |
| 71   | 2-Chloronaphthalene         | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 1700                   | 4300    | -                   | 4300.0                | No                                  | Go to Tier 2 | <0    | No                    | Go to Tier 3 |  |
| 72   | 4-Chlorophenyl Phenyl Ether | N/A                |          | µg/L  | 0.6 | <0   |                   |                     |                        |         | -                   | No Criteria Available | No Criteria Available               | Go to Tier 2 | <0    | No Criteria Available | Go to Tier 3 |  |
| 73   | Chrysene                    | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 0.0044                 | 0.049   | -                   | 0.049                 | No                                  | Go to Tier 2 | 0     | No                    | Go to Tier 3 |  |
| 74   | Dibenzo(a,h)Anthracene      | N/A                |          | µg/L  | 0.6 | 0.9  |                   |                     | 0.0044                 | 0.049   | -                   | 0.049                 | Yes                                 | Yes          | <0.00 | No                    | Go to Tier 3 |  |
| 75   | 1,2-Dichlorobenzene         | N/A                |          | µg/L  | 0.6 | 0.21 |                   |                     | 2700                   | 17000   | -                   | 17000.0               | No                                  | Go to Tier 2 | <0    | No                    | Go to Tier 3 |  |
| 76   | 1,3-Dichlorobenzene         | N/A                |          | µg/L  | 0.6 | <0   |                   |                     | 400                    | 2600    | -                   | 2600.0                | No                                  | Go to Tier 2 | <0    | No                    | Go to Tier 3 |  |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                                             | Basis for Hardness | Hardness | units | CV  | MEC     | Criteria          |                     |                        |           |                     | Reasonable Potential Analysis (RPA) |                       |              |       |                       |              |          |
|------|---------------------------------------------|--------------------|----------|-------|-----|---------|-------------------|---------------------|------------------------|-----------|---------------------|-------------------------------------|-----------------------|--------------|-------|-----------------------|--------------|----------|
|      |                                             |                    |          |       |     |         | Freshwater        |                     | Human Health           |           | Basin Plan          |                                     |                       |              |       |                       |              | Lowest C |
|      |                                             |                    |          |       |     |         | C acute = CMC tot | C chronic = CCC tot | Not applicable Chh W&O | C hh O    | Title 22 GWR/ Other |                                     |                       |              |       |                       |              |          |
| 77   | 1,4-Dichlorobenzene (aka p-Dichlorobenzene) | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 400                    | 2600      | -                   | 2600.0                              | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 78   | 3,3'-Dichlorobenzidine                      | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 0.04                   | 0.077     | -                   | 0.1                                 | ALL ND                | Go to Tier 2 | <0    | ALL ND >C             | Go to Tier 3 |          |
| 79   | Diethyl Phthalate                           | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 23,000                 | 120,000   | -                   | 120000.0                            | ALL ND                | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 80   | Dimethyl Phthalate                          | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 313,000                | 2,900,000 | -                   | 2900000.0                           | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 81   | Di-n-Butyl Phthalate                        | N/A                |          | µg/L  | 0.6 | 0.5     |                   |                     | 2,700                  | 12,000    | -                   | 12000.0                             | ALL ND                | Go to Tier 2 | <1    | No                    | Go to Tier 3 |          |
| 82   | 2,4-Dinitrotoluene                          | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 0.11                   | 9.1       | -                   | 9.1                                 | ALL ND                | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 83   | 2,6-Dinitrotoluene                          | N/A                |          | µg/L  | 0.6 | <0      |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2 | <0    | No Criteria Available | Go to Tier 3 |          |
| 84   | Di-n-Octyl Phthalate                        | N/A                |          | µg/L  | 0.6 | <1      |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2 | <1    | No Criteria Available | Go to Tier 3 |          |
| 85   | 1,2-Diphenylhydrazine                       | N/A                |          | µg/L  | 0.6 | #DIV/0! |                   |                     | 0.04                   | 0.54      | -                   | 0.5                                 | ALL ND                | Go to Tier 2 | <0    | ALL ND >C             | Go to Tier 3 |          |
