

WQA Performance Data

| Substance   | Influent Challenge Concentration            | Maximum Permissible Product Water Concentration | Reduction Requirements | Minimum Reduction | Average Reduction |
|---|---|---|------------------------|-------------------|-------------------|
| <b>Standard 42 Aesthetic Effects</b>                  |   |   |                        |                   |                   |
| Chlorine  | 2.0 mg/L ± 10%                              |   | >50%                   | 96.8%             | 97.2%             |
| Chloromine  | 3.0 mg/L ± 10%                              | 0.5 mg/L  |                        | 90.0%             | 96.1%             |
| Particulates (0.5 to <1µm)-Class I                    | at least 10,000 Particulates /ml            |   | >85%                   | 96.4%             | 97.6%             |
| <b>Standard 53 Health Effects</b>                     |   |   |                        |                   |                   |
| Asbestos (fibers/L)                                   | 10 <sup>7</sup> to 10 <sup>8</sup> fibers/L | > 99%   |                        | >99%              | >99%              |
| Chlordanes  | 0.04 mg/L ± 10%                             | 2.0   |                        | 98%               | 98%               |
| Chloroform (VOC surrogate chemical)                   | 0.300 mg/L ± 10%                            | 0.015 mg/L                                      |                        | 99.4%             | 99.8%             |
| Lead (pH 6.5)   | 0.005mg/L ± 10%                             | 0.010 mg/L                                      |                        | 99.7%             | > 99.7%           |
| Lead (pH 8.5)   | 0.005mg/L ± 10%                             | 0.010 mg/L                                      |                        | 99.7%             | > 99.7%           |
| MTBE  | 0.015 mg/L ± 20%                            | 0.005 mg/L                                      |                        | 80.0%             | 93.8%             |
| Mercury (pH 6.5)                                      | 0.006 mg/L ± 10%                            | 0.002 mg/L                                      |                        | 96.5%             | > 96.5%           |
| Mercury (pH 8.5)                                      | 0.006 mg/L ± 10%                            | 0.002 mg/L                                      |                        | 93.4%             | 96.4%             |
| <b>POLYCHLORINATED BIPHENYLS (PCBs (Aroclor 1260)</b> |   |   |                        |                   |                   |
|   | + 0.01 mg/L ± 10%                           | 0.0005 mg/L                                     |                        | 98.1%             | 98.1%             |
| Toxaphene   | + 0.015 mg/L ± 10%                          | 0.003 mg/L                                      |                        | 93.0%             | > 93.1%           |
| <b>Standard 401</b>                                   |   |   |                        |                   |                   |
| Antenolol   | 200 ng/L ± 40%                              | 30 ng/L   |                        | 95.3%             | > 96.3%           |
| Bisphenol A   | 2,000 ng/L ± 40%                            | 300 ng/L  |                        | 99.0%             | > 99.0%           |
| Carbamazepine   | 1,400 ng/L ± 40%                            | 200 ng/L  |                        | 98.7%             | > 99.0%           |
| DEET  | 1,400 ng/L ± 40%                            | 200 ng/L  |                        | 98.6%             | > 98.9%           |
| Estrone   | 140 ng/L ± 40%                              | 20 ng/L   |                        | 95.9%             | > 95.9%           |
| Ibuprofen   | 400 ng/L ± 40%                              | 60 ng/L   |                        | 94.4%             | > 94.8%           |
| Linuron   | 140 ng/L ± 40%                              | 20 ng/L   |                        | 96.8%             | > 97.4%           |
| Meprobamate   | 400 ng/L ± 40%                              | 60 ng/L   |                        | 95.5%             | > 96.3%           |
| Metolachlor   | 1,400 ng/L ± 40%                            | 200 ng/L  |                        | 98.6%             | > 98.9%           |
| Naproxen  | 140 ng/L ± 40%                              | 20 ng/L   |                        | 95.5%             | > 96.1%           |
| Nonylphenol   | 1,400 ng/L ± 40%                            | 200 ng/L  |                        | 96.2%             | > 96.2%           |
| Phenytoin   | 200 ng/L ± 40%                              | 30 ng/L   |                        | 95.0%             | > 95.0%           |
| TCEP  | 5000 ng/L ± 40%                             | 700 ng/L  |                        | 97.9%             | > 98.0%           |
| TCPP  | 5000 ng/L ± 40%                             | 700 ng/L  |                        | 98.0%             | > 98.0%           |
| Trimethoprim  | 140 ng/L ± 40%                              | 20 ng/L   |                        | 96.7%             | > 97.4%           |