| 86   | Fluoranthene                                | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 300                    | 370       | -                   | 370.0                               | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 87   | Fluorene                                    | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 1300                   | 14000     | -                   | 14000.0                             | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 88   | Hexachlorobenzene                           | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 0.00075                | 0.00077   | -                   | 0.00077                             | ALL ND                | Go to Tier 2 | <0    | ALL ND >C             | Go to Tier 3 |          |
| 89   | Hexachlorobutadiene                         | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 0.44                   | 50        | -                   | 50.0                                | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 90   | Hexachlorocyclopentadiene                   | N/A                |          | µg/L  | 0.6 | <2      |                   |                     | 240                    | 17000     | -                   | 17000.0                             | No                    | Go to Tier 2 | <2    | No                    | Go to Tier 3 |          |
| 91   | Hexachloroethane                            | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 1.9                    | 8.9       | -                   | 8.9                                 | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 92   | Indeno(1,2,3-cd)Pyrene                      | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 0.0044                 | 0.049     | -                   | 0.049                               | ALL ND                | Go to Tier 2 | <0.02 | ALL ND >C             | Go to Tier 3 |          |
| 93   | Isophorone                                  | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 8.4                    | 600       | -                   | 600.0                               | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 94   | Napthalene                                  | N/A                |          | µg/L  | 0.6 | <0      |                   |                     |                        |           | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2 | <0    | No Criteria Available | Go to Tier 3 |          |
| 95   | Nitrobenzene                                | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 17                     | 1900      | -                   | 1900.0                              | No                    | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |
| 96   | N-Nitrosodimethylamine                      | N/A                |          | µg/L  | 0.6 | <0      |                   |                     | 0.00069                | 8.1       | -                   | 8.1                                 | ALL ND                | Go to Tier 2 | <0    | No                    | Go to Tier 3 |          |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                           | Basis for Hardness | Hardness | units | CV  | MEC | Criteria          |                     |                        |         |                     | Reasonable Potential Analysis (RPA) |                       |                      |                      |                         |                      |                      |
|------|---------------------------|--------------------|----------|-------|-----|-----|-------------------|---------------------|------------------------|---------|---------------------|-------------------------------------|-----------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|
|      |                           |                    |          |       |     |     | Freshwater        |                     | Human Health           |         | Basin Plan          | Lowest C                            | MEC >= Lowest C       | Tier 1 - Need limit? | B (Observed Maximum) | B > C and detected at C | Tier 2 - need limit? | Tier 3 - need limit? |
|      |                           |                    |          |       |     |     | C acute = CMC tot | C chronic = CCC tot | Not applicable Chh W&O | C hh O  | Title 22 GWR/ Other |                                     |                       |                      |                      |                         |                      |                      |
| 97   | N-Nitrosodi-n-Propylamine | N/A                |          | µg/L  | 0.6 | <0  |                   |                     | 0.005                  | 1.4     | -                   | 1.4                                 | No                    | Go to Tier 2         | <0                   | No                      |                      |                      |
| 98   | N-Nitrosodiphenylamine    | N/A                |          | µg/L  | 0.6 | <0  |                   |                     | 5                      | 16      | -                   | 16.0                                | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 99   | Phenanthrene              | N/A                |          | µg/L  | 0.6 | <0  |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0                   | No Criteria Available   | Go to Tier 3         |                      |
| 100  | Pyrene                    | N/A                |          | µg/L  | 0.6 | <0  |                   |                     | 960                    | 11,000  | -                   | 11000.0                             | No                    | Go to Tier 2         | <0                   | No                      | Go to Tier 3         |                      |
| 101  | 1,2,4-Trichlorobenzene    | N/A                |          | µg/L  | 0.6 | <0  |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0                   | No Criteria Available   | Go to Tier 3         |                      |
| 102  | Aldrin                    | N/A                |          | µg/L  | 0.6 | <0  |                   | 3                   | 0.00013                | 0.00014 | -                   | 0.00014                             | ALL ND                | Go to Tier 2         | <0.00                | ALL ND >C               | Go to Tier 3         |                      |
| 103  | alpha-BHC                 | N/A                |          | µg/L  | 0.6 | <0  |                   |                     | 0.0039                 | 0.013   | -                   | 0.013                               | ALL ND                | Go to Tier 2         | 0                    | No                      | Go to Tier 3         |                      |
| 104  | beta-BHC                  | N/A                |          | µg/L  | 0.6 | <0  |                   |                     | 0.014                  | 0.046   | -                   | 0.046                               | No                    | Go to Tier 2         | <0.00                | No                      | Go to Tier 3         |                      |
| 105  | gamma-BHC (Lindane)       | N/A                |          | µg/L  | 0.6 | <0  |                   | 0.95                | 0.019                  | 0.063   | -                   | 0.1                                 | ALL ND                | Go to Tier 2         | 0                    | No                      | Go to Tier 3         |                      |
| 106  | delta-BHC                 | N/A                |          | µg/L  | 0.6 | <0  |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | <0.00                | No Criteria Available   | Go to Tier 3         |                      |
| 107  | Chlordane                 | N/A                |          | ng/L  | 0.6 | <0  |                   | 2.4                 | 0.0043                 | 0.00057 | 0.00059             | 0.00059                             | ALL ND                | Go to Tier 2         | <0.02                | ALL ND >C               | Go to Tier 3         |                      |
| 108  | 4,4'-DDT                  | N/A                |          | ng/L  | 0.6 | <0  |                   | 1.1                 | 0.001                  | 0.00059 | 0.00059             | 0.00059                             | ALL ND                | Go to Tier 2         | <0.00                | ALL ND >C               | Go to Tier 3         |                      |
| 109  | 4,4'-DDE                  | N/A                |          | ng/L  | 0.6 | <0  |                   |                     | 0.00059                | 0.00059 | -                   | 0.00059                             | ALL ND                | Go to Tier 2         | 0                    | ALL ND >C               | Go to Tier 3         |                      |
| 110  | 4,4'-DDD                  | N/A                |          | ng/L  | 0.6 | <0  |                   |                     | 0.00083                | 0.00084 | -                   | 0.00084                             | ALL ND                | Go to Tier 2         | <0.00                | ALL ND >C               | Go to Tier 3         |                      |
| 111  | Dieldrin                  | N/A                |          | ng/L  | 0.6 | <0  |                   | 0.24                | 0.056                  | 0.00014 | 0.00014             | 0.00014                             | ALL ND                | Go to Tier 2         | <0.00                | ALL ND >C               | Go to Tier 3         |                      |
| 112  | alpha-Endosulfan          | N/A                |          | µg/L  | 0.6 | <0  |                   | 0.22                | 0.056                  | 110     | 240                 | 0.1                                 | No                    | Go to Tier 2         | <0.00                | No                      | Go to Tier 3         |                      |
| 113  | beta-Endosulfan           | N/A                |          | µg/L  | 0.6 | <0  |                   | 0.22                | 0.056                  | 110     | 240                 | 0.1                                 | No                    | Go to Tier 2         | <0.00                | No                      | Go to Tier 3         |                      |
| 114  | Endosulfan Sulfate        | N/A                |          | µg/L  | 0.6 | <0  |                   |                     | 110                    | 240     | -                   | 240.0                               | No                    | Go to Tier 2         | <0.00                | No                      | Go to Tier 3         |                      |
| 115  | Endrin                    | N/A                |          | µg/L  | 0.6 | <0  |                   | 0.086               | 0.036                  | 0.76    | 0.81                | 0.036                               | ALL ND                | Go to Tier 2         | <0.00                | No                      |                      |                      |
| 116  | Endrin Aldehyde           | N/A                |          | µg/L  | 0.6 | <0  |                   |                     | 0.76                   | 0.81    | -                   | 0.8                                 | No                    | Go to Tier 2         | <0.00                | No                      | Go to Tier 3         |                      |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                                                   | Basis for Hardness | Hardness | units | CV  | MEC               | Criteria          |                     |                        |         |                     | Reasonable Potential Analysis (RPA) |                       |                      |                         |                       |                      |
|------|---------------------------------------------------|--------------------|----------|-------|-----|-------------------|-------------------|---------------------|------------------------|---------|---------------------|-------------------------------------|-----------------------|----------------------|-------------------------|-----------------------|----------------------|
|      |                                                   |                    |          |       |     |                   | Freshwater        |                     | Human Health           |         | Basin Plan          | MEC >= Lowest C                     | Tier 1 - Need limit?  | B (Observed Maximum) | B > C and detected at C | Tier 2 - need limit?  | Tier 3 - need limit? |
|      |                                                   |                    |          |       |     |                   | C acute = CMC tot | C chronic = CCC tot | Not applicable Chh W&O | C hh O  | Title 22 GWR/ Other |                                     |                       |                      |                         |                       |                      |
| 117  | Heptachlor                                        | N/A                |          | µg/L  | 0.6 | <0                | 0.52              | 0.0038              | 0.00021                | 0.00021 | -                   | 0.00021                             | ALL ND                | Go to Tier 2         | <0.00                   | ALL ND >C             | Go to Tier 3         |
| 118  | Heptachlor Epoxide                                | N/A                |          | µg/L  | 0.6 | <0                | 0.52              | 0.0038              | 0.0001                 | 0.00011 | -                   | 0.00011                             | ALL ND                | Go to Tier 2         | <0.00                   | ALL ND >C             |                      |
| 119  | Polychlorinated biphenyls (PCBs)<br>Arochlor 1016 | N/A                |          | ng/L  | 0.6 | <0                |                   | 0.014               | 0.00017                | 0.00017 | -                   | 0.00017                             | ALL ND                | Go to Tier 2         | <0.0                    | ALL ND >C             | Go to Tier 3         |
| 120  | Arochlor 1221                                     | N/A                |          | ng/L  | 0.6 | <0                |                   |                     | 0.00073                | 0.00075 | -                   | 0.00075                             | ALL ND                | Go to Tier 2         | <0.0                    | ALL ND >C             | Go to Tier 3         |
| 121  | Arochlor 1232                                     | N/A                |          | ng/L  | 0.6 | <0                |                   |                     |                        |         | -                   |                                     |                       | Go to Tier 2         | <0.1                    | No Criteria Available | Go to Tier 3         |
| 122  | Arochlor 1242                                     | N/A                |          | ng/L  | 0.6 | <0                |                   |                     |                        |         | -                   |                                     |                       | Go to Tier 2         | <0.0                    | No Criteria Available | Go to Tier 3         |
| 123  | Arochlor 1248                                     | N/A                |          | ng/L  | 0.6 | <0                |                   |                     |                        |         | -                   |                                     |                       | Go to Tier 2         | <0.0                    | No Criteria Available | Go to Tier 3         |
| 124  | Arochlor 1254                                     | N/A                |          | ng/L  | 0.6 | <0                |                   |                     |                        |         | -                   |                                     |                       | Go to Tier 2         | <0.02                   | No Criteria Available | Go to Tier 3         |
| 125  | Arochlor 1260                                     | N/A                |          | ng/L  | 0.6 | <0                |                   |                     |                        |         | -                   |                                     |                       | Go to Tier 2         | <0.03                   | No Criteria Available | Go to Tier 3         |
| 126  | Toxaphene                                         | N/A                |          | ng/L  | 0.6 | <0                | 0.73              | 0.0002              |                        |         | -                   | 0.0002                              | ALL ND                | Go to Tier 2         | 0                       | ALL ND >C             | Go to Tier 3         |
|      | Trihalomethanes                                   |                    |          |       |     |                   |                   |                     |                        |         |                     |                                     |                       |                      |                         |                       |                      |
|      | Barium                                            | N/A                |          | µg/L  | 1.4 | 72.6              |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | 0                       | No Criteria Available | Go to Tier 3         |
|      | Iron                                              | N/A                |          | µg/L  | 0.5 | #DIV/0!           |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | 0                       | No Criteria Available | Go to Tier 3         |
|      | Methoxychlor                                      | N/A                |          | µg/L  |     | No data available |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | No data available       | No Criteria Available | Go to Tier 3         |
|      | 2,4-D                                             | N/A                |          | µg/L  |     | No data available |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | No data available       | No Criteria Available | Go to Tier 3         |
|      | 2,4,5-TP (Silvex)                                 | N/A                |          | µg/L  |     | No data available |                   |                     |                        |         | -                   | No Criteria Available               | No Criteria Available | Go to Tier 2         | No data available       | No Criteria Available | Go to Tier 3         |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                      | Human Health Calc         |                         |         | Aquatic Life Calculations |           |                              |                |               | Aquatic Life Calculations |                 |                    |                 | Limits      |                |
|------|----------------------|---------------------------|-------------------------|---------|---------------------------|-----------|------------------------------|----------------|---------------|---------------------------|-----------------|--------------------|-----------------|-------------|----------------|
|      |                      | Organisms Only            |                         |         | Freshwater                |           |                              |                |               | Freshwater                |                 |                    |                 |             |                |
|      |                      | AMEL hh =<br>ECA = C hh O | MDEL/AMEL<br>multiplier | MDEL hh | ECA acute<br>multiplier   | LTA acute | ECA<br>chronic<br>multiplier | LTA<br>chronic | Lowest<br>LTA | AMEL<br>multiplier        | AMEL<br>aq.life | MDEL<br>multiplier | MDEL<br>aq.life | Lowest AMEL | Lowest<br>MDEL |
| 1    | Antimony             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 2    | Arsenic              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 3    | Beryllium            |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 4    | Cadmium (TMDL)       | Narrative                 | 2.07                    | NA      | 0.30                      | NA        | 0.508                        | 2.692          | 2.692         | 1.592                     | 4.285           | 3.291              | 8.859           | 4.28        | 8.86           |
| 5a   | Chromium III         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 5b   | Chromium VI          |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 6    | Copper (TMDL)        | NONE                      | 1.41                    | NA      | 0.58                      | NA        | 0.754                        | 19.614         | 19.614        | 1.218                     | 23.886          | 1.720              | 33.738          | 23.89       | 33.74          |
| 7    | Lead (TMDL)          | Narrative                 | 1.97                    | NA      | 0.33                      | NA        | 0.538                        | 6.451          | 6.451         | 1.533                     | 9.889           | 3.027              | 19.528          | 9.89        | 19.53          |
| 8    | Mercury              | 0.051                     | 3.31                    | 0.1689  | 0.09                      | NA        | 0.131                        | NA             | NA            | 3.455                     | NA              | 11.443             | NA              | 0.051       | 0.17           |
| 9    | Nickel               |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 10   | Selenium             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 11   | Silver               |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 12   | Thallium             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 13   | Zinc (TMDL)          | None                      | 1.24                    | NA      | 0.71                      | NA        | 0.842                        | 213.148        | 213.148       | 1.128                     | 240.420         | 1.399              | 298.218         | 240.42      | 298.22         |
| 14   | Cyanide              | 220000                    | 2.01                    | 441362  | 0.32                      | 7.064     | 0.527                        | 2.743          | 2.743         | 1.552                     | 4.258           | 3.114              | 8.542           | 4.3         | 8.5            |
| 15   | Asbestos             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 16   | 2,3,7,8-TCDD(Dioxin) |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 17   | Acrolein             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 18   | Acrylonitrile        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 19   | Benzene              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 20   | Bromoform            |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                           | Human Health Calc         |                         |         | Aquatic Life Calculations |           |                              |                |               | Aquatic Life Calculations |                 |                    |                 | Limits      |                |
|------|---------------------------|---------------------------|-------------------------|---------|---------------------------|-----------|------------------------------|----------------|---------------|---------------------------|-----------------|--------------------|-----------------|-------------|----------------|
|      |                           | Organisms Only            |                         |         | Freshwater                |           |                              |                |               | Freshwater                |                 |                    |                 |             |                |
|      |                           | AMEL hh =<br>ECA = C hh O | MDEL/AMEL<br>multiplier | MDEL hh | ECA acute<br>multiplier   | LTA acute | ECA<br>chronic<br>multiplier | LTA<br>chronic | Lowest<br>LTA | AMEL<br>multiplier        | AMEL<br>aq.life | MDEL<br>multiplier | MDEL<br>aq.life | Lowest AMEL | Lowest<br>MDEL |
| 21   | Carbon Tetrachloride      |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 22   | Chlorobenzene             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 23   | Dibromochloromethane      |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 24   | Chloroethane              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 25   | 2-Chloroethyl vinyl ether |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 26   | Chloroform                |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 27   | Dichlorobromomethane      |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 28   | 1,1-Dichloroethane        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 29   | 1,2-Dichloroethane        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 30   | 1,1-Dichloroethylene      |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 31   | 1,2-Dichloropropane       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 32   | 1,3-Dichloropropylene     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 33   | Ethylbenzene              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 34   | Methyl bromide            |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 35   | Methyl chloride           |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 36   | Methylene chloride        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 37   | 1,1,2,2-Tetrachloroethane |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 38   | Tetrachloroethylene       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 39   | Toluene                   |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                                                      | Human Health Calc         |                         |         | Aquatic Life Calculations |           |                              |                |               | Aquatic Life Calculations |                 |                    |                 | Limits      |                |
|------|------------------------------------------------------|---------------------------|-------------------------|---------|---------------------------|-----------|------------------------------|----------------|---------------|---------------------------|-----------------|--------------------|-----------------|-------------|----------------|
|      |                                                      | Organisms Only            |                         |         | Freshwater                |           |                              |                |               | Freshwater                |                 |                    |                 |             |                |
|      |                                                      | AMEL hh =<br>ECA = C hh O | MDEL/AMEL<br>multiplier | MDEL hh | ECA acute<br>multiplier   | LTA acute | ECA<br>chronic<br>multiplier | LTA<br>chronic | Lowest<br>LTA | AMEL<br>multiplier        | AMEL<br>aq.life | MDEL<br>multiplier | MDEL<br>aq.life | Lowest AMEL | Lowest<br>MDEL |
| 40   | Trans 1,2-Dichloroethylene                           |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 41   | 1,1,1-Trichloroethane                                |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 42   | 1,1,2-Trichloroethylene                              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 43   | Trichloroethylene                                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 44   | Vinyl chloride                                       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 45   | 2-Chlorophenol                                       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 46   | 2,4-Dichlorophenol                                   |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 47   | 2,4-Dimethylphenol                                   |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 48   | 4,6-Dinitro-o-resol (aka 2-methyl-4,6-Dinitrophenol) |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 49   | 2,4-Dinitrophenol                                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 50   | 2-Nitrophenol                                        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 51   | 4-Nitrophenol                                        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 52   | 3-Methyl-4-Chlorophenol (aka P-chloro-m-resol)       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 53   | Pentachlorophenol                                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 54   | Phenol                                               |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 55   | 2,4,6-trichlorophenol                                |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 56   | Acenaphthene                                         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 57   | Acenaphthylene                                       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 58   | Anthracene                                           |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                             | Human Health Calc         |                         |         | Aquatic Life Calculations |           |                              |                |               | Aquatic Life Calculations |                 |                    |                 | Limits      |                |
|------|-----------------------------|---------------------------|-------------------------|---------|---------------------------|-----------|------------------------------|----------------|---------------|---------------------------|-----------------|--------------------|-----------------|-------------|----------------|
|      |                             | Organisms Only            |                         |         | Freshwater                |           |                              |                |               | Freshwater                |                 |                    |                 |             |                |
|      |                             | AMEL hh =<br>ECA = C hh O | MDEL/AMEL<br>multiplier | MDEL hh | ECA acute<br>multiplier   | LTA acute | ECA<br>chronic<br>multiplier | LTA<br>chronic | Lowest<br>LTA | AMEL<br>multiplier        | AMEL<br>aq.life | MDEL<br>multiplier | MDEL<br>aq.life | Lowest AMEL | Lowest<br>MDEL |
| 59   | Benidine                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 60   | Benzo(a)Anthracene          |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 61   | Benzo(a)Pyrene              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 62   | Benzo(b)Fluroanthene        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 63   | Benzo(ghi)Perylene          |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 64   | Benzo(k)Fluoranthene        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 65   | Bis(2-Chloroethoxy)Methane  |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 66   | Bis(2-Chloroethyl)Ether     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 67   | Bis(2-Chloroisopropyl)Ether |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 68   | Bis(2-Ethylhexyl)Phthalate  | 5.9                       | 2.58                    | 15.2145 | 0.19                      | NA        | 0.356                        | NA             | NA            | 2.003                     | NA              | 5.165              | NA              | 4.0         | NO LIMIT       |
| 69   | 4-Bromophenyl Phenyl Ether  |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 70   | Butylbenzyl Phthalate       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 71   | 2-Chloronaphthalene         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 72   | 4-Chlorophenyl Phenyl Ether |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 73   | Chrysene                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 74   | Dibenzo(a,h)Anthracene      | 0.049                     | 2.01                    | 0.0983  | 0.32                      | NA        | 0.527                        | NA             | NA            | 1.552                     | NA              | 3.114              | NA              | 0.049       | 0.098          |
| 75   | 1,2-Dichlorobenzene         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 76   | 1,3-Dichlorobenzene         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                                                | Human Health Calc         |                         |         | Aquatic Life Calculations |           |                              |                |               | Aquatic Life Calculations |                 |                    |                 | Limits      |                |
|------|------------------------------------------------|---------------------------|-------------------------|---------|---------------------------|-----------|------------------------------|----------------|---------------|---------------------------|-----------------|--------------------|-----------------|-------------|----------------|
|      |                                                | Organisms Only            |                         |         | Freshwater                |           |                              |                |               | Freshwater                |                 |                    |                 |             |                |
|      |                                                | AMEL hh =<br>ECA = C hh O | MDEL/AMEL<br>multiplier | MDEL hh | ECA acute<br>multiplier   | LTA acute | ECA<br>chronic<br>multiplier | LTA<br>chronic | Lowest<br>LTA | AMEL<br>multiplier        | AMEL<br>aq.life | MDEL<br>multiplier | MDEL<br>aq.life | Lowest AMEL | Lowest<br>MDEL |
| 77   | 1,4-Dichlorobenzene<br>(aka p-Dichlorobenzene) |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 78   | 3,3'-Dichlorobenzidine                         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 79   | Diethyl Phthalate                              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 80   | Dimethyl Phthalate                             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 81   | Di-n-Butyl Phthalate                           |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 82   | 2,4-Dinitrotoluene                             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 83   | 2,6-Dinitrotoluene                             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 84   | Di-n-Octyl Phthalate                           |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 85   | 1,2-Diphenylhydrazine                          |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 86   | Fluoranthene                                   |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 87   | Fluorene                                       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 88   | Hexachlorobenzene                              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 89   | Hexachlorobutadiene                            |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 90   | Hexachlorocyclopentadiene                      |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 91   | Hexachloroethane                               |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 92   | Indeno(1,2,3-cd)Pyrene                         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 93   | Isophorone                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 94   | Napthalene                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 95   | Nitrobenzene                                   |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 96   | N-Nitrosodimethylamine                         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                           | Human Health Calc         |                         |         | Aquatic Life Calculations |           |                              |                |               | Aquatic Life Calculations |                 |                    |                 | Limits      |                |
|------|---------------------------|---------------------------|-------------------------|---------|---------------------------|-----------|------------------------------|----------------|---------------|---------------------------|-----------------|--------------------|-----------------|-------------|----------------|
|      |                           | Organisms Only            |                         |         | Freshwater                |           |                              |                |               | Freshwater                |                 |                    |                 |             |                |
|      |                           | AMEL hh =<br>ECA = C hh O | MDEL/AMEL<br>multiplier | MDEL hh | ECA acute<br>multiplier   | LTA acute | ECA<br>chronic<br>multiplier | LTA<br>chronic | Lowest<br>LTA | AMEL<br>multiplier        | AMEL<br>aq.life | MDEL<br>multiplier | MDEL<br>aq.life | Lowest AMEL | Lowest<br>MDEL |
| 97   | N-Nitrosodi-n-Propylamine |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 98   | N-Nitrosodiphenylamine    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 99   | Phenanthrene              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 100  | Pyrene                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 101  | 1,2,4-Trichlorobenzene    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 102  | Aldrin                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 103  | alpha-BHC                 |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 104  | beta-BHC                  |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 105  | gamma-BHC (Lindane)       |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 106  | delta-BHC                 |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 107  | Chlordane                 |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 108  | 4,4'-DDT                  |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 109  | 4,4'-DDE                  |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 110  | 4,4'-DDD                  |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 111  | Dieldrin                  |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 112  | alpha-Endosulfan          |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 113  | beta-Endosulfan           |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 114  | Endosulfan Sulfate        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 115  | Endrin                    |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 116  | Endrin Aldehyde           |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |

LOS ANGELES-GLENDALE WRP REASONABLE POTENTIAL ANALYSIS AND LIMIT DERIVATION USING SIP  
DATA FROM JULY 2007 - DECEMBER 2010

| CTR# |                                                   | Human Health Calc         |                         |         | Aquatic Life Calculations |           |                              |                |               | Aquatic Life Calculations |                 |                    |                 | Limits      |                |
|------|---------------------------------------------------|---------------------------|-------------------------|---------|---------------------------|-----------|------------------------------|----------------|---------------|---------------------------|-----------------|--------------------|-----------------|-------------|----------------|
|      |                                                   | Organisms Only            |                         |         | Freshwater                |           |                              |                |               | Freshwater                |                 |                    |                 |             |                |
|      |                                                   | AMEL hh =<br>ECA = C hh O | MDEL/AMEL<br>multiplier | MDEL hh | ECA acute<br>multiplier   | LTA acute | ECA<br>chronic<br>multiplier | LTA<br>chronic | Lowest<br>LTA | AMEL<br>multiplier        | AMEL<br>aq.life | MDEL<br>multiplier | MDEL<br>aq.life | Lowest AMEL | Lowest<br>MDEL |
| 117  | Heptachlor                                        |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 118  | Heptachlor Epoxide                                |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 119  | Polychlorinated biphenyls (PCBs)<br>Arochlor 1016 |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 120  | Arochlor 1221                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 121  | Arochlor 1232                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 122  | Arochlor 1242                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 123  | Arochlor 1248                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 124  | Arochlor 1254                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 125  | Arochlor 1260                                     |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
| 126  | Toxaphene                                         |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
|      | Trihalomethanes                                   |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
|      | Barium                                            |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
|      | Iron                                              |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
|      | Methoxychlor                                      |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
|      | 2,4-D                                             |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |
|      | 2,4,5-TP (Silvex)                                 |                           |                         |         |                           |           |                              |                |               |                           |                 |                    |                 |             |                